TABLE OF CONTENTS

Undergraduate 4
Academic Calendar 4
Academic Affairs 4
General Education Program 4
Intellectual and Practical Skills 6
Knowledge of Human Cultures and the Natural World 7
Integrative and Applied Learning 8
Honors Program 9
Undergraduate Degree Requirements 11
Major Programs 12
Minor Programs 12
Total Degree Credits 12
Associate in Applied Science Degree 12
Associate in Arts and Associate in Science Degrees 12
Academic Requirements, Policies, and Procedures 12
Absence and Attendance Policy 13
Academic Fresh Start 13
Academic Grievance/Appeal Procedure 14
Academic Honors 14
Academic Integrity Policy 15
Access to Student Records and FERPA 16
Administrative Withdrawal 17
Advanced standing for transfer credit 17
Cancellation of Course and Staffing 17
Change of Enrollment Status 18
Change of Major 18
Class Status 18
Co-Major 18
Concurrent Study in Two Degree Programs 18
Course Residency Requirement 18
Course Substitution 18
Course Waivers 18
Courses at Other Institutions 18
Credit Hour Policy 19
Credit Load and Overload Policy 19
Cumulative Grade Point Average 20
Dean's List 20
Declaration of Major Program of Study 20
Degree Requirements 21
Distance Education Complaint Procedures 21
Dropping or Adding a Class 21
Electives and Minor Programs 21
Financial Aid-Satisfactory Academic Progress Policy 21
Grade Recomputation 22
Grading System 23
Graduate Courses Open to Undergraduate Seniors 24
Graduation and Certification Applications 24
Graduation with Honors 25
Guidelines and Procedures for Requiring Face-to-Face Final Examinations for Online Courses 25
Independent Study 25
Major Requirements 25
Mid-Semester Progress Report 25
Minimum Grade Point Average in Major 25
Non-Classified Study 26
Pass/Fail Options 26
Prior Learning Credits 26
Reasonable Accommodation Grievance Procedure for Students with Disabilities 29
Repeated Courses 29
Second Baccalaureate Degree 29
Second Major After Graduation 29
Summer Study 29
Time Limits on Credits and Degree Completion 29
Transcripts 30
Undergraduate Academic Standing 30
Undergraduate Second Degree Policy 31
Visiting Students 31
Withdrawing from a Class 32
William J. Maxwell College of Arts and Sciences 32
Gender, Africana, and Latin American Studies 33
African and African-American Studies, Minor 38
Latin American, Caribbean and Latino Studies, Minor 38
Sexuality and Queer Studies, Minor 39
Women's and Gender Studies, B.A. 40
Women's and Gender Studies, Minor 41
Art 42
Art—B.A. Art Therapy 50
Art—B.A. Fine Arts and Crafts 52
Art—B.A. Graphic Arts and Design 53
Art—B.F.A., Concentration in Ceramics 55
Art—B.F.A., Concentration in Drawing/Painting 56

Art—B.F.A., Concentration in Graphic Design 58
Art—B.F.A., Concentration in Illustration 59
Art—B.F.A., Concentration in Photography 61
Art—B.F.A., Concentration in Printmaking 62
Art—New Jersey Art Teacher Certification Program (P–12) 64
Biology 66
Biology, B.A. 71
Biology, B.S. 72
Biology, B.S-Molecular and Cellular Biology 74
Biology, B.S-Environmental and Organismal Biology 75
Biology, B.S./ Doctor of Podiatric Medicine Dual Degree with New York College of Podiatric Medicine (NYCPM) 77
Biology - Medical Imaging Science—Cardiovascular Sonography and Diagnostic Medical Sonography Specialization, Joint-Degree Program, B.S. 78
Biology - Medical Laboratory Science, Joint-Degree Programs, B.S. 80
Biology, Minor 81
Chemistry and Biochemistry 82
Biochemistry, B.S. 85
Chemistry, B.A. 86
Chemistry, B.S. 88
Chemistry, Minor 89
Computer Science 89
Computer and Information Systems, Minor 93
Computer Science, B.S. 94
Computer Science, Minor 95
English 95
English—Creative Writing, B.A. 103
English—Creative Writing, Minor 104
English—Literature, B.A. 105
English—Literature, Minor 107
English—Teacher Certification Elementary Education (K-6), B.A. 108
English—Teacher Certification Secondary Education (K-12), B.A. 109
History, Philosophy, and Religion 110
History, B.A. 117
History, Minor 118
History—Social Studies (Teacher Certification), B.A. 119
Philosophy, B.A. 120
Philosophy and Religion, Minor 122
Mathematics 122
Mathematics, B.A. 126
Mathematics, Minor 127
Mathematics—Teacher Certification, B.A. 128
Media Arts 129
Media Arts, B.A. 133
Media Arts, Minor 135
Music, Dance, and Theatre 135
Music, B.A. 151
Music, Minor 152
Music—Music Business, B.A. 153
Music—Musical Theatre, B.A. 154
Performance—Classical—Instrumental (other than piano), B.M. 156
Performance—Classical—Instrumental (piano), B.M 158
Performance—Classical—Voice, B.M. 160
Performance—Jazz Studies, B.M. 161
Political Science 163
Global Studies, Minor 166
Political Science, B.A. 167
Political Science, Minor 168
Pre-Law Studies 168
Pre-Law, Minor 169
Psychology 169
Psychology, B.A. 172
Psychology, Minor 173
Sociology, Anthropology, and Social Work 174
Social Work, B.S.W. 179
Sociology, B.A. 182
Sociology, Minor 183
World Languages and Cultures 184
Spanish, B.A. 188
Spanish, Minor 190
Spanish—Teacher Certification, B.A. 190
Deborah Cannon Partridge Wolfe College of Education 191
Multicultural Leadership 192
Teaching, Learning, and Literacy 193
Secondary Education with K-12 Certification (with major in Arts and Sciences) 200
Bachelor Of Arts In Elementary Education (K-6) with Literacy Focus 202
Special Education 204

Certificate in Behavior Management and Introductory Applied Behavior Analysis 206
College of Professional Studies 206
Criminal Justice 207
Criminal Justice, B.S. 210
Criminal Justice, Minor 211
Fire Science 212
Fire Science, B.S. 213
Fire Science, Minor 214
Professional Security Studies 214
Cybersecurity, B.S. 218
Forensic Studies, Minor 220
Military Science, Minor 220
National Security Studies, B.S. 220
National Security Studies, Minor 222
Nursing 222
Nursing—Accelerated Program (Second Degree), B.S.N. 224
Nursing RN to BSN Program 226
Population Health and Exercise Science 227
Certification of Driver Education 232
Health Sciences—Public Health Education, B.S. 233
Public Health, Minor 234
Exercise Science, B.S. 234
Fitness, Exercise and Sports, Minor 236
School of Business 236
Accounting 237
Accounting, B.S. 240
Accounting—Bridge Program to the M.S. in Accounting, B.S. 242
Finance 243
Business Analytics and Data Science, B.S. 249
Business Analytics and Data Science, Minor 251
Business Information Systems, B.S. 251
Finance, B.S. 252
Finance, Minor 254
Professional Financial Planning, Minor 255
Management 255
Business, Minor 260
Global Business, B.S. 260
Management, B.S. 261
Sports Management, B.S. 263
Supply Chain, Logistics and Maritime Port Management, B.S. 264
Marketing 266
Marketing, B.S. 267
Digital Marketing, Minor .....
Adult and Continuing Education 268
Affirmative Action Statement 269
Equal Opportunity/Non-discrimination Statement 269
Notice of Non-discrimination and Title IX 269
VA Pending Payment Compliance Statement 269
Index 271

UNDERGRADUATE

About the Catalog

The Undergraduate Catalog of New Jersey City University is published on an annual basis and presents announcements regarding general information, academic regulations, and/or academic programs extant at the date of publication. The University reserves the right to change any of its announcements, regulations, or requirements at any time without notice or obligation. The procedures, policies, and/or fees are subject to change. Further, this information does not constitute a contract, and the University reserves the right for any reason to cancel or modify any course or program listed herein, or to make changes in any of the material contained herein at any time. Individual course offerings and programs may vary from year to year as circumstances dictate.

For the most current information about course offerings, academic programs, policies, and regulations, students are directed to the University website at http://www.njcu.edu.

The Office of the Provost and Senior Vice President is responsible for the preparation of the content of this publication. Send any inquiries regarding catalog content to catalog@njcu.edu.

Failure to read the undergraduate catalog does not excuse a student from the requirements and regulations as described herein.

Academic Calendar

2025-2026 University Calendar (https://www.njcu.edu/directories/offices-centers/registrar/academic-calendars/undergraduate-academic-calendar)

Academic Affairs

Hepburn Hall, Room 309
201-200-3003
https://www.njcu.edu/directories/offices-centers/office-provost

Dr. Donna Adair Breault (dbreault@njcu.edu), Interim Provost and Senior Vice President

Jason D. Martinek (https://catalog.njcu.edu/undergraduate/academic-affairs/jmartinek@njcu.edu), Ph. D, Assistant Provost for Faculty and Staff Development

Scott O'Connor (https://catalog.njcu.edu/undergraduate/academic-affairs/soconnor@njcu.edu), Ph. D, Assistant Provost for Academic Programming

Jonell Knox (https://catalog.njcu.edu/undergraduate/academic-affairs/jknox1@njcu.edu), Ed. D, Assistant Provost for Student Success and Retention

Amanda McGee (https://catalog.njcu.edu/undergraduate/academic-affairs/amcgee@njcu.edu), Confidential Assistant to the Provost and Senior Vice President

Geordana Vasquez (https://catalog.njcu.edu/undergraduate/academic-affairs/gvasquez@njcu.edu), Program Assistant

The Office of the Provost houses the Provost and Senior Vice President, who is the chief divisional administrator of the University's academic programs, policies, procedures and departments. The vision of the Division of Academic Affairs is to lead New Jersey City University in becoming a nationally recognized leader in public urban higher education.

The Division of Academic Affairs is committed to creating and sustaining a higher education environment for New Jersey City University's students and faculty that is grounded in a culture of evidence and that values excellent teaching, scholarly achievement, creative activity, service, and lifelong learning. The Division supports the mission of the University by providing high quality academic degree and certificate programs with urban and global perspectives.

The Division of Academic Affairs, as the academic and intellectual core of New Jersey City University, is committed to providing a richly diverse student population with a high quality education in an urban setting. The Division strives to uphold the value of a liberal arts education for its students by maintaining a highly qualified and diverse faculty, offering dynamic and challenging academic programs, and providing an integrated academic support system to promote student retention and achievement.

The Office supports the faculty and professional staff assigned to all academic departments within the William J. Maxwell College of Arts and Sciences, the Deborah Cannon Partridge Wolfe College of Education, the College of Professional Studies, and the School of Business, the Professional Development and Lifelong Learning Office, the Congressman Frank J. Guarini Library, the Office of Global Initiatives, the Department of Online Learning, the Office of Research and Sponsored Programs, the Honors Program, General Education, and all academic support departments:

- Academic Career Planning and Placement
- Center for Latin American, Caribbean, and Latinx Studies
- Lee Hagan Africana Studies Center
- Registrar's Office and Transfer Resource Center
- Orientation to College Program
- Pre-College Programs
- University Advisement Center
- Youth Corps/AmeriCorps

Additional information can be obtained by visiting the office, located in Hepburn Hall, Room 309, or by calling 201-200-3003 between 9:00 a.m. and 5:00 p.m.

General Education Program

```
Dr. Zui (Rick) Chih Lee, Director
gened@njcu.edu
 (gened@njcu.edu?subject=Gen%20Ed)
```

Vision and Mission of the General Education Program

The General Education Program creates life-long learners prepared for success in their personal and civic lives. While a major prepares students for their chosen career path, the General Education Program equips students with the skills and knowledge that make them more adaptable in a fast-evolving job market.

The program is divided amongst three areas:

The first, **Intellectual and Practical Skills**, equips students with broad, transferable skills that are crucial not only to their academic success but also to their future careers and civic lives. These skills include critical thinking, enabling students to construct well-reasoned arguments and solve problems creatively; written and oral communication, fostering the clear and effective expression of ideas; quantitative literacy, promoting the interpretation and application of numerical information in various contexts; and information literacy, teaching students to locate, evaluate, and ethically use information.

The second, **Knowledge of Human Cultures and the Natural World**, teaches students the intricacies of human behavior, social structures, and the principles governing natural phenomena. Through the study of histories, values, languages, and ideas of various cultures, students gain a deeper understanding of the human experience, fostering empathy and global awareness. Complementary to this, understanding the physical and natural world involves scientific inquiry, fostering an understanding of the principles and concepts governing our environment and universe. The amalgamation of these studies equips students to make informed and ethical decisions, preparing them to address the complex, interconnected challenges of the 21st century effectively.

The third, **Integrated and Applied Learning**, teaches students how to apply the knowledge they have acquired through diverse areas of study, both within and beyond academia. This outcome encourages students to synthesize their learnings from general and specialized studies, applying this integrated knowledge to complex, real-world problems. Particularly relevant is the application of knowledge acquired through civic engagement-oriented courses, encouraging students to actively apply their academic learnings to civic issues. This outcome thus fosters adaptable learners, equipped to address the complexities of the professional world and contribute effectively to civic life.

General Education Requirements

The following are required for new students entering the university from fall 2024 onwards. Students who entered before fall 2024 may elect to migrate to this new program. If they do not migrate, they follow the requirements in place during their term of entry. Transfer students who have been awarded an A.A., A.S., B.A., or B.S. from a regionally accredited institution are waived from the entire General Education program. Transfer students who haven't earned one of these degrees but have earned 60 or more transfer credits are waived from the Civic Engagement and Capstone requirements. Unless migrated over, students who entered NJCU before fall 2024 follow a different set of requirements and should consult the catalog of their entry year.

Requirement	Credits
Intellectual and Practical Skills	
• Written Communication[1]	6-9
• Quantitative Knowledge[2]	3-4
• Oral Communication	3
• Information & Technological Literacy	3
Knowledge of Human Cultures and the Natural World	
• Scientific Knowledge	3
• Society and Human Behavior	3
• Humanistic Perspectives	3
• Historical Perspectives	3
• Global and Cultural Awareness	3
Integrative and Applied Learning (Waived for transfers with 60 or more prior earned credits)	
• Capstone Seminar	3
• Civic Engagement	3
Total	**36-40**

1 Students take ENGL 100 in their first semester at NJCU. Their performance in this course determines whether they move directly to ENGL 102 or must first successfully complete ENGL 101. Students who transfer ENGL 101 or ENGL 102 are not required to successfully complete ENGL 100.

2 The Math requirement is determined by the student's major.
- Science, Technology, Engineering, and Math (STEM) Majors: MATH 175
- Business Majors: MATH 164
- Social Science Majors: MATH 140
- Humanities Majors: MATH 114

Higher level Math courses may substitute for lower level Math courses, e.g., a Humanities major may also take Math 175, 164, and 140 to satisfy their Math General Education requirement. However, lower level Math courses do not substitute for higher level courses, e.g., a Business student may not take Math 114 or Math 140 to satisfy their Math requirement. Other substitutions might be appropriate, in particular, Math 112 may substitute for Math 114 and Math 140. Students must consult with an academic advisor or the Math department for information on these substitutes as well as prerequisites for required Math courses.

Intellectual and Practical Skills

Knowledge of Human Cultures and the Natural World

Integrative and Applied Learning

Enhancing Access and Transferability

Recognizing the challenges transfer students often face with dropped credis, NJCU restructured its GenEd curriculum to ensure a seamless transition. Notably:

- Alignment with Community Colleges: Courses certified by the New Jersey Council of County Colleges (NJCCC) to satisfy general education requirements at community colleges fulfill NJCU's GenEd requirements, even if there isn't a direct course equivalent at NJCU.
- Waivers for Transfer Students: Transfer students with an Associate of Arts (A.A.), Associate of Science (A.S.), Bachelor of Arts (B.A.), or Bachelor of Science (B.S.) degree from a regionally accredited institution are exempt from NJCU's entire GenEd program (per NJ's

Transfer Law). Those who earn an Associate of Applied Science (A.A.S.), or Associate of Fine Arts (A.F.A.), or have transferred in over 60 credits are waived from the Civic Engagement and Capstone requirements.

Celebrating Our Commitment to Transfer Students

NJCU is proud to be the only four-year institution in New Jersey to have implemented comprehensive transfer-friendly policies. This initiative underscores our commitment to:

- Student Success: By reducing barriers, we empower students to focus on their academic and professional goals.
- Timely Graduation: Streamlined credit transfers facilitate on-time degree completion.
- Affordability: Recognizing more transfer credits can lower educational costs for students.

Intellectual and Practical Skills

Below is a non-exhaustive list of General Education courses approved for this requirement. A full list and semester offerings can be found via course registration tools.

Written Communication

Code	Title	Credits
ENGL 100	Critical Reading and Writing	3
ENGL 101	Critical Writing and Analysis	3
ENGL 102	Critical Writing and Research	3

Quantitative Knowledge (Course is determined by meta-major)

Code	Title	Credits
MATH 114	Contemporary Mathematics	3
MATH 140	Statistics I	3
MATH 164	Pre-Calculus for Business Students	4
MATH 175	Enhanced Precalculus	4

Information and Technological Literacy: Take One Course

Code	Title	Credits
ART 150	Empower Tools: Art as a Catalyst for Social Change	3
ART 242	Self: Image	3
ART 286	Plotting Global Climate Change: Information Graphics for Sciences	3
BIOL 140	Scientific Inquiry	3
BIOL 240	Scientific Reasoning	3
CHEM 130	The Chemistry of Everyday Things	3
CS 101	Computer Science I	3
CS 107	Computers & Information Systems	3
CS 115	Microcomputer & Programming I	3
CS 117	Introduction to Computer Programming and Computing	3
CS 120	Computers and Information Technology	3
CS 125	Game Programming	3
CS 206	Concepts of Operating Systems	3
CS 252	Programming for All in Python and Computer Science Principles	3
ECON 210	Personal Finance Practices	3
EDU 105	Education and LGBTQ Issues	3
ENGL 150	From Game Playing to Creative Writing: Literary Games and Formal Experiments in Creative Writing	3
ENGL 255	Cut, Copy, Paste: Creative Approaches to Writing and Design	3
FINC 105	Introduction to Data Literacy	3
FINC 221	Foundations of Business Information Systems	3
FINC 250	Financial Literacy: Strategies for Financial Success	3
HIST 231	The US in the World	3
LATI 122	Archaeology of Mesoamerican Cultures	3
MEDI 250	The Future of Media	3
MEDI 260	Fantastic in Film and Television	3
PHIL 102	Critical Thinking	3
PHIL 109	Bioethics	3

Oral Communication

Code	Title	Credits
ART 114	The Passion for Painting: An Enduring and Meaningful Art Form	3
ART 125	Making & Interpreting Clay Objects: Examining the Development of Ceramics and its Role in Society	3
ART 145	Websites for Everyone: Implementing Word Press (CMS) Sites for Business and Self-Promotion	3
ART 170	Time Travel: Introduction to Time-Based Art	3
ART 225	Illustration, War & Identity	3
ART 226	Representation & Illusion in Art	3
ART 241	Self: I as Body	3
ART 258	Rome: 1600: Birthplace of the Baroque	3
ART 271	Body Adornment: Design, Culture and History	3
ECON 103	Current Economic Issues	3
ECON 110	History of Economic Thought	3
ECON 115	Money and Markets	3
ENGL 147	Effective Speaking	3
FES 241	Self: I as Body	3
HIST 245	Cities in History	3
LANG 255	Violence and Resistance in Latin America	3
LANG 275	Islam Today	3
LTED 205	Contemporary Literacies: Issues in American Society	3
MCC 218	Diversity: Civil Debate in Contentious Times	3

MDT 165	Masters and Innovators in US: Billings to Tupac and Beyond	3
MDT 180	The Contributions of Women Composers to the Art of Musical Composition	3
MDT 250	Sing with Swing: An Introduction to Vocal Jazz	3
PHIL 140	The Examined Life	3
POLI 130	Debating Current Controversies	3
SOCI 109	The Changing Family	3
WGST 101	Telling Women's Lives	3
WGST 130	Rebel Girls	3

Knowledge of Human Cultures and the Natural World

Below is a non-exhaustive list of General Education courses approved for this area.

Global and Cultural Awareness

Code	Title	Credits
AFRO 215	American Civil Rights Movement	3
ART 131	World Art II	3
ENGL 130	Reading the Environment	3
HIST 131	Metropolitan New York	3
HLTH 207	Human Sexuality	3
LANG 308	Voices And Texts Of Latin America	3
LATI 114	Studying Latin America	3
LATI 201	Peoples and Cultures of the Caribbean	3
LATI 202	Ethnicity, Racialism, and Culture in Mexico and Central America	3
LTED 160	Languages of Power and Social Justice	3
MEDI 327	Cinema and Media Studies: Women in Film	3
MGMT 241	Global Business	3
PHIL 232	African(a) Philosophy	3
PHIL 324	Judaism, Christianity, and Islam	3
POLI 105	History of Political Thought	3
POLI 120	Global Challenges	3
POLI 215	Women and Law	3
PSYC 490	Cross-Cultural Psychology	3
SOCI 230	Cities of Industry: Sociological Perspectives	3
WGST 109	Gender, Sexuality and Culture	3
WGST 110	Diversity and Difference: Identities, Communities, and Cultures	3
WGST 190	Introduction to Sexuality and Queer Studies	3

Historical Perspectives

Code	Title	Credits
AFRO 125	African American History: From Africa to Emancipation	3
AFRO 140	African American History: From Emancipation to the Present	3
AFRO 164	Introduction to African Civilizations	3
AFRO 285	Modern Africa	3
HIST 150	American History to 1865	3
HIST 152	American History since 1865	3
HIST 154	U.S. Women's History	3
HIST 162	Introduction to Latin American Civilization	3
HIST 168	Middle East, Past and Present	3
HIST 205	Ancient Civilizations	3
HIST 216	World War II: Europe	3
HIST 233	World History: 1400 CE to Present	3
HIST 255	The Emergence of Modern Europe	3
HIST 350	Making of the Middle Ages	3
LANG 145	9/11 Before and After	3

Humanistic Perspectives

Code	Title	Credits
AFRO 101	The African Diaspora	3
ART 106	Contemporary Art	3
ART 120	History of Photography	3
ART 263	Acts of resistance: Activists, Interlopers and Pranksters	3
ENGL 204	Modern American Literature	3
ENGL 205	Queer Literature	3
ENGL 207	Modern British Literature	3
ENGL 208	The Novel and Film	3
ENGL 209	Children's & Young Adult Literature	3
ENGL 214	Science Fiction	3
ENGL 218	The Short Story	3
ENGL 220	African American Literature	3
ENGL 226	Women in Literature	3
ENGL 228	Modern Dramatic Literature	3
ENGL 235	Reading Hip Hop	3
ENGL 316	Topics in British Literature	3
ENGL 321	Topics in World Literature	3
ENGL 386	Memoir Workshop	3
LANG 103	Elementary Spanish I	3
LANG 104	Elementary Spanish II	3
LANG 105	Elementary French I	3
LANG 107	Elementary Italian I	3
LANG 215	Spanish for Bilingual Speakers I	3
LANG 304	The Art Of Writing In Spanish	3
MDT 106	Jazz History	3
MDT 155	African Music in the Americas: Brazil and the United States	3
MDT 166	Exploring Western Music	3
MDT 167	World Music	3
MDT 209	Music Now: Understanding Contemporary Music	3
MDT 210	History of Popular Music in America	3

MDT 211	Music and Society in the Caribbean Region	3
MDT 329	Music History before 1750	3
MDT 330	Music History after 1750	3
MDT 506	Music in America	3
MEDI 102	Development of Film I	3
MEDI 120	Understanding Movies: The Art of Film	3
MEDI 130	The History of Media	3
PHIL 110	Mythology	3
PHIL 125	Ethics in Everyday Life	3
PHIL 135	World Religions	3
PHIL 203	Philosophy of Religion	3
PHIL 207	Ethics	3
PHIL 217	Eastern Philosophy and Religion	3
PHIL 236	Philosophy of Mind	3
PHIL 244	Political and Social Philosophy	3
PHIL 260	Philosophy of Education	3
PHIL 317	Philosophy and Literature	3

Scientific Knowledge

Code	Title	Credits
BIOL 100	General Biology	3
BIOL 106	Practical Nutrition	3
BIOL 130	Principles Biology I	4
BIOL 131	Principles Biology II	4
BIOL 203	Biology of the Environment	4
BIOL 224	The Human Body	3
BIOL 225	Human Sexual Biology	3
BIOL 230	Cell Biology	4
BIOL 232	Invertebrate Zoology	4
BIOL 233	Principles of Botany	4
BIOL 236	Anatomy & Physiology I	4
BIOL 237	Anatomy & Physiology II	4
BIOL 252	Evolution: A Biological and Geological Approach	3
BIOL 303	Microbiology	4
BIOL 304	Genetics	4
BIOL 305	Histology	4
BIOL 402	Ecology	4
CHEM 100	Preparation for General Chemistry	3
CHEM 105	General Chemistry I Lecture	3
CHEM 106	General Chemistry II Lecture	3
CHEM 131	Chemistry in the Kitchen: Learning Chemistry through Food and Cooking	3
CHEM 140	Making the Case: Forensic Science	3
CHEM 205	Analytical Chemistry Lec	3
CHEM 207	Organic Chemistry I	3
CHEM 208	Organic Chemistry II	3
CHEM 220	Environmental Chemistry	4
CHEM 230	Chemistry Through Society: Better Living Through Chemistry	3
CHEM 307	Biochemistry I	4
MATH 225	Mathematics makes a Case: Global Climate Change	3
PHYS 101	Basic Concepts of Physics	3
PHYS 140	Principles of Physics I - Lecture	3
PHYS 141	Principles of Physics II - Lecture	3

Society and Human Behavior

Code	Title	Credits
ECE 212	Human Development: Prenatal through Adolescence	3
ECON 101	Introduction to Economics	3
ECON 207	Principles of Economics:Macro	3
ECON 208	Principles of Economics:Micro	3
LATI 209	Sex and Gender in Latin America	3
LATI 212	Drugs: History, Production, and Trade in Latin America	3
LATI 215	Migration and Transnationalism in Latin America	3
LATI 220	Issues in Latin America	3
LATI 250	Portugal Brazil North America: Stories of Migration	3
PHIL 235	Perspectives on Death	3
POLI 102	United States Politics	3
POLI 109	Comparative Politics	3
POLI 202	State and Local Government	3
POLI 324	International Relations in the Middle East	3
PSYC 110	Introduction to Psychology	3
PSYC 150	Developmental: Birth Through Adolescence	3
PSYC 152	Development Adolescence to Adulthood	3
PSYC 160	Social Psychology	3
PSYC 345	Personality Theory	3
SOCI 111	Principles of Sociology	3
SOCI 113	Social Problems	3
SOCI 115	Introduction to Anthropology	3
SOCI 121	Sociology of Families	3
SOCI 141	Cultural Anthropology	3
SOCI 225	Class, Status and Power	3
SOCI 245	Sociology of Religion	3
SOCI 265	Racial & Cultural Minorities	3

Integrative and Applied Learning

Capstone/Integrative Seminar

Code	Title	Credits
EDU 305	Power, Politics, and Schooling: National and Global Contestations	3
EESC 325	GIS for the Urban Community	3
ENGL 319	The Triangle Shirtwaist Factory Fire	3
ENGL 344	Creative Writing in a Digital Age: Remediation, Sampling, Journaling, and Mixed Media Appropriation	3

HIST 347	Making History	3
LATI 350	Latinos and Language in the U.S.	3
LTED 380	Going Public: Literacy and the History of American Education	3
MCC 350	Immigrants and Immigration: Dialog and Debate for Our Diverse Future	3
MDT 374	P. T. Barnum: The Greatest Showman	3
PHIL 313	Time: Interdisciplinary Perspectives	3
PHIL 390	Pandemic Ethics	3
PHIL 397	Animals and Philosophy	3
SOCI 309	Riots, Rebellions, Revolutions: Civil Conflict and Violence	3
WGST 310	Girls, Girl Culture, and Girlhood Studies	3
WGST 370	Transgender, Gender Variant, and Gender Queer History, Identities, and Politics	3

Civic Engagement (NB: Courses labelled Civic Engagement & Intercultural Knowledge in the course search feature do not always satisfy this requirement. Focus on those just labelled Civic Engagement)

Code	Title	Credits
ENGL 125	Stories of the University	3
ENGL 133	Dark Stories for Young Adults	3
MGMT 110	Life is Good Business: Understanding how Business Impacts Everyday Life	3
MGMT 221	MYOB: Mind Your Own Business	3
MKTG 332	Integrated Marketing Communication	3
MKTG 360	Writing for Marketing and Public Relations	3
PHIL 245	The Philosophy of Social Justice in the United States	3
PHIL 260	Philosophy of Education	3
POLI 230	Business & Politics by the Numbers	3
POLI 320	Current Political Campaigns in the US	3
SOCI 221	Human Services in Aging	3
SOCI 230	Cities of Industry: Sociological Perspectives	3
SOCI 232	Sociology of the Aging	3
SOCI 237	Refugees and Forced Migration	3
SOCI 268	Urban Anthropology	3
WGST 220	Women and Leadership: Work and Community	3
WGST 225	Women, Hip Hop Spoken Word and Social Change	3
WGST 226	LGBTQ Social Change	3

Honors Program

Dr. Reed Carroll, Director
rcarroll@njcu.edu (raccoll@njcu.edu)

The Honors Program (**www.njcu.edu/honors (http://www.njcu.edu/honors)**) at New Jersey City University provides exciting opportunities for exceptional students who are talented, motivated, and intellectually curious. It is a complete substitution for NJCU's General Education Program and is designed for students who have a passion for learning and provides the training and experience needed for fulfilling, 21st-century careers.

The Honors Program at New Jersey City University provides exciting opportunities for exceptional students who are talented, motivated, and intellectually curious. It is designed for students who have a passion for learning and provides the training and experience needed for fulfilling, 21st-century careers.

Students in our program receive a generous scholarship, dedicated advising, unique faculty and peer mentorship, access to the Honors lounges, priority registration, and a University-supported transformative co-curricular experience, among other benefits. Throughout their time at NJCU, Honors Program students take specialized courses with their cohort and in learning communities, with a focus on student-directed projects and experiential learning.

Code	Title	Credits
Freshman Year: Required		**14**
INTD 101	Orientation to College	1
HON 105	Local Lives, Global Issues: Topics in Social Sciences	3
HON 107	Honors Professional Development 2	1
HON 111	Critical Reading, Writing, and Speaking	3
HON 112	Excursions in Quantitative Literacy	3
HON 175	Research and Presentation	3
Sophomore Year: Required		**6**
HON 201	Scientific Inquiry	3
HON 202	Safety, Security, & Social Justice	3
Sophomore Electives: Pick One		
HON 210	Historic Preservation in the Global City	3
HON 213	Dramatic Literature	3
Junor and Senior Required Courses		**7**
HON 204	Life and Nature	4
HON 460	Sex, Gender and Globalization	3
or BUSI 555	HONORS SEMINAR	
Junior and Senior Electives: Take One Course		**3**
HON 340	Upper-Level Seminar I-The Arts: Looking, Thinking, Talking, Doing	3
HON 360	Upper Level Seminar: Classic Philosophical Problems	3

The NJCU Honors Program proudly accepts and celebrates transfers students. The requirements vary slightly by the number of completed credits transferred in.

Students who transfer in up 24 credits

Code	Title	Credits
Required Courses		
HON 175	Research and Presentation	3
HON 201	Scientific Inquiry	3
HON 202	Safety, Security, & Social Justice	3
200 Electives: Take One		
HON 203	Earth and Nature	3
HON 204	Life and Nature	4
HON 210	Historic Preservation in the Global City	3
HON 213	Dramatic Literature	3

HON 220	Global Political Economy	3
300 Electives: Take Two		
HON 320	Modern U.S. Perspectives	3
HON 340	Upper-Level Seminar I-The Arts: Looking, Thinking, Talking, Doing	3
HON 360	Upper Level Seminar: Classic Philosophical Problems	3
Capstone: Take One		**3**
BUSI 555	HONORS SEMINAR (Required for Business Students)	3
HON 440	Political Economy	3
HON 460	Sex, Gender and Globalization	3

Students who transfer in more than 24 credits

Code	Title	Credits
Required Courses		
HON 201	Scientific Inquiry	3
HON 202	Safety, Security, & Social Justice	3
200 Electives: Take One		
HON 203	Earth and Nature	3
HON 204	Life and Nature	4
HON 210	Historic Preservation in the Global City	3
HON 213	Dramatic Literature	3
HON 220	Global Political Economy	3
300 Electives: Take Two		
HON 320	Modern U.S. Perspectives	3
HON 340	Upper-Level Seminar I-The Arts: Looking, Thinking, Talking, Doing	3
HON 360	Upper Level Seminar: Classic Philosophical Problems	3
Capstone: Take One		
BUSI 555	HONORS SEMINAR (Required for Business Students)	3
HON 440	Political Economy	3
HON 460	Sex, Gender and Globalization	3

By the end of the NJCU Honors Program's Core Curriculum, an Honors student will have become:

1. An intellectually agile critical thinker and problem-solver who can demonstrate and apply knowledge across disciplines.
2. An intellectually agile critical thinker and problem-solver who can demonstrate and apply knowledge across disciplines.
3. A skilled communicator who can clearly discuss what they mean in written communication.
4. A skilled public speaker who can create and construct compelling presentations and spoken arguments.
5. A savvy and technologically literate creator and user of information and technology, who can apply and interpret data.
6. A quantitatively literate graduate who can assess data, utilize mathematical language and applications, and apply math concepts to real world problems.
7. A responsible leader who shows participation in civic engagement and service learning projects, on and off campus.
8. A globally engaged citizen who can synthesize her or his knowledge of global cultures, politics, and society with that of the United States.

HON 1XX Honors Transfer Credits (0 Credits)

HON 2XX Honors Transfer Credits (0 Credits)

HON 101 Recycling and Recirculating in Different Media (3 Credits)
In this interdisciplinary creative process course, students explore concepts and practices of adaptation, quotation, copying, and recirculation over time. Using digital media, video, music sampling, motifs, literature, storytelling, visual art, and music, we examine what makes a work "original," whether it matters, and why it matters, legally, socially, and ethically.
Pre-Requisite(s): Department Consent

HON 102 Religion and Society (3 Credits)
A study of the great ideas and issues of human civilization seen through the theme of faith. Readings are grouped thematically across disciplines, ages, and cultures so as to highlight important ideas and issues and their interrelationships.

HON 104 Honors Professional Development Seminar I (1 Credit)
Designed for first-year students, this course is a general orientation to the professional dimensions of college life and beyond. Topics include pathways to establishing career goals and how to prepare for them, such as resume writing, interview skills, use of social and other electronic media to build a business brand.

HON 105 Local Lives, Global Issues: Topics in Social Sciences (3 Credits)
With two broad objectives, this Social Sciences course a) overviews local and global issues (migration, diversity, globalization, borders, nationalism, etc.) and b) introduces major disciplines and their scientific approach to study societal phenomena. Field trips will allow students to identify off-campus resources and connect academic course work with practical applications.

HON 107 Honors Professional Development 2 (1 Credit)
This course, picks up on and extends the work of Honors Professional Development I. Special attention will be paid to the specifics of resume writing, job searches, and interview skills.

HON 111 Critical Reading, Writing, and Speaking (3 Credits)
In this course students examine the role of reading, writing, and speaking in their lives, and acquire the technical skills necessary to excel in reading, writing, discussion, oral presentation, multi-media viewing, collaboration, and peer-review/feedback. Students will develop active comprehension skills and leave a stronger reader, writer, speaker, and critical thinker.

HON 112 Excursions in Quantitative Literacy (3 Credits)
This honors course introduces contemporary quantitative thinking to non-specialists. Topics may include classical and modern topics in graph theory, linear programming, statistics and probability, voting theory, growth and consumer mathematics, financial literacy, budgeting, interest rates, credit scores, taxes, and other real-world applications with emphasis on problem solving.

HON 120 Honors Topics in Fine & Performing Arts: The Creative Mind and Improvisation (3 Credits)
This interdisciplinary arts course helps students explore the fundamentals, techniques and creative qualities of the visual/performing arts. Classes are enhanced by museum tours, live performances and presentations by guest artists. Students investigate and discuss the historical, philosophical, political, psychological, scientific and social aspects of the creative process and aesthetic experiences.

HON 150 Honors Ethics (3 Credits)
This course, designed for the Honors core curriculum, introduces students to basic ethical reasoning. Starting out from real-life situations, students analyze ethical problems by conceptualizing the moral intuitions and beliefs they already possess. Using short philosophical readings, students develop methods of applying ethical theories to moral decision-making in their disciplines and own lives.

HON 175 Research and Presentation (3 Credits)
This course prepares students for reading, writing, researching and presenting at the university level. This course examines the process of collecting various sources of information, evaluating value, synthesizing them into a coherent work and then presenting this work with clarity, creativity, and integrity, with a foundation of writing in a variety of mediums.

HON 201 Scientific Inquiry (3 Credits)
A study of the great ideas and issues of human civilization seen through the theme of scientific inquiry. Readings are grouped thematically across disciplines, ages, and cultures so as to highlight important ideas and issues and their interrelationships.

HON 202 Safety, Security, & Social Justice (3 Credits)
This course analyzes great issues in civilization through themes of safety, law, health, security, and social justice. Readings are grouped thematically across disciplines, ages, and cultures to highlight important ideas, issues, and interrelationships. The course is taught with a focus on criminal justice, security studies, fire science, and/or public health.

HON 203 Earth and Nature (3 Credits)
This course accomplishes scientific understanding of nature and its interactions with humans by using an interdisciplinary approach to topics in Earth and Physical Sciences. Topics may include the solar system, physical forces, energy, energy resources, oceans, the atmosphere, plate tectonics, water resources, environmental pollution, GIS mapping, and climate change.

HON 204 Life and Nature (4 Credits)
This course explores biological, chemical, ecological and molecular aspects of living organisms. Its areas of emphasis may include the origin of life, inheritance, evolution, ecology, human biology and disease, and/or the history of modern medicine.

HON 210 Historic Preservation in the Global City (3 Credits)
This international and comparative course chronicles historic preservation in skyscraper cities after 1900. Students will evaluate the efforts undertaken in various cities to preserve old buildings and neighborhoods, using successes and failures as windows into power, sustainability, and disenfranchised populations in the global city.

HON 213 Dramatic Literature (3 Credits)
This course examines the human experience as presented in dramatic literature from the 5th C. BCE to the present. Students will explore social, political, and cultural themes, both era specific and universal, through dramaturgical, theatrical, and written analyses.

HON 220 Global Political Economy (3 Credits)
This course provides an introduction to the interplay of politics and economics in the international and domestic arenas. Within the general historical and theoretical frameworks that guide the study of international political economy (IPE), it examines the interaction of states, markets, and social forces across various issue areas of IPE.

HON 320 Modern U.S. Perspectives (3 Credits)
This seminar focuses on readings relevant to the development of distinctly American political, social, and cultural experiences. The course directs particular attention to the emergence and development of an American identity over time, and its global context. This seminar considers developments from political, psychological, sociological, or historical perspectives.

HON 340 Upper-Level Seminar I-The Arts: Looking, Thinking, Talking, Doing (3 Credits)
In this seminar students explore a wide range of creative work, and analyze how art is created, received, and evaluated. Through direct experience, reproductions, critical reading, and discussion, students interact with contemporary and historical works of art. Field trips to cultural venues allow students to experience art and its creator.

HON 360 Upper Level Seminar: Classic Philosophical Problems (3 Credits)
This course will reconstruct some classic responses to basic problems in ethics, epistemology, politics, and aesthetics. What is the meaning of life? Does art have a role in a meaningful life? What is true? What are the sources of violence? Is God's goodness compatible with the existence of evil?.

HON 403 Senior Honors Project I (2 Credits)
This course helps students prepare for graduate-level work by conducting independent research on a topic related to their field of study. Student will explore the steps of the research-writing process, the various methods of inquiry used in research, and will produce a variety of writings related to their research.

HON 404 Senior Honors Project II (2 Credits)
The purpose of the Senior Honors Project is to help students in their final year of the Honors Program to prepare for graduate-level work by conducting independent research on a topic related to their field of study. Part two of a two-semester sequence, this course will carry forward work begun in part one: Students will produce a draft of the final research project and revise it through a process of peer review, continued reading, and group discussions. Students will make an oral presentation of their work prior to the submission of the final written version of the project.

HON 440 Political Economy (3 Credits)
This course explores basic economic concepts and applies them to contemporary political and social issues. The tools of economics are used to analyze how these issues impact the public and non-profit sectors.

HON 460 Sex, Gender and Globalization (3 Credits)
This course examines sex and gender as dynamics of globalization. Topics may include the sexual politics of colonialism/nationalism, the economics of mothering/domestic work, the impact of globalization on women's lives in nations or regions; race, gender, and sexuality in local/global contexts, human trafficking, reproductive justice, and international politics of adoption/surrogacy.

Undergraduate Degree Requirements

Undergraduate students must successfully complete the following requirements to graduate:

1. INTD 101 First-time freshmen only.
2. NJCU's General Education Program (p. 4) or NJCU's Honors Program (https://catalog.njcu.edu/undergraduate/undergraduate-degree-requirements/njcu.edu/catalog/undergraduate/honors/)

3. A Major Program
4. A minimum of 120 credits.

Transfer students may transfer course work towards the General Education Program, their Major Program, and the 120 credit requirement as outlined by the relevant policies within this catalog.

Major Programs

All students at New Jersey City University must complete a major program in order to earn a degree. This catalog and the major department should be consulted for up-to-date information regarding the requirements of and course offerings for the student's major.

Students must apply for admission to a major program at the University Advisement Center or at the major program department. Once accepted to the major, the student is assigned a faculty advisor within the major department. The faculty advisor works with the student to determine a semester-by-semester plan for completion of the student's academic program.

Minor Programs

Students may elect to pursue a minor program of study within the minimum 120 credits required to graduate.

Total Degree Credits

A minimum 120 credits are required to graduate. Semester hours/ non-degree credits are not applicable toward the 120-credit minimum. Courses that are repeated only count once toward the minimum credit requirement.

Students must complete a number of credits at NJCU per the NJCU Residency Requirement (https://catalog.njcu.edu/undergraduate/undergraduate-degree-requirements/total-degree-credits/ catalog.njcu.edu/undergraduate/academic-requirements-policies-procedures/course-residency-requirement/).

Associate in Applied Science Degree

Programs leading to the Associate in Applied Science (A.A.S.) degree are generally classified as terminal, vocational programs. The transcripts of students transferring to New Jersey City University with A.A.S. degrees from accredited two-year and four-year colleges are evaluated on a course-by-course basis, with transfer-credit awarded to either direct equivalent courses or elective courses where applicable. New Jersey City University does not accept transfer credits for vocational type courses for subjects that they do not offer. A maximum of 60 credits may be applied to New Jersey City University degree requirements, assuming a minimum grade of "C" for all such accepted credits. Graduates of A.A.S. degree programs at regionally accredited two-year and four-year colleges must complete New Jersey City University's General Education Program, but will be awarded a waiver of the Civic Engagement and Capstone General Education Requirements as of Fall 2024's Reformed General Education Program.

Associate in Arts and Associate in Science Degrees

Graduates of A.A and A.S degree programs at accredited two-year and four-year colleges in the State of New Jersey or out-of-state regionally accredited institutions who earned a cumulative grade point average of at least a 2.0 on a scale of 4.0, can transfer a block of credits (up to a maximum of 60) to New Jersey City University. Those block of credits as previously described will satisfy the University's General Education Program. Students entering New Jersey City University with A.A. or A.S. degrees from accredited two-year and four-year colleges in the State of New Jersey or out-of-state regionally accredited institutions are considered to be Juniors upon enrolling for classes.

Academic Requirements, Policies, and Procedures

- **Academic fresh start policy (p. 13)**
- **Academic grievance/appeal procedure (p. 14)**
- **Academic Honors/Dean's List**
- **Academic integrity policy (p. 15)**
- **Academic standing (p. 30)**
- **Access to student records and FERPA (p. 16)**
- **Administrative withdrawal (p. 17)**
- **Advanced standing for transfer credit (https://catalog.njcu.edu/undergraduate/academic-requirements-policies-procedures/advanced-standing-transfer-credit/)**
- **Absence and attendance policy (p. 13)**
- **Cancellation of course and staffing (p. 17)**
- **Change of enrollment status (p. 18)**
- **Change of major (p. 18)**
- **Class status (p. 18)**
- **Co-major (p. 18)**
- **Concurrent Study in Two Degree Programs (p. 18)**
- **Credit load and overload policy (p. 19)**
- **Course residency requirement (p. 18)**
- **Course substitutions (p. 18)**
- **Course waivers (p. 18)**
- **Courses at other institutions (p. 18)**
- **Credit Hour Policy**
- **Declaration of Major Program of Study (p. 20)**
- **Degree requirements (p. 21)**
- **Distance Education Complaint Procedures (p. 21)**
- **Dropping or adding classes (p. 21)**
- **Electives and Minor Programs (p. 21)**
- **Financial aid - satisfactory academic progress policy (p. 21)**
- **Grading System (p. 23)**
- **Graduate courses open to undergraduate students (p. 24)**
- **Graduation and certification applications (p. 24)**
- **Guidelines and Procedures for Requiring Face-to-Face Final Examinations for Online Courses**
- **Independent study (p. 25)**
- **Major requirements (p. 25)**
- **Mid-semester progress report (p. 25)**
- **Minimum grade point average in major (p. 25)**
- **Non-classified study (p. 26)**
- **Prior Learning Credits**
- **Reasonable accommodation grievance procedure for students with disabilities (p. 29)**

- **Registration (https://catalog.njcu.edu/undergraduate/academic-requirements-policies-procedures/registration/)**
- **Second baccalaureate degree (p. 29)**
- **Second major after graduation (p. 29)**
- **Summer study (p. 29)**
- **Time limits on credits and degree completion (p. 29)**
- **Transcripts (p. 30)**
- **Undergraduate Second Degree Policy**
- **Visiting students (p. 31)**
- **Withdrawing from a class (p. 32)**

Absence and Attendance Policy

Class Attendance

- At the first-class meeting of a semester, students shall receive in print or electronically the course syllabus including the participation and attendance requirements for the course.
  - Both may factor into the evaluation of the student's performance and achievement for the course.
- Students must not schedule work, or other obligations, leisure activities or vacations during the scheduled in-person or online synchronous academic course or session or, the final assessment period.
- Students, seeking accommodation regarding the class attendance policy, must register with the Office of Specialized Services (https://www.njcu.edu/directories/offices-centers/office-specialized-services-and-supplemental-instruction). The OSS will retain documentation as necessary and work with faculty on appropriate adaptations.
- Financial aid (https://www.njcu.edu/admissions-aid/financial-aid) recipients who never attend one or more of their classes or who stop attending all of their classes will be paid a reduced amount of aid and are subject to forfeiture of their financial aid.
- Students enrolled in Joint Programs, such as NJCU/ Rutgers and NJCU/NJIT, must follow the rules and regulations established by NJCU as well as the affiliated clinical, governmental, accreditation agencies, professional associations and any other institution, agency, or organization participating in the Joint Program.
- Non-attendance does not constitute withdrawal from a course. Students who cease attending and otherwise participating in class activities may earn failing ("F") grade.

Class Absence

- In all circumstances, it remains the student's responsibility to initiate discussion about absence and arrangements for making up any missed work in a timely manner.

Excused Absence

- Instructors must provide fair and reasonable opportunities for students to make up an excused absence, examples include illness, injury, bereavement, or similarly compelling personal reasons.
- A student may need to schedule advanced absence from class to attend a religious observation, participate in a field trip, conference, academic or athletic competition or other sanctioned University event.
  - The student should communicate with the instructor in advance of the event and arrange to make up missed work.
  - Instructors may require documentation to verify the reason for an absence.
  - Student participation in authorized University events is considered academic in nature and reasonable accommodation should be made to allow completion of assignments including exams.
  - Athletic competition should be treated like an absence for an official college event in alignment with Excused Absence requirements.

Note: Club and intramural activities are not considered to be official NJCU activities with respect to absences.

Extended Absence Requirements

- Student absence from three class sessions is to be reported by the student, or his/her responsible designee, to the Dean of Students (https://www.njcu.edu/directories/offices-centers/student-affairs-and-enrollment-management/dean-students) office.
- The dean of students will notify the
  - The student's instructors,
  - The student's academic advisor(s), and
  - The Dean's office of the student's school.
- The University may request supporting documentation for short-term and extended absences and consider said documentation at their discretion.
  - Students need to provide requested documentation in a timely manner.
- Course withdrawal, or an incomplete grade are not automatically applied to extended absence. The student must consult with the course instructor and his/her academic advisor to discuss best options based on current academic policy.
- Students may be advised to withdraw from a course due to extended absences, failure to withdraw resulting in a F grade may not be considered for late withdrawal or change of grade.

Academic Fresh Start

The Academic Fresh Start facilitates the return to NJCU of students who left because of academic difficulty. The policy addresses students who want to return to NJCU after one year or more and have demonstrated the potential for success by having completed 12 credits or more with a cumulative GPA of 2.5 or better at another institution or have received an Associate's Degree from a community college.

1. Academic Fresh Start may be granted one time and only for courses taken at NJCU;
2. An undergraduate student must be separated from the college for a minimum of 12 months;
3. Current students who were readmitted after a 12-month separation from NJCU are eligible for Academic Fresh Start policy;
4. Application for Academic Fresh Start must be submitted to the Dean of the William J. Maxwell College of Arts and Sciences unless there is a declared major in one of the other colleges. This application will be submitted by July 1 for the next fall semester readmits, or by November 1 for the next spring semesters readmits;
5. Upon return to NJCU, a readmitted student will be placed on academic probation until the completion of 15 credits with no grade below C. The student can withdraw from a course only with permission of the new program advisor and the Dean.
6. Appeals may be made to the appropriate Dean (as stated in Policy #4) and then to the Provost.
7. Courses omitted from the recalculation will remain on the transcript and will be identified by (**) and will not be counted towards graduation requirements. Up to 30 credits may be omitted prior to

recalculation, subject to departmental policies. Only courses with a grade lower than C will be eligible for omission;

8. W records will remain on the transcript;
9. An academic probation contract with the new program advisor is required prior to registration;
10. Financial aid policies are independent of the Academic Fresh Start Policy.

Academic Grievance/Appeal Procedure

The following procedure is available to resolve academic grievances regarding grading, course requirements, attendance, academic integrity, and other academically related complaints.

The student must submit the academic grievance within (10) university calendar days, of the next semester of the academic calendar (fall or spring) in which the grievance takes place. The student must accompany the appeal with a clear, succinct statement and compelling evidence that there are legitimate grounds for the appeal. All supportive documentation/evidence must accompany the grievance/appeal. The following steps (1-4) of the Grievance/Appeal Procedure must be followed in sequence.

Step 1. **Faculty Member**: The student must submit in writing, (NJCU email or certified mail) a request for a meeting with the faculty member involved to resolve the situation in question, this meeting must take place within (10) university calendar days of the subsequent semester of the involved grievance (fall or spring). At the conclusion of the meeting the faculty member will inform the student of a decision in writing.

Step 2. **Department Chairperson:** The Student must submit in writing (NJCU email or certified mail) a written appeal to the appropriate department chairperson within ten (10) university calendar days of notification of a decision pursuant to the previous step (Faculty Member) or upon failure of the faculty member to respond within the prescribed ten (10) university calendar days.

Step 3. **Academic Dean**: The student must submit in writing (NJCU email or certified mail) a written appeal to the appropriate academic dean within ten (10) university calendar days of notification of a decision pursuant to the previous step (Chairperson). The appropriate dean shall provide the student with a written decision within ten (10) university calendar days of receipt of the appeal from Step 2.

Step 4. University Senate Students Affairs Committee: The student must submit in writing, (NJCU email or certified mail) a written appeal to the University Senate Student Affairs Committee within ten (10) university calendar days of notification of a decision pursuant to the previous step 3, (Academic Dean).

Grievances that are not resolved at the dean's level may be referred to the Student Affairs Committee of the University Senate for review and decision, which will be forwarded to the Vice President for Academic Affairs for final decision.

The Student Affairs Committee of the University Senate shall deal with student grievances involving grading, course requirements, attendance, academic integrity, and other academically related complaints after Steps 1-4 above have been exhausted. The committee shall include at least one faculty or professional staff member from each of the colleges and one student. The Vice President of Student Affairs or Associate Vice President of Student Affairs will serve as a non-voting, ex-officio member of this Committee. The Committee may choose to invite parties involved to meet with the committee to present their positions or to proceed on the written record generated from the appeal process detailed above.

Within (20) twenty university calendar days of receipt of a written appeal from a student, the committee shall (a) determine that the appeal has basis in fact; (b) inform the complainant of the legal and administrative limitations of the committee in resolving grievances; and (c) determine that all normal avenues of appeal resolution, between the parties involved, and the applicable department chairperson and dean, have been exhausted. It shall provide notice of its decision, made on a review and advise basis, to the Vice President for Academic Affairs, who renders a final decision within thirty (30) university calendar days of receiving the Student Affairs Committee's recommendation.

Final Appeal:

Only cases that result in expulsion may be appealed to the President. In these cases, the decision of the President is final and there is no further recourse at the University. The charged student will have ten (10) university calendar-days from the date of the decision by the Vice President for Academic Affairs to file an appeal with the President of the University. All appeals must be in writing. In cases resulting in expulsion, the President of the University shall render a final decision within twenty (20) calendar-days of receiving the appeal.

Expedited Timeline: An expedited timeline (20 university calendar days) will be in effect if the Academic Grievance/Appeal Process affects the student's graduation status. This timeline is defined as the entire procedure as completed within 20 university calendar days following the posting of the Spring Grades. Each step (1-4) of the Academic Grievance procedure will be followed except each step will be allotted (5) university calendar days.

Acknowledgements
New Jersey City University gratefully acknowledges excerpted materials from other universities that were utilized when formulating this policy:

- Kean University
- Montclair University
- Rutgers University
- William Paterson University
- Thomas Edison University
- Ramapo University
- New Jersey Institute of Technology
- Stockton University
- Fairleigh Dickinson University

Academic Honors/Dean's List

Dean's List

- Students with a semester average of 3.5 or better of computable letter grades will be placed on the Dean's List; provided they are in good academic standing.
- Students with a grade of "Incomplete" cannot be considered eligible for the Dean's List.
- The Dean's List is issued by the Provost and Sr. Vice President of Academic affairs and/or their designee once after each Fall and Spring Semester.

Qualifications

- Full-time Students – A minimum of 12 credits of computable letter grades in a semester.
- Part-time Students – A minimum of 6 to 11.5 credits for two consecutive semesters.

Graduation with Honors

Students who have a cumulative grade point average of 3.65 or higher as they begin their final semester at the University will be officially recognized as honors graduates and designated as follows:

- 3.65-3.79 cum laude
- 3.80-3.89 magna cum laude
- 3.90-4.00 summa cum laude

Based on a minimum of 30 credit hours in residence at New Jersey City University. Only graduates with a cumulative average of 3.65 or higher will have an honors notation on their permanent records.

Academic Integrity Policy

New Jersey City University (NJCU) is committed to nurturing the growth of intellectual reasoning, academic and professional values, individual ethics and social responsibility in its students.

Academic integrity is central to this growth and is defined as a commitment, even in the face of adversity, to five fundamental values: **Honesty, Trust, Fairness, Respect** and **Responsibility**. From these values flow principles of behavior that enable academic communities to translate ideals into action.

All students are expected to embrace the highest standards of academic integrity in their work. Any violation of such may be subject to a penalty based on the infraction, examples, definitions and suggested penalties are outlined below.

This policy applies to all colleges, schools and academic departments as well as undergraduate and graduate programs.

Violations of Academic Integrity Policy

Level I violations apply in circumstances involving ignorance or inexperience on the part of the person(s) committing the violation and ordinarily include a minor portion of the course work. Example: Improper documentation of sources or unauthorized collaboration on an academic exercise.

- Any violation that involves repeat offenses at Level I is considered a Level II violation.

Level II violations involve incidents, based on ignorance or inexperience, of a more serious nature and affect a significant aspect or portion of the course, or violations involving incidents of willful misconduct and that affect a small or significant aspect or portion of the course.

- Any violation that involves repeat offenses at Level II is considered a Level III violation.

Level III violations apply to offenses that are even more serious in nature and involve pervasive dishonesty on a significant portion of course work, such as a major paper, mid-term, final exam, or other examination.

Definitions and Examples of Violations

Cheating: Cheating is an act of deception by which a student misrepresents his or her mastery of material on a test or other academic exercise. Examples of cheating include, but are not limited to the following:

Fabrication: Fabrication refers to the deliberate use of invented information or the falsification of research or other findings with the intent to deceive. Examples of fabrication include, but are not limited to the following: Violation_Fabrication.pdf (https://catalog.njcu.edu/undergraduate/academic-requirements-policies-procedures/academic-integrity/Violation_Fabrication.pdf)

Plagiarism: Plagiarism occurs when a person represents someone else's words, ideas, phrases, sentences or data as one's own work. When a student submits work that includes such material, the source of that information must be acknowledged through complete and accurate references. All verbatim statements must be acknowledged by means of quotation marks. Examples of plagiarism include, but are not limited to the following: Violation_013_Plagiarism.pdf (https://catalog.njcu.edu/undergraduate/academic-requirements-policies-procedures/academic-integrity/Violation_013_Plagiarism.pdf)

Academic Misconduct:

Academic Misconduct is a serious offense that is also considered a crime.

- NJSA 18A: 2-3 (c) prohibits the preparation for sale of any term paper, thesis, dissertation, essay, report or other written, recorded, pictorial, artistic or other assignment knowing that it is intended to fulfill requirements for a degree, diploma, certificate or course at any educational institution. The law specifies up to a $1,000 fine for violations of its provisions.

Examples of Misconduct include, but are not limited, to the following: Violation_-_Misconduct.pdf (https://catalog.njcu.edu/undergraduate/academic-requirements-policies-procedures/academic-integrity/Violation_-_Misconduct.pdf)

Procedures

Faculty, students, and administrators must report all violations of academic integrity, other than Level I; such violations represent serious infractions and undermine the University's mission.

Level I penalties the imposition of these penalties is considered an academic issue and not disciplinary. These penalties are subject to the discretion of the faculty member. Faculty will meet with the student to discuss the allegation and possible penalties.

Level II penalties involve incidents of a more serious nature and affect a significant aspect or portion of the course. Violations at this level will be reported to the department chair and the Academic Dean for the specific course for undergraduate students.

Graduate students a notation of plagiarism shall be placed in the student's record following this offense, and the student will not be allowed to expunge the grade of F from his/her GPA should he or she re-take the course. Confidential copies of the report will also be sent to the Vice President for Academic Affairs and the Dean of Students or the Dean of Graduate Education. Should the Vice President for Academic Affairs upon receipt of a report of plagiarism, find that a student has a prior record of plagiarism, the offense will be upgraded to Level III, and

the Vice President for Academic Affairs will notify the instructor, the chair and the academic dean so that appropriate action can be taken.

Level III penalties apply to offenses that are even more serious in nature and involve pervasive dishonesty on a significant portion of course work, such as a major paper, mid-term, final exam or other examination.

In the case of an undergraduate student, violations at this level will be reported to the department chair and the academic dean for the specific course. A notation of plagiarism shall be placed in the student's record following this offense, and the student will not be allowed to expunge the grade of F from his/her GPA should he or she re-take the course. Confidential copies of the report will also be sent to the Vice President for Academic Affairs and the Dean of Students or the Dean of Graduate Education. Should the Vice President for Academic Affairs or the Dean of Graduate Education discover, upon receipt of a report of plagiarism, that a student has a prior record of plagiarism, the Vice President for Academic Affairs or the Dean of Graduate Education will notify the faculty member, the chair and the academic dean so that appropriate action can be taken.

In the event the faculty member determines that the violation is severe, she/he may recommend to the department chair/ academic dean that the student be placed on probation, suspension, or expulsion for one or more semesters with a notation of "disciplinary suspension" indicated on the student's record, or that the student be permanently dismissed from the University in case of repeat offenses. The Academic Dean, in consultation with the faculty member, will be responsible for deciding the additional penalty.

Graduate Students face dismissal from the University for level III violations.

Academic Integrity Violation Form for Faculty.

Academic Grievance/Appeal Procedure

Outlined below are the steps for an academic grievance. The full Academic Grievance/Appeal Procedure is listed in the Undergraduate (p. 4) and Graduate catalogs (https://catalog.njcu.edu/graduate/).

Step 1. Faculty Member: The student must submit in writing, (NJCU email or certified mail) a request for a meeting with the faculty member involved to resolve the situation in question, this meeting must take place within (10) university calendar days of the subsequent semester of the involved grievance (fall or spring). At the conclusion of the meeting the faculty member will inform the student of a decision in writing within 10 days.

Step 2. Department Chairperson: The student must submit in writing (NJCU email or certified mail) a written appeal to the appropriate department chairperson within ten (10) university calendar days of notification of a decision pursuant to the previous step (Faculty Member) or upon failure of the faculty member to respond within the prescribed ten (10) university calendar days. The department chairperson will inform the student of a decision in writing within 10 days.

Step 3. Academic Dean: The student must submit in writing (NJCU email or certified mail) a written appeal to the appropriate academic dean within ten (10) university calendar days of notification of a decision pursuant to the previous step (Chairperson). The appropriate dean shall provide the student with a written decision within ten (10) university calendar days of receipt of the appeal from Step 2.

Step 4. University Senate Student Affairs Committee: The student must submit in writing, (NJCU email or certified mail) a written appeal to the University Senate Student Affairs Committee within ten (10) university calendar days of notification of a decision pursuant to the previous step 3, (Academic Dean.)

Grievances that are not resolved at the dean's level may be referred to the Student Affairs Committee of the University Senate for review and decision, which will be forwarded to the Vice President for Academic Affairs for final decision.

The Student Affairs Committee decision is then forwarded to the Provost and Executive Vice President of Academic Affairs who will make a final decision. The student will be notified in writing within ten (10) university calendar days.

The Academic Grievance Form

Examples and Potential Penalties are examples only and determination is based on the severity of the situation. Any violation may be subject to a penalty based on the infraction that may include a reprimand, reduction in grade, failing grade, suspension or dismissal from the University.

Access to Student Records and FERPA

New Jersey City University maintains academic and health records of all students enrolled in the University. Additionally, financial records, as required by federal and state regulations, are maintained on all students who receive financial assistance through the University.

For the purposes of compliance with the Family Educational Rights and Privacy Act (FERPA), the University considers all students enrolled in the University as independent.

The Family Educational Rights and Privacy Act of 1974 afford students certain rights with respect to their education records. They are:

1. The rights to inspect and review the student's education records within 30 (thirty) calendar days of the day the University receives a request for access.
   Students should submit to the Dean of Students, or to other appropriate officials, written requests that identify the records(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.
   Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want to change, and specify why it is inaccurate or misleading.
   FERPA was not intended to provide a process to be used to question substantive judgments that are correctly recorded. The rights of challenge are not intended to allow students to contest, for example, a grade in a course because they felt a higher grade should have been assigned.
   If the University decides not to amend the record as requested by the students, the appropriate office in the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information

regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.
In most cases, students must consent to the disclosure of personally identifiable information to a third party, in writing.
One exception, which permits disclosure without consent is disclosure to school officials with legitimate educational interests.
A school official is a person employed by the University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, collection agent, or official of the National Student Clearinghouse); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

   The University may disclose education records in certain other circumstances:
   a. to appropriate parties to comply with a judicial order or a lawfully issued subpoena (Unless a court order has ordered that the existence of the subpoena not be disclosed, the University will attempt to inform the student of the subpoena, by letter to his/her last known address, prior to the requested documents being released.);
   b. to appropriate parties in a health or safety emergency;
   c. to officials of another school, upon request, in which a student seeks or intends to enroll;
   d. to University and other appropriate officials in connection with a student's request for or receipt of financial aid, to determine the eligibility, amount, or conditions of the financial aid, or to enforce the terms and conditions of the aid;
   e. to certain officials of the U.S. Department of Education, the Comptroller General's office, or to state and local educational authorizes, in connection with certain state or federally supported education programs;
   f. to accrediting organizations to carry out their functions;
   g. to organizations conducting certain studies for or on behalf of the University;
   h. to the alleged victim of a crime of violence or a non-forcible sex offence when the crime was allegedly committed by the student; the University may disclose the results of an institutional disciplinary proceeding with respect to the crime which shall include only the name of the student, the violation committed, the sanction imposed and the name of another student, such as victim or witness, only with the consent of the student;
   i. to the parent(s) or legal guardian the violation of any law or University rule or policy governing the use or possession of alcohol or a controlled substance if the student is under 21 years of age and the University determines that the student has committed a disciplinary violation with respect to use or possession.
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA.
   The name and address of the Office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, DC, 20202- 4605.

DIRECTORY INFORMATION
The University may disclose the following categories of student information, designated as public information: the student's name, address, telephone number, e-mail address, age, major field of study, degree sought, expected date of completion of degree requirements and graduation, degrees and awards received, dates of attendance, full or part time enrollment status, the previous educational agency or institution attended, participation in officially recognized activities and sports, weight and height of athletic team members, and other similar information and photographs.

Students may restrict the release of public information, except to school officials with legitimate educational interests. To do so, a student must make the request in writing to the Dean of Students or by completing a "Do Not Release Information Form" at the Registrar's Office. Once filed, this request becomes a permanent part of the student's record until the student instructs the University, in writing, to have the request removed.

RECORD OF ACCESS
A record must be kept in the education record of each student that indicates the individuals or organizations, other than University personnel, which have requested or obtained access to the student's records and the legitimate education interest of the individual or organization in obtaining the information. The record of access may be released only to the student, University personnel, or state or federal officials as means of auditing the system of reporting access to student records. Subpoenas, where the court has ordered that their existence not be disclosed, will not be released except within the parameters of the court order.

Educational records or personally identifiable information in the records may be released as specified under item 3, above.

Administrative Withdrawal

Administrative Withdrawal

The University reserves the right to administratively withdraw or deny registration to any student for reasons including, but not limited, to the following:

- The student sails to comply with institutional policies and procedures.
- A student accepts but does not enroll in classes, or attend classes, or has multiple F grades.

The Registrar's office will process the withdrawal, and the withdrawal will show as a WA on the students' transcript.

Cancellation of Course and Staffing

The University reserves the right to cancel any course for insufficient enrollment. Students registered for cancelled courses will be notified immediately of the cancellations, and their semester bills will be adjusted. A student can substitute another course. Adding the other course must be completed before the end of the Add/Drop period.

The University reserves the right to change faculty assignments and therefore cannot guarantee students faculty of their choice.

Change of Enrollment Status

A currently enrolled, degree-seeking, part-time student who wishes to change to full-time enrollment status the next semester is eligible to do so once he/she:

1. completed a minimum of twelve (12) college level credits at New Jersey City University;
2. achieved a minimum CGPA of 2.0;
3. filed a Change of Enrollment for Continuing Students Form at the University Advisement Center (https://www.njcu.edu/academics/resources-services/university-advisement-center), Vodra Hall, Room 101.

A currently enrolled non-degree-seeking, part-time student who wishes to change to degree-seeking status for the following semester is eligible to do so once he/she has:

1. completed a minimum of twelve (12) college-level credits at New Jersey City University;
2. achieved a minimum CGPA of 2.0;
3. filed a Change of Enrollment for Continuing Students form at the University Advisement Center (https://www.njcu.edu/academics/resources-services/university-advisement-center), Vodra Hall, Room 101;
4. taken the University's basic skills test. Arrangements for the test may be made at the same office listed in #3.

Change of Major

A student may change his/her major by filing the Application to Change of Major Program of Study at the University Advisement Center (https://www.njcu.edu/academics/resources-services/university-advisement-center), located in Vodra Hall-Room 101, or with the new major program department.

Class Status

For purposes of general operations of the University:

Freshman: 0–29.5 credits* completed

Sophomore: 30–59.5 credits* completed

Junior: 60–89.5 credits* completed

Senior: 90+ credits* completed

* Credits for courses numbered 100 or higher

Co-Major

ELIGIBILITY

An undergraduate degree student enrolled at New Jersey City University may pursue two major programs by applying for a co-major after earning 36 semester hours of credit at the University and achieving a minimum CGPA of 2.5, and completing courses in each of the two major fields. Admission to the co-major is subject to the approval of the respective departments, appropriate Dean(s), and the University Advisement Center (https://www.njcu.edu/academics/resources-services/university-advisement-center).

APPLICATION

Application for a co-major is made by filing the Undergraduate Declaration of Program of Study form at the University Advisement Center (https://www.njcu.edu/academics/resources-services/university-advisement-center) or major program department, which reviews and forwards it to the appropriate Dean(s).

GRADUATION

1. Both major program departments must endorse the candidate as having met the requirements for graduation from their respective programs;
2. When the above requirement is met, the co-major will be so designated and added to the student's transcript.

Concurrent Study in Two Degree Programs

Students wishing to complete two undergraduate degrees must be separately matriculated into each, even if both degrees may be offered by the same department. Students must complete all of the requirements for each degree program, and must apply for graduation in each degree for the semester in which each is expected to be completed. Students working on two degrees at the same time should seek appropriate academic advisement for each.

Course Residency Requirement

All NJCU and non-NJCU first-degree graduates, including those students granted advanced standing due to credits transferred from other institutions or granted credits by examination must complete a minimum of 30 credits at New Jersey City University.

Course Substitution

Substitution of Major Requirement

Any student wishing to substitute another NJCU course for a requirement in the major, the student must submit a waiver with the signatures of their faculty advisor and (major) department chairperson.

Course Waivers

Students wishing to substitute New Jersey City University courses for requirements or electives in their major programs must submit a Waiver of Major Requirement forms for evaluation and approval to their advisors and major department chairperson.

Courses at Other Institutions

NJCU students wishing to take courses at other institutions must first obtain permission, in the form of a signed waiver, prior to taking the desired courses. Waiver forms are available at the University Advisement Center (https://www.njcu.edu/academics/resources-services/university-advisement-center) in Vodra Hall, Room 101, or the Transfer Resource Center (https://www.njcu.edu/admissions-aid/transfer-student-admissions/transfer-resource-center) in Hepburn Hall, Room 201. Waivers for courses under way or previously taken at other institutions will not be granted. Waivers are not granted for courses equivalent to courses simultaneously offered at NJCU.

Students wishing to substitute courses from other institutions for requirements or electives in their major programs must submit Waiver of

Major Requirement forms for evaluation and approval to their advisors and major department chairpersons to the Transfer Resource Center (https://www.njcu.edu/admissions-aid/transfer-student-admissions/transfer-resource-center) in Hepburn Hall, Room 201. Waivers for courses under way or previously taken at other institutions will not be granted. Waivers are not granted for courses equivalent to courses simultaneously offered at NJCU.

In all cases, if any student will receive transfer credit for courses taken at other institutions, then the student must earn grades of "C" (2.0) or better in those courses.

Students matriculated at NJCU cannot receive financial aid as visiting students at other schools. However, students should check with the financial aid office of the schools they are visiting to determine whether there exist consortium agreements with NJCU, for purposes of enrollment there. Such agreements must be reviewed and processed by the financial aid offices at each school. Supporting statements indicating that the course(s) will be credited toward a student's degree requirements must also be submitted.

Credit Hour Policy

INTRODUCTION AND STATEMENT OF PURPOSE
The US Department of Education requires that post-secondary institutions develop written policies regarding assignment of credit hours that conforms to the definition in the Federal Register. The federal definition for a credit hour, which is consistent with the Carnegie Unit, is: A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
2. At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours. (CFR 600.2)

The New Jersey Administrative Code defines semester credit hour as:
50 minutes of face-to-face class activity each week for 15 weeks (or the equivalent attained by scheduling more minutes of face-to-face class activity per week for fewer weeks in the semester) in one semester complemented by at least 100 minutes each week of laboratory or outside assignments (or the equivalent thereof for semesters of different length).
(A:1-1.2)

POLICY
New Jersey City University abides by the Federal and State definitions of a credit hour and adopts a policy consistent with the Carnegie Unit. A one-credit class represents 150 minutes of academic work per week (e.g., one 50 minute class meeting plus 100 minutes of preparation). For a 15-week semester, this is equivalent to 37.5 hours. The standard NJCU semester is 15 weeks, with a 16th final examination week that does not count in the total time calculation.

This policy applies to all types of courses and all delivery formats, as outlined below:

Seminar and Lecture
One credit hour for a lecture (LEC) or seminar (SEM) course represents 50 minutes per week of scheduled class time and a minimum of 100 minutes per week of student preparation time for a regular (15-week) semester. For instance, a three-credit class represents 37.5 hours of in-class time and 75 hours of preparation time, or 112.5 hours total.

Lab and Studio
One credit hour for a lab (LAB) or studio (STU) course represents a minimum 150 minutes per week of class time, either individual or supervised. There is no minimum required amount of

Clinical, Cooperative Education, Field Experience, Independent Study, Internship, Performance, Practicum, Project, Thesis
One credit hour for a Clinical (CLN), Cooperative Education (COP), Field Experience (FLD), Independent Study (IND), Internship (INT), Performance (PER), Practicum (PRC), Project (PRO), Thesis (THE) represents a minimum of 150 minutes per week of supervised and/or independent practice.

Delivery Formats
The above definitions refer to face-to-face courses. The total amount of academic work per credit hour for online or blended formats remains the same. Academic work is comprised of, as appropriate, class meeting time, synchronous online course activities, asynchronous online course activities, and student preparation.

Non-Standard Length Semesters
The total amount of academic work per semester for courses offered for fewer or more than 15 weeks is adjusted accordingly to achieve the total 37.5 hours of academic work per semester.

DATE TO INITIATE REVIEW AND UPDATE
As deemed necessary or appropriate by the Policy Coordinator but at a minimum, at least every 5 years from the date of last review.

Credit Load and Overload Policy

Credit Load:

- A full-time undergraduate student must register for a minimum of twelve (12) credits each regular semester to a maximum of **sixteen (16)** credits.
- Part-time study is under **twelve 12** credits.
- Summer credit load is six (6) credits max per session.
- Winter credit load is three (3) credits max.

Overload is defined as registering for more than **sixteen (16)** credits in a regular semester.

A student can request overload credits but are restricted as follows:

Procedure for requesting overload credits.

1. To request overload a student must fill out the Add/Drop form from the Registrar Office; found online here (https://www.njcu.edu/sites/default/files/adddropform111416.pdf).
2. The Registrar will forward the form to the University Advisement Center (UAC) or the appropriate Dean's Office.

3. The UAC or the Dean's Office will review, approve/deny, contact the student for more information or register the student.
4. The student will be notified via NJCU email.

Dean's Office Contact Information

College of Arts & Science
K 605, deancas@njcu.edu

College of Professional Studies
P 402, cps@njcu.edu

College of Education
P 303, COE@njcu.edu

School of Business
Harborside 2, 200 Hudson Street, Suite 234
schoolofbusiness@njcu.edu

Note: Part time students looking to take additional credits should contact the University Advisement Cent (https://www.njcu.edu/academics/academic-success-resources/university-advisement-center)er for a change in status.

Note: Requests for overload do not include registration in a closed class. Close course enrollment is at the discretion of the department.

Cumulative Grade Point Average

The Cumulative Grade Point Average (CGPA) average reflects all grades earned for all semesters. It is determined by dividing the sum total of all grade points by the sum total of all credit hours attempted.

The number of credits assigned to each course multiplied by the grade index earned gives the number of grade points earned for that course. The sum total of grade points earned, when divided by total credits attempted, constitutes the student's grade point average.

Example: A student enrolled in five three-credit courses, earned an A, three B's, and a C. The grade point average is determined as follows:

A—4.0 x 3 hours 12.0
B—3.0 x 3 hours 9.0
B—3.0 x 3 hours 9.0
B—3.0 x 3 hours 9.0
C—2.0 x 3 hours 6.0

15 hours for 45.0 points

Dividing 45.0 by 15 credits, the grade point average is 3.0.

Notes:

1. The grades "W", "P" and "R" do not affect the grade point average. However, an excessive number of "W" grades can adversely affect a student's academic standing and/or eligibility for types of financial aid.
2. "IN" (Incomplete) Grade: This grade, used only in extraordinary circumstances, grants a student further time to complete required course work. The final deadline date for the revision of an "IN" is six weeks after the beginning of the subsequent semester, e.g.:
   a. "IN" grade for the fall semester must be satisfied by the sixth week of the following spring semester.
   b. "IN" grade for the spring semester or the summer sessions must be satisfied by the sixth week of the following fall semester.
   c. "IN" grades that are not resolved by the deadline date are automatically converted to "F" grades.
3. "W" (official withdrawal) Grade: This option is available between the time add/drop ends and the deadline dates identified below. Academic Foundations courses cannot be dropped or withdrawn from without the approval of the Office of the Dean of the William J. Maxwell College of Arts and Sciences. A student who has earned thirty (30) credits or more cannot drop or withdraw from an All University Requirements course, except in exchange for a different section of the same course or with the approval of the Office of the Dean of William J. Maxwell College of Arts and Sciences.

   This grade is only applicable to the student who officially withdraws from a course by filing a completed withdrawal form with the Office of the Registrar. The deadline dates for filing are November 1 for the fall semester, April 1 for the spring semester and the mid-semester points for summer sessions. For all officially withdrawn students, the instructor's final grade roster will have the grade "W" imprinted in the grade column next to the student's name. A student who does not complete course work and does not officially withdraw will receive the grade of "F."
4. In extraordinary circumstances, such as hospitalization for an accident or illness, a student may submit a written request to the appropriate academic dean for an official withdrawal after the deadline date. Such requests must be accompanied by appropriate documentation of the time and nature of the circumstances. Decisions of the academic dean on these requests are final. Timely withdrawals may be eligible for a refund. To obtain a refund, students must file an official form and follow the Registrar's Refund Schedule. A partial refund is available only to students who officially withdraw from courses within the first third of the semester or summer session.
5. "R" Grade: This grade will only be used in Academic Foundations Courses. The grade is given to a student who demonstrates progress in the course, but not sufficient progress to warrant a passing grade. The student who receives an "R" grade must either repeat the course or demonstrate the ability to advance to the next level of coursework. Students may receive one "R" grade per course. When the course is repeated, an "F" grade leads to dismissal from the University. Letter grades ("A" through "F") issued in Academic Foundation courses (courses with catalog number less than 100) are not included in calculations of CGPAs.
6. Change of Grade: A grade change must be submitted to the Registrar's Office prior to posting of the degree. A grade change will not be approved once the degree is posted.
7. Grade Access: Final grades are posted to the transcript file approximately three weeks following the last day of the semester. Grades can be accessed via the Internet at GothicNet.

Declaration of Major Program of Study

Degree students applying for acceptance into their major program, must file the form online (https://www.njcu.edu/academics/resources-services/university-advisement-center/student-resources). Once application is submitted, an advisor will review the application and inform the student of its approval via the NJCU e-mail account. New transfer

students should apply for admission to a major program at the beginning of their first semester at the University. Freshmen should apply for acceptance into a major after following completion of all undergraduate required courses, approximately 35 degree credits. Prospective music majors must audition in person before music faculty.

A minimum cumulative average of 2.0 is generally required for admission to a major; a department may refuse to accept if a student's work in core courses is below a "C". Specific admission requirements are available from individual departments. No student is accepted to a major until he/she passes and/or been tested out of the Academic Foundations Program.

Veterans or dependents of veterans receiving VA benefits who have completed 32 semester hours and have an acceptable grade point average, must declare a major once granted admission to the major program. The student will receive a copy of the provisionally approved application and assigned to an advisor for the major program. Students are approved conditionally for admission to the major; continuation in the major is contingent upon satisfactory progress in the major program.

Students interested in education major may be provisionally accepted into the major as early as the second semester provided they have a G.P.A. of 2.75 or higher. Other requirements for formal admission are available from the department or the Advisement Center.

Degree Requirements

To be eligible for graduation from New Jersey City University with the degree of Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science in Nursing, or Bachelor of Science, a student must fulfill the following requirements:

1. Earn a minimum of 120 credits of baccalaureate study at the 100-level or higher; of these, at least 30 credits must be at NJCU.
2. Maintain a minimum cumulative grade point average (CGPA) of 2.0 (i.e., "C" average). Major department requirements may be higher.
3. Completion of a course of study leading to the bachelor's degree, which includes:
   a. Complete the University's General Education Program requirements;
   b. Complete at least 36 credits and achieve at least a 2.0 CGPA in an approved major, as outlined in the catalog by the department offering the major;
   c. Be recommended for graduation by University faculty.

Distance Education Complaint Procedures

Distance education students at New Jersey City University are encouraged to attempt to resolve any academic complaints they may have with the University through standard University Academic Grievance procedures.

Pursuant to the United States Department of Education's Program Integrity Rule, New Jersey City University is required to provide all prospective and current students with contact information for filing complaints with its accreditor and with its state approval or licensing entity.

New Jersey City University is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104 (267-284-5000). The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation.

Dropping or Adding a Class

Students may add and drop classes during the designated Add/Drop period for each semester or Summer session. The last date for adding and dropping classes for each term is listed in the Master Course List (MCL) published by the Registrar and available online at https://www.njcu.edu/academics/academic-calendar. Separate dates may be established for classes that do not follow the normal start/end schedule.

Students who drop courses during the designated Add/Drop period will receive full (100%) refunds for those courses.

Students with Financial Aid should be cautioned that dropping courses may affect their eligibility status and Financial Aid award amounts.

Furthermore, students are not allowed to drop Academic Foundations courses, All-University Requirement courses, and certain other courses, such as those with corequisites, unless special permission is granted.

Students may add and drop classes via GothicNet, or in person by submitting an Add/Drop form to the Registrar's Office, Hepburn Hall 214. The Add/Drop form is available at the Registrar's Office, and at https://www.njcu.edu/directories/offices-centers/registrar/forms.

Students are strongly cautioned against dropping classes indiscriminately, as doing so may affect eligibility for Financial Aid and scholarships, registration in other courses, full-time status, and overall degree progress.

Electives and Minor Programs

The general curricular plan affords the student a maximum of opportunity to design an individual degree plan that meets his or her general interests and career goals.

A student may use elective courses to strengthen his/her program and achieve higher individual educational goals. He/she may:

1. Take up to 54 credits in additional courses in a major field, with the exception of certain tracks or specializations in art and music;
2. Pursue in-depth study in a sequence of courses leading to a second major. See the above section, "Co-Major";
3. Build a competence in an academic field other than his/her major by taking a sequence of courses (18 to 24 credit hours), majoring a different academic department, leading to an academic minor; or
4. Complete miscellaneous elective credits.

Note: A student enrolled in the elementary education or the early childhood education teacher certification program is reminded that he/she must complete specific requirements appropriate to his/her first major.

Financial Aid-Satisfactory Academic Progress Policy

Federal and state regulations require institutions to establish minimum standards of satisfactory academic progress for students receiving

federal, state and/or institutional financial aid. These standards include "qualitative" as well as "quantitative" components. Students must maintain a certain cumulative grade point average (qualitative) and successfully earn minimal numbers of degree credits at each evaluation (quantitative). In determining satisfactory academic progress, all course work is considered, whether or not the student received financial aid at the time the work was completed.

Academic progress is measured annually after spring grades are posted. Students who do not meet the standards of satisfactory academic progress are notified by the Office of Financial Aid.

QUANTITATIVE MEASURE
The quantitative component measures the pace at which the student must progress through his/her program of study to ensure completion within the maximum timeframe allowed. Pace is calculated by dividing the cumulative number of credit hours the student successfully completed by the number of cumulative credit hours the student has attempted. The completion ratio must be 67% or greater.

For example, a student attempted 12 credit hours in the fall semester and earned 8 credits and in the spring semester s/he attempted 14 credits and earned 11. 8 credits + 11 credits = 19 credits earned.

12 credits + 14 credits =26 credits attempted. 19/26 = 73% which is greater than the completion ratio of 67%.

Transfer Credits: Credits accepted by NJCU from prior institution(s) are totaled and divided by 15. The result, which is rounded down to the nearest whole semester, is the official measurement of the number of semesters spent at other institution(s). Transfer credits accepted toward the student's educational program are counted as both attempted and completed hours.

Incomplete and Withdrawals: Incomplete and withdrawn grades do not earn credits to meet the academic year minimum or influence the GPA in the term the course was attempted, but the credits are counted for timeframe determination. Repeated courses count toward determination of enrollment status and maximum timeframe.

MAXIMUM TIMEFRAME
The maximum timeframe a student may attend and continue financial aid eligibility cannot exceed 150% of the published length of the student's academic program measured in academic years. The published length of a four-year undergraduate program is eight semesters; therefore a full-time student has a maximum of twelve semesters to complete the program. The length of a graduate program is based on the published length for each individual program; in no case will the graduate student's enrollment exceed the 150% point in time. If a student enrolls part time, the semester will be prorated accordingly. When the student's enrollment exceeds the 150% point, the student is no longer eligible for financial aid.

QUALITATIVE MEASURE
The qualitative component measures the student's cumulative grade point average (CGPA).

Consistent with the University's academic standing policy; undergraduate students must achieve the stated CGPA as follows:

- 1.60 CGPA after a minimum of 13 credits hours attempted.
- 1.75 CGPA after a minimum of 24 credit hours attempted.
- 1.85 CGPA after a minimum of 48 credit hours attempted.
- 2.0 CGPA after a minimum of 72 credit hours attempted.

Consistent with the general academic requirements of the Graduate School, graduate students must maintain a cumulative grade point average of at least 3.0 to retain their eligibility for financial aid.

SATISFACTORY ACADEMIC PROGRESS APPEAL PROCESS

A student notified of their failure to meet Satisfactory Academic Progress is no longer eligible for federal, state or institutional financial aid. The student may appeal for additional eligibility by completing a SAP appeal form. As part of the appeal the student must explain:

- Why they failed to make academic progress, and
- What has changed that will allow the student to make SAP during the upcoming academic year.

All appeals are submitted to the Office of Financial Aid and reviewed by a committee.

If an appeal is granted the student will be placed on a status of Financial Aid Probation and given an academic plan. The Probation status will last for one term. At the end of that term the student will again be evaluated to determine either:

- The student is now making SAP; or
- The student is making progress under the specified academic plan.

Grade Recomputation

A student can repeat a course and elect once to have the lower grade received for that course excluded from the grade point average. The following conditions apply:

1. All grades will remain on the official transcript. An explanation of this policy appears on the transcript;
2. The election of grade recomputation is not automatic. A student who fails to file the proper form will have all grades included in the CGPA;
3. Credit for course repeated is applicable only once toward the degree;
4. Any course may be repeated, subject to department policies restricting students from repeating an elementary course, once a more advanced course has been completed. No substitutions are allowed;
5. If a student officially withdraws from a course in which the grade computation option is made, the option becomes void.
6. A student may elect grade recomputation of a maximum of 16 credits;
7. A student electing grade recomputation must file a grade recomputation form with the Registrar, Hepburn Hall, Rm. 214;
8. This policy is not retroactive. Courses repeated prior to the effective date of this policy are not eligible for grade recomputation;
9. This policy does not apply to students who have graduated;
10. Course coded with plagiarism are excluded from the recomputation policy.

The recomputation form can be accessed at https://www.njcu.edu/directories/offices-centers/registrar/forms. (https://www.njcu.edu/directories/offices-centers/registrar/forms)

PLEASE NOTE: Veterans Administration education benefits are not payable for courses previously completed, unless the completed course has a grade of "F" and/or if the course has a minimum grade requirement for the student's major program of study. For additional information on the above policy or veterans affairs, please contact the Director of

Military & Veterans Services in Gilligan Student Union Building, Room 127, or call 201-200-3199.

Grading System

Grading System (p. 23)
Pass/Fail Options (p. 23)
Pass/Fail Procedure (p. 23)
Incomplete Grade (p. 23)
Incomplete Grade Procedures (p. 23)
Withdrawal Grades (p. 23)
Repeat (R) Grade (p. 23)
Grade Posted (p. 24)
Change of Grade (p. 24)
Grade Recomputation (p. 24)
Grade Point Average (p. 24)
Cumulative Grade Point Average (p. 24)

Grading System

The academic standing of each student is determined by the earned grade at the completion of each course. Each letter grade is assigned a value. The following grades and values are used at NJCU:

Pass/Fail Options
A student has the option of requesting a final grade of Pass or Fail (Pass/Fail) instead of a letter grade in the following course types:

- Elective
- General Education Program electives or,
- Academic minor course
- At the discretion of any department, certain courses within the major can be designated "Pass/Fail." Please speak to your major department.
- Departments can designate using the university designated form.

According to the following guidelines:

- The Pass/Fail option is limited to nine (9) total credits.
- No more than one (1) course per semester may be selected under this option.
- The Pass/Fail option is not available for All University Requirement courses.
- Pass/Fail evaluation is interpreted to mean a grade of "Pass" for satisfactory completion of course requirements and a grade of "Fail" for an unsatisfactory completion of course requirements.

Pass/Fail Procedure

1. The Pass/Fail option may be designated by the student only during the following timeframes in a given semester.
   - Spring deadline is April 15
   - Fall deadline is November 15
   - Summer and winter session in alignment with the final withdraw deadline as provided in the academic calendar (https://www.njcu.edu/directories/offices-centers/registrar/academic-calendars).
2. Each student must submit, to the Registrar's Office, a completed Pass/Fail form (https://www.njcu.edu/sites/default/files/pass_fail_request_form_11-22-16.pdf) designating his/her choice of the Course for P/F evaluation.
3. A student's election of a Pass/Fail grade may not be changed after the form is filed in the Registrar's Office.

IN (Incomplete) Grade
Used only in extraordinary circumstances, the "IN"grade grants an actively enrolled student further time to complete required course work. Used only when a student has missed class time or work due to unplanned absence but has been in touch with the instructor throughout the semester.

IN Procedure

1. A student may request an incomplete grade. Note: documentation is required based on the circumstance.
2. Faculty may recommend an incomplete grade to assist a student who has shown desire to complete the course under difficult circumstances.
3. An **Incomplete Grade Request Form** which is an agreement between student and faculty on scope of work and timeframe, must be filled out.
4. The Request Form should be signed by the faculty and student and forwarded to the Academic Program Dean's Office for final approval.
5. An email will be sent out to all parties once the agreement is finalized along with a copy of the form.
6. It is the responsibility of the student to complete the work and the responsibility of the course faculty to review and grade completed work.
7. In situations where the course faculty is not retained in the completion semester the responsibility falls to the department chair to ascertain the previous work and grade the course.

The deadline for a change of grade for an "IN" is last day of classes of the next semester.

- Fall course deadline is the last day of classes of the following Spring semester.
- Winter course deadline is the last day of classes of the Spring semester.
- Summer Course deadline is the last day of classes of the Fall semester.
- Spring course deadline is the last day of classes of the following Fall semester.

Incomplete grades that are not resolved by the deadline will automatically be converted to "FI" grade.

Withdrawal Grades
Students seeking to withdraw from a course during the Semester must complete an official Withdrawal Form, and submit to the Registrar's Office, either via email or in person at Hepburn Hall, Room 214.

- The withdrawal form can be found at the Registrar's Office (https://www.njcu.edu/directories/offices-centers/registrar/forms).
- Withdrawn course(s) will reflect a "W" grade on the transcript. No grade will be provided once a student files for a withdrawal.
- **Please go to the Withdraw Policy (p. 32) for more information on types of Withdrawals and Refunds.**

Repeat (R) Grade
Repeat grades are used under the following conditions.

- Only used for Academic Foundations courses
- Academic Foundation Courses (ENG 95, 96, Math 95)
- Students who demonstrate progress in a course but not sufficient progress to warrant a passing grade.
- Any student who receives an "R" grade must either repeat the course or demonstrate the ability to advance to the next level of course work through a supplemental program.
- Academic Foundation courses (catalog number less than 100) are not calculated in the grade point average or total number of credits earned.

Grade Posted
Final grades are posted to the transcript within three weeks following the last day of the semester. Grades can be accessed via GothicNet (https://gothicnet.njcu.edu/psp/psft/?cmd=login).

Change of Grade
Change of Grade is a faculty-initiated action should there be a correction that is required, or work is completed, and a higher grade is warranted.

- A Grade change form, must be submitted to the Registrar's Office prior to posting the degree. A Grade change will not be approved once the degree is posted.

Grade Recomputation
A student can repeat a course and have the lower grade received for that course excluded from the grade point average. Grade recomputation is automatically applied from the Registrar's Office. The following conditions apply:

- All grades will remain on the official transcript. An explanation of this policy appears on the transcript.
- Credit for course repeated is applicable only once toward the degree.
- A student may receive grade recomputation up to a maximum of 16 credits.
- This policy does not apply to students who have graduated.
- This policy is not retroactive. Courses repeated prior to the fall of 2014 require a form be submitted to the Registrar's Office.
- **Course coded with plagiarism are excluded from the recomputation policy.**

The recomputation form can be found on the Registrar's website (https://www.njcu.edu/directories/offices-centers/registrar/forms).

PLEASE NOTE: Veterans Administration education benefits are not payable for courses previously completed unless the completed course has a grade of "F" and/or if the course has a minimum grade requirement for the student's major program of study. For additional information on the above policy or veteran affairs, please contact the Office of Military & Veterans Services

Grade Point Average
Students earn points based on the letter grade with A = 4 and F = 0, in each course. The quality points are then multiplied by the number of credits that course carries to calculate the GPA each semester.

Example

Cumulative Grade Point Average
The Cumulative Grade Point Average (CGPA) reflects the total of all grades earned for all semesters. It is determined by dividing the total of all grade points by **the sum total** of all credit hours attempted.

Example

In the example above the student earned a 1.75 GPA based on 21 points. In the next semester the student earns a 2.6 GPA.

- Failing grades (F) impact the overall GPA negatively because a zero (0) point is averaged into the equation, not left off.
- The total number of credits earned can be found in the S.H.ERN (Semester Hours Earned) minus any developmental course credits. (developmental course are below 100 course numbers)

Graduate Courses Open to Undergraduate Seniors

Senior-year undergraduates are eligible for admission to 500-level courses, unless they cannot satisfy the special requirements for that course (see course descriptions within the current New Jersey City University Graduate Catalog). Such special requirements include, but are not limited to, completion of prerequisite courses, corequisites, attainment of minimum grades in certain courses or programs, and permission of the instructor.

Credits for undergraduate students in 500-level courses are applied in the following way:

1. Undergraduate credit: All credits for 500-level courses satisfactorily completed by an undergraduate student may be counted toward the 120 semester-hour requirements of a curriculum leading to a bachelor's degree;
2. Graduate credit: Excess credits earned beyond the 120 required for undergraduate degrees, earned with grades of "B" or better by undergraduate students in 500-level courses, may be considered for advanced standing (graduate credit) for students matriculated in graduate programs at New Jersey City University no later than seven years after receiving credits for these courses;
3. Graduate students may apply no more than nine credits of 500-level courses toward the fulfillment of master's degree program requirements.

Graduation and Certification Applications

A senior, eligible for graduation/certification, must complete the online "Intent To Graduate" form. To apply, log on to your GothicNet (https://gothicnet.njcu.edu/) and click on the Student Dashboard tab. Complete and submit form.

Seniors with an Education major/co-major cannot apply online. Please go to the Registrar's Office, Hepburn 214, to obtain the "Intent to Graduate" form and the certification packet. Follow instructions to complete and submit forms.

** A $75.00 per application non-refundable Graduation Clearance Fee will be charged to all students upon filing for graduation clearance. Your diploma will NOT be released if the graduation fee is due or if a balance is due to New Jersey City University.

Deadline Dates

May 15 to June 15: if the student expects to complete all requirements by the end of the Summer I or II Sessions. Transcripts and diplomas will be dated August 15, and diplomas will be available October 15.

August 1 to September 30: if the student expects to complete all requirements by the end of the fall semester. Transcripts and diplomas will be dated January 31, and diplomas will be available by March 15.

November 1 to January 15: if the student expects to complete all requirements by the end of the spring semester. Transcripts and diplomas will be dated the date of Commencement, and diplomas will be available by approximately July 15.

The Dean of Students will forward a letter during April to each graduating senior regarding participation in the May Commencement.

Students who are denied graduation clearance in a Spring semester because of six (6) or fewer missing credits are eligible to participate in Commencement proceedings upon registering for adequate summer-session courses to complete their program requirements.

NOTE: "Certification Only" Students must file an application for certification with the Certification Processing Office in Professional Studies Building, Room 203.

Guidelines and Procedures for Requiring Face-to-Face Final Examinations for Online Courses

INTRODUCTION AND STATEMENT OF PURPOSE
Faculty members are discouraged from requiring face#to#face examinations for online courses due to the fact that, by definition, online courses require no face#to#face course meetings. It is recognized, however, that in some disciplines and/or for specific courses, it may be necessary, in rare circumstances, to require students to come to campus or to an off#campus location to sit for a face#to#face final examination. The following guidelines will apply when a face#to#face final examination is deemed necessary for an online course.

POLICY

On#Campus Examinations
Students can only be required to sit for a final examination for an online course when such examinations have been properly scheduled with the University Registrar's Office and appropriately announced in the Master Course List and/or GothicNet portal prior to course registration. Information for face#to#face examinations must be submitted to the Registrar's

Office at the time class is scheduled. Due to scheduling constraints on the NJCU campus, it may be necessary for the final examination to be scheduled on a Friday evening, Sunday or other time when classroom space is available. Online students, who live less than approximately 90 miles from campus as validated by the student's permanent address in PeopleSoft, will be required to come to the New Jersey City University campus to take a final examination for a specific online course that has been scheduled according to the guidelines established by the University Registrar. Exceptions will be made for students who live more than approximately 90 miles from the NJCU campus. Students should discuss such exceptions with their faculty member who will provide test#taking accommodations or alternatives.

Online students who are enrolled at the Communiversity in Wall Township or at Harborside in Jersey City will take face#to#face examinations at those locations rather than coming to the NJCU campus. The professor will provide Communiversity and Harborside students with information about examination locations. Penalties for cheating, plagiarism and other acts of academic dishonesty during online test taking will be addressed according to the guidelines set forth in NJCU's Academic Integrity Policy. See: https://catalog.njcu.edu/undergraduate/academic-requirements-policies-procedures/academic-integrity/

Students with a Documented Disability
Students with a documented disability who require testing accommodations must register with the Office of Specialized Services for Students with Disabilities (OSS). Students are required to submit appropriate and recent documentation of their disabilities to the Director of the OSS.
Documentation guidelines are outlined on the OSS website: https://www.njcu.edu/directories/offices-centers/office-specialized-services-and-supplemental-instruction
For further information, contact Jennifer Aitken, Director, Office of Specialized Services at 201#200#2557 or via e#mail at: jaitken@njcu.edu

DATE TO INITIATE REVIEW AND UPDATE
As deemed necessary or appropriate by the Policy Coordinator but at a minimum, at least every 5 years from the effective date.

Independent Study

Independent Study courses consist of projects that are problem-centered and action-research oriented and may be undertaken on a variable-credit basis. Undergraduates are limited to a maximum six credits of Independent Study courses as part of their four-year degree programs.

Major Requirements

All students must complete a major program of at least 36 credits, as determined by the department administering the program.

Students majoring in an approved program should consult the chairperson for specific courses and requirements. Also, students interested in Teacher Education programs should consult with the appropriate chairperson to obtain specific courses and requirements.

Mid-Semester Progress Report

Mid-semester progress reports are sent to students during the Fall and Spring semesters solely for the purpose of notifying students of their academic progress to date. Mid-semester progress reports are not official academic records of the University, and are not made available to anyone other than the students to whom they are addressed. A passing or failing progress report does not guarantee a similar grade in a course. However, an unsatisfactory progress report should be taken as a warning that the student is in jeopardy of failing the course.

Minimum Grade Point Average in Major

In addition to a minimum cumulative grade point average (CGPA) of 2.0 for all course work attempted at this institution, students must achieve at least a 2.0 CGPA in their major programs of study to qualify for graduation. Some programs have higher requirements.

Non-Classified Study

Students interested in taking courses on a part-time basis for personal or professional enrichment may choose from a broad range of classes offered. Such students will register as non-classified students and need to submit:

1. An application for admission to part-time study;
2. An official high school/college transcript of work completed or a photocopy of a GED diploma with official GED scores.

Students admitted on a part-time, non-classified basis will not be considered eligible for federal or state financial aid.

Pass/Fail Options

A student has the option of requesting a final grade of Pass or Fail (Pass/Fail) instead of a letter grade in an elective, General Education Program elective, or academic minor course, according to the following guidelines:

1. The Pass/Fail option is limited to nine (9) total credits;
2. No more than one (1) course per semester may be elected under this option;
3. Pass/Fail evaluation is interpreted to mean a grade of "Pass" for satisfactory completion of course requirements and a grade of "Fail" for an unsatisfactory completion of course requirements. When the "Pass" grade is given, the credits assigned to the course are indicated as earned, but the student's cumulative grade point average (CGPA) remains unaffected. A "Fail" grade negatively affects the CGPA.

An elective is interpreted to mean any course outside the major not specifically required in the student's program. At the discretion of a department, certain courses within its major field can be designated "Pass/Fail."

The Pass/Fail option may be designated by the student only during the first five days of class following the add/drop period in a regular semester, and the first four days of classes following the add/drop period of each summer session. Each student must submit, to the Registrar's Office, a completed Pass/Fail form designating his/her choice of Pass/Fail evaluation. One copy of this form remains with the Registrar's Office and one is given to the student. The Pass/Fail option is not available for All University Requirement courses. A student's election of a Pass/Fail grade may not be changed after the form is filed in the Registrar's Office.

Pass/Fail forms are available on a table located in the hallway opposite the Registrar's Office Service Window, Hepburn Hall, Room 214. Forms may be submitted at the service window during office hours or through the door mail slot after office hours. Students may request a final grade of PASS or FAIL instead of a letter grade in an elective, non-major, general studies (not an AUR or core course), or academic minor course. The Pass/Fail Option is limited to nine credits and no more than one course per semester. A grade of "Pass" is given for satisfactory completion of course requirements and a grade of "Fail" for unsatisfactory completion of course requirements. When the "Pass" grade is achieved, the credits assigned to a course are indicated as earned but the student's cumulative grade point average (CGPA) remains unaffected. Only the grade of "F" negatively affects the cumulative average. Students must complete a Pass/Fail form at the Registrar's Office, Hepburn Hall, Room 214.

An elective is any course outside the major and not specifically required in the student's program. At the discretion of any department, certain courses within the major field can be designated "Pass/Fail." The Pass/Fail option may be exercised following the add-drop period. The deadline to apply for P/F option: Fall semester is November 1, Spring Semester is April 1, mid-semester for summer.

Prior Learning Credits

What is Prior Learning Credit (PLC)?

New Jersey City University values the diversity of its student body, recognizing the importance of their previous academic achievements, life experiences, and work history. Our Prior Learning Credit program offers students the opportunity to gain college-level credits for their relevant knowledge and skills.

New Jersey City University accepts up to **45 prior learning credits (PLC)** as outlined in our policy below. Areas of PLC include, but are not limited to, external exams, professional training, licenses or certifications, academy credits, continuing education, internal challenge exams, and portfolio assessments.

Limitations and Restrictions

- The maximum total number of credits a student may earn from all forms of Prior Learning Credits is 45 credits.
- The maximum number of Examination and Certification credits is 45 credits.
- The maximum number of Portfolio review credits is 30 credits.
- Only courses from the pre-approved Course Equivalency Guide are eligible to be awarded credit through Prior Learning Credits. Please see the section below for further information.
- Courses that contain lab co-requisites are eligible to be awarded upon approval of the appropriate department chair. The student learning outcomes must be sufficiently satisfied based on the artifacts submitted.
- No credits are awarded for courses in progress, already completed or graded on the NJCU transcript or transfer evaluation. Some exceptions may be applied, please contact the Transfer Resource Center for more information.
- Prior Learning Credits do not impact a student's GPA and/or residency requirements of the university or major department.
- Prior Learning Credits are awarded as transfer credits.
- All documentation, certifications, licenses, work experience, must be from within the last 10 years to be considered for credit eligibility.
- Regardless of the number of credits earned through Prior Learning Credits, a student is still required to complete their General Education Program and Major course requirements to graduate.
- Only active, degree-seeking students are eligible for prior learning credits
- Prior Learning Credits will not appear on transcripts until after the completion of one full semester at NJCU.

Course Equivalency Guide

For the full Course Equivalency guide, please refer to the Transfer Resource Center's Prior Learning Credit website (https://www.njcu.edu/admissions-aid/undergraduate-admissions/transfer-applicant/transfer-resource-center/prior-learning-credits) for information on courses that are available for each of the different types of prior learning credits. Only courses from this list can be considered to be awarded through Prior Learning Credits.

More information can be found on the Transfer Resource Center (https://www.njcu.edu/trc) website and the page for Prior Learning Credits

(https://www.njcu.edu/admissions-aid/undergraduate-admissions/transfer-applicant/transfer-resource-center/prior-learning-credits). Or, by emailing the Transfer Resource Center (Transfer@njcu.edu).

Types of Prior Learning Credits

Portfolio Assessment

What is a portfolio Assessment?

A Portfolio Assessment allows a student to demonstrate knowledge and skills equal to the learning outcomes of a specific course that is part of their general education, major program, or general elective credits towards the competition of their degree.

International documentation that would require official translation services must use World Education Services (WES) and submit translated documentation for consideration.

Some examples of prior work and life experience that may be considered, but not limited to, are the following:

- full- or part-time jobs
- training or awards
- volunteer work
- cultural and artistic pursuits/portfolios
- community service
- military service (outside of the Military transcript)
- education from non-traditional source
- organizational memberships

Please see the appropriate procedure section below for all requirements needed for a portfolio assessment.

Examinations

All official documents and/or official scores must be requested from an appropriate examination agency and be sent directly to The Transfer Resource Center. Official documents/transcripts must be received to award credits.

- All CLEP and AP scores are requested through College Board (ID Code is 2516)
  - CLEP - Credit is awarded for all exams passed with a minimum score of 50. Depending on the exam there may be additional scoring requirements for higher amounts of credits. Please see the CLEP Exam Equivalency Guide (https://www.njcu.edu/sites/default/files/docs/2024-03/CLEP%20Allocation_2024.pdf) for full information.
  - AP - Credit is awarded for exams passed with a score of 3 or above. Please see the AP Exam Equivalency Guide (https://www.njcu.edu/sites/default/files/docs/2024-03/AP%20Score%20Equivalency_2024.pdf) for full information.
- ACTFL exam certifications must be ordered and sent directly to the Transfer Resource Center by following the ACTFL Registration Guide. (https://www.njcu.edu/sites/default/files/docs/2024-03/ACTFL-Registration-Guide-Official.pdf)
  - Credit is awarded for exams passing with a minimum of Intermediate Low (3 credits) and can range upwards of 12 credits with a Superior rating. A full list of ACTFL ratings and their equivalencies can be found on the Transfer Resource Center website. Every language offered within ACTFL can be accepted as either direct equivalencies, where applicable, or LANG elective credits that will go towards the completion of a student's degree.
- New York University (NYU) Language Proficiency Exam
  - Credit is awarded based on official examination results from the NYU Language Proficiency Exam Office.
- Department of Defense Standardized Test (DSST):
  - Credit is awarded based on American Council on Education credit recommendations.
- International Baccalaureate (IB)
  - Courses completed on a Higher Level (HL) with a minimum score of 5 are eligible to be awarded transfer credit. Students must submit an official transcript for an evaluation to be completed.
- Cambridge International
  - Up to one year's credit is awarded for A level exams successfully passed with a grade of C or above. Credit is not awarded for Advanced Subsidiary (AS) level or Ordinary (O) level or IGSCE exams. Students must submit an official transcript for an evaluation to be completed.

Certifications

Students looking to receive credit for certificate completion must provide copies of certificates and any other documents to the Transfer Resource Center for review.

- Credits earned from certifications range from 3 or more college-level credits.
- Students who hold non-English certifications, licenses, or similar from another country must submit their documentation to WES or another official translation service to be accepted for consideration for college-level credits.

For a list of all known, but not limited to, accepted certifications and what they will award see the Prior Learning Credit website.

Military

- Students are required to submit a Joint Services transcript, or Form DD295, DD214.
- Credits allowed will be based on recommendations of the American Council on Education (ACE) and National College Credit Recommendation Services (National CCRS, formerly National PONSI) and will correspond to subject areas offered at the University.
- Joint Service transcripts must be submitted to the Undergraduate Admissions Office (admissions@njcu.edu) as well as the Military & Veterans Services office.

Procedures for each form of PLC:

Examinations

Step 1: Reach out to Transfer Resource Center to confirm your eligibility by providing your Gothic ID number and full name

This will confirm:

- if you are eligible for additional transfer credits and/or prior learning credits
- if you are eligible for specific courses that would be awarded from the designated prior learning credit modality
- what are the requirements/minimum scores needed to be considered to earn credits.

Step 2: Submit all documentation/official transcripts/official scores to Transfer Resource Center

- Examinations: All official exam scores must be requested from appropriate examination proctor and sent directly to the Transfer Resource Center. All CLEP and AP scores are requested through College Board (ID Code is 2516).
- ACTFL exam certifications must be ordered and sent directly to the Transfer Resource Center. Please refer to the ACTFL Registration Guide on the Transfer Resource Center's Prior Learning Credit website (add website link) for additional information.

Certifications

Step 1: Apply for Prior Learning Credits

- Fill out the Prior Learning Assessment Form (https://www.njcu.edu/sites/default/files/docs/2024-03/Prior%20Learning%20Assessment%20Form.pdf) found here or on the Transfer Resource Center website.

During the Spring semester only, if a student has applied for graduation clearance, then the Graduation Clearance Office must be notified at the initiation of the process for potential PLC competition.

Step 2: Submit all documentation to Transfer Resource Center

- Certifications must be sent directly to the Transfer Resource Center for review.

Step 3: Departmental Review

The Transfer Resource Center will send your certifications to the appropriate department chair for review and will include all appropriate materials.

- Please allow up to 2-3 weeks for review by the appropriate department chair.

Step 4: Processing Potential Credits

- The department chair will return a signed form to the Transfer Resource Center.
- The Transfer Resource Center will process these requests within 24-48 hours if approved.
- The Transfer Resource Center will contact the student via NJCU email of the request's results. A copy of the Prior Learning Assessment Form will be attached.
  - The Department Chair and Dean's office will be copied on the communication.

Portfolio Review

Step 1: Apply for Prior Learning Credits

- Fill out the Prior Learning Assessment Form (https://www.njcu.edu/sites/default/files/docs/2024-03/Prior%20Learning%20Assessment%20Form.pdf) found here or on the Transfer Resource Center website.

During the Spring semester only, if a student has applied for graduation clearance, then the Graduation Clearence Office must be notified at the initiation of the process for potential PLC competition. For Spring graduate candidates, please submit all portfolio requests by February 1st at the latest to avoid any complications with being approved for graduation clearance. Exceptions can be made where applicable.

Step 2: Portfolio Review Fees

- Portfolio Review fees, if any, must be paid before submitting documentation or review by the department.
- Contact the Transfer Resource Center to learn of any applicable fees.
- Portfolio fees are non-refundable whether credit is granted or not.

Step 3: Build your Portfolio

To be considered for a Portfolio Review, please submit the following documents in one of the following appropriate formats, PDF, Word, Excel, PowerPoint, JPEG, PNG, MP4, any current video file format. Please ensure that all artifacts are accessible to be considered for review.

- Cover Letter/Introduction: Brief overview and purpose of the portfolio.
- Table of Contents: Organized listing of portfolio sections.
- Resume/CV: Detailed professional and academic background.
- Learning Narrative/Autobiographical Essay: Description of learning experiences.
- Course Match Documentation: Explanation of how prior learning meets course requirements.
- Evidence of Learning: Work samples, certificates, and letters of verification.
- Reflections on Learning: Reflective essays or journals on learning experiences.
- Appendices: Additional supporting materials.
- Human Resources officer's verification of employment, verification of employment dates, and verification that employment was completed at a satisfactory performance level (performance reviews, etc.)

Step 4: Departmental Review

The Transfer Resource Center will send your portfolio to the appropriate department chair for review and include all appropriate materials.

- Please allow up to 2-3 weeks for review by the appropriate department chair.

Step 5: Processing Potential Credits

- The department chair will return a signed form to the Transfer Resource Center.
- The Transfer Resource Center will process these requests within 5 days if approved.
- The Transfer Resource Center will contact the student via NJCU email of the request's results. A copy of the Prior Learning Assessment Form will be attached.
  - The Department Chair and Dean's office will be copied on the communication.

Policy Review

- Departments should review course equivalencies every 3 years.
- University policy review every 5 years.

Reasonable Accommodation Grievance Procedure for Students with Disabilities

NJCU is dedicated to providing reasonable accommodations and academic adjustments to ensure that qualified individuals can fully participate in programs, activities, and employment.

Under Section 504 of the Rehabilitation Act of 1973 ("Section 504"), NJCU is required to:

1. **Modify academic requirements** unless they are essential to the instruction or related licensing requirements.
2. ***Ensure course examinations are fully accessible to students.***
3. **Take steps to prevent exclusion or discrimination** of qualified students due to the absence of educational auxiliary aids.
4. **Ensure no rules limit the participation** of students with disabilities in any educational program or activity.

Students seeking accommodations or academic adjustments should contact the Office of Specialized Services, Office of Specialized Services and Supplemental Instruction | New Jersey City University (njcu.edu) (https://www.njcu.edu/directories/offices-centers/office-specialized-services-and-supplemental-instruction)

The Equal Employment Opportunity Office handles appeals of accommodation/academic adjustment decisions made by the Office of Specialized Services and investigates complaints of disability discrimination. Equal Employment Opportunity | New Jersey City University (njcu.edu) (https://www.njcu.edu/directories/offices-centers/equal-employment-opportunity)

Repeated Courses

A student must repeat a course he/she has failed if the specific course is required for graduation. When a course is repeated, both the original course and grade and the subsequent course and grade are reflected on the transcript, but the credits are counted only once toward the degree requirements. Students may elect to exclude the lower grade of a repeated course from the computation of their cumulative grade point average (CGPA) by filing a Grade Recomputation form in the Registrar's Office.

Second Baccalaureate Degree

ADMISSION TO DEGREE PROGRAM
A candidate with a bachelor's degree from a college recognized by an American accrediting agency may apply for admission to New Jersey City University for a second baccalaureate degree.

DEGREE REQUIREMENTS
A second baccalaureate degree may be earned by meeting all of the following requirements:

1. A minimum of 30 credits in residence toward the new degree.

2. Completion of an approved major program, as determined and evaluated by the major program department. Credits earned at each institution previously attended are evaluated for applicability to the new degree by the department chairperson;

3. AUR and General Education Program Requirements:

   a. For a graduate of New Jersey City University or another institution recognized by American accrediting agencies, the record(s) is accepted as having satisfied New Jersey City University AUR and General Studies Program area requirements;

   b. For a graduate of a foreign or a non-accredited American institution, the record is evaluated by appropriate evaluating agencies, including departmental evaluations, on a course-by-course basis for applicability to the degree. A transfer evaluator in the Transfer Resource Center determines the accreditation status of the institution(s) previously attended and the appropriate evaluating agencies and procedures.

   A graduate of a foreign or non-accredited American higher education institution who has not completed courses that satisfy the AUR and General Education Program area requirements, as evaluated by the Transfer Resource Center and/or appropriate department(s), is required to complete this work to receive a second baccalaureate degree;

4. Completion of a minimum of 120 credits, including total credits transferred from the institution(s) attended;

5. Attainment of a final CGPA of 2.0.

Second Major After Graduation

A graduate of New Jersey City University or another higher education institution accredited by an American accrediting agency may register for additional undergraduate study to pursue an additional, approved undergraduate major. The student must be formally admitted to the University and approved for the major by the Academic Advisement Office and the respective department. The requirements for completion of each major are specified by the individual departments, and the student must maintain a minimum cumulative grade point average (CGPA) of 2.0.

Satisfactory completion of the additional major is noted on the student's permanent record, based on endorsement by the major department.

Time Limits on Credits and Degree Completion

Individual departments may limit the application of certain coursework and transfer credits toward degree requirements, based on the number of years that have passed since the courses and credits were earned. For instance, many departments do not apply coursework or accept transfer credits that are more than ten years old toward their degree requirements. In certain cases, New Jersey state regulations or accreditation guidelines may impose similar limitations. Students may request waivers of the time limitations on the application and transfer of credits toward degree requirements from their major departments. Limitations established by the State of New Jersey or by accrediting agencies are not subject to being waived. Students should consult with their major program departments to determine if any of their coursework or transfer credits are subject to time limitations for application toward their degree requirements.

Similarly, academic major departments may impose limits on the number of years students may take in completing their degree programs, with ten years often being the adopted guideline. Students should consult with their major program departments to determine if they are subject

to limitations on the amount of time they are allowed to complete their degree programs.

Transcripts

To request a transcript, a student or graduate has three options:

1. In person: Complete a form at the Registrar's Office, Hepburn Hall Room 214
2. By mail: Send a signed letter to

```
Registrar's Office
Attn: Transcripts
New Jersey City University
2039 Kennedy Blvd.
Jersey City, NJ 07305-1597
```

3. Online: https://www.njcu.edu/directories/offices-centers/registrar/transcript-requests

Students may request separate undergraduate and graduate transcripts, but no portion of the undergraduate or graduate transcript record may be deleted. Procedures for the issuance of transcripts are governed by the provisions of the Family Educational Rights and Privacy Act of 1974 (FERPA) as amended (Final Regulations, 41 Fed. Reg. 24662 399.33).

Transcripts are prepared by the Registrar's Office in accordance with the policies of the American Association of Collegiate Registrars and Officers of Admission. Where New Jersey City University transcripts show credits hours earned at other institutions, the official transcripts of those institutions have become part of the student's permanent file in the Registrar's Office. New Jersey City University does not make copies of other institutions' transcripts. To obtain transcripts from institutions other than New Jersey City University, students must contact the other institutions directly.

Transcripts should be requested at least ten days prior to the time needed. No transcript shall be granted to any student or sent to a specified organization until all fees have been paid and other University obligations have been met. The Registrar's Office has the right to deny a transcript request from any student who abuses this service.

Effective January 1, 2012, the University will not issue an official transcript if a student owes a past due balance on a student account or has defaulted on repayment of a student loan.

A one-time transcript fee of $25.00 will be charged to all new students. Regular transcript requests are limited to ten annually. Regular service is provided within four working days. A one-hour transcript service is available weekdays until 4:00 p.m. for a $10.00 processing fee.

Undergraduate Academic Standing

Each student's academic standing is determined by the student's cumulative grade point average (CGPA; See Cumulative Grade Point Average (https://catalog.njcu.edu/undergraduate/academic-requirements-policies-procedures/cumulative-grade-point-average/)). Failure to maintain a minimum CGPA according to the established regulations will result in an academic warning, probation, suspension, or dismissal from the University.

The minimum cumulative grade point average required by the University is 2.0 unless a higher minimum cumulative grade point average is required by a specific major or academic program and published in the university catalog.

Academic Standing will be reviewed at the end of each academic term, including the completion of summer term. A student who fails to meet the required academic standards will be notified and may be placed on one of the following.

Academic Warning

- Insignificant academic progress resulting in low CGPA for one or more semesters.
- Depending upon the student's cumulative grade point average at the end of the academic term, the Office of the Provost may implement additional sanctions (i.e., probation, suspension, and/or dismissal).

Academic Probation

- A student will be placed on probation following the semester the student's CGPA falls below the minimum cumulative grade point average required by the University or enrolled major/ academic program.
- A student on probation cannot enroll for more than 13 credits during the following semester(s) or maximum of one course per summer session.
- A student will have a maximum of two consecutive semesters to bring up their CGPA.

Academic Suspension

- A student who has been on probation for two consecutive semesters or holds a cumulative grade point average lower than the minimum required by the University or declared major/academic program may be suspended.

Academic Dismissal

- A student may be dismissed from the University if their academic progress does not improve, or remains on probation over consecutive semesters, or holds a cumulative grade point average lower than the minimum required by the University or declared major/academic program.

Appeals Procedures

- Students under academic suspension or dismissal may appeal the classification within two weeks of receipt of the official notice by completing an appeal letter.
- The Academic Appeals Committee will review the submitted appeal form and any submitted materials and make a recommendation to the Assistant Provost for Student Success and Retention or their designee.
- The Assistant Provost for Student Success and Retention or designee will review the decision made by the committee and issue a memo of support or non-support to the Provost and Sr. Vice President for Academic Affairs
- A final decision will be made by the Provost and Sr. Vice President of Academic affairs and/or their designee.
- The student will be notified through their personal and NJCU emails.

Returning to NJCU

A student who does not appeal or is not granted an appeal to remain at the University can seek readmission under the following conditions.

- Enroll in another higher education institution for a minimum of two semesters, including summer.
  - Consult with an NJCU academic advisor to transfer credits back to NJCU.

Or,

- Earn an associate degree at a community college.
- Maintain the minimum cumulative grade point average as required by the University and declared major/academic program or other NJCU readmission policy.
- Complete an application for readmissions, online (https://www.njcu.edu/admissions-aid/undergraduate-admissions/application-process-readmit-student).
- Have all transcripts sent to admissions.

Any student who is conditionally readmitted to the university after separation will reenter with their previous CGPA and be required to adhere to the following requirements:

- Maintain a minimum cumulative grade point average required by the university or the specific major/academic program.
- Enroll in no more than 13 credits for the Fall/Spring semesters and no more than 3 credits per summer term without permission from an academic Dean or Provost.
- Conduct academic advisement each semester in-person.
- Enroll in no more than 2 online courses (Hybrid, Fully Remote, Hyflex) without academic Dean or Provost permission.
- Agree to enroll in and attend academic support/success programs as required by the institution.
- Adhere to additional enrollment requirements as outlined within the notice of readmission.
- Upon conditional readmission to NJCU student cannot remain on probation for more than two semesters.

A reinstated student who does not maintain a minimum semester or cumulative grade point average as required by the declared major, can be dismissed for a final time.

Undergraduate Second Degree Policy

INTRODUCTION AND STATEMENT OF PURPOSE
This policy outlines university guidelines as they relate to an undergraduate second degree.

POLICY

Students who have already completed an undergraduate degree may complete a second undergraduate degree. The minimum number of credits required for a second undergraduate degree is 30 credits. All requirements for the major must be satisfied.

DATE TO INITIATE REVIEW AND UPDATE
As deemed necessary or appropriate by the Policy Coordinator but at a minimum, at least every 5 years from the date of last review.

Visiting Students

NJCU has exchange agreements with many universities around the world. Students from these partner universities who wish to come to NJCU as visiting students should take the following steps:

1. Meet with your home university advisor to confirm that you are eligible to participate in an exchange.
2. Once confirmed, prepare the online Exchange Student Data Form (https://njcu.co1.qualtrics.com/jfe/form/SV_28ZiD8IV0EHxmF7).
3. Course descriptions and class schedules are available HERE. (https://www.njcu.edu/directories/offices-centers/registrar/academic-catalogs-semester-information)
4. Submit a copy of your university transcript by email to internationalstudents@njcu.edu.
5. If English is not the language of instruction at your university, submit a copy of TOEFL or IELTS scores by email to internationalstudents@njcu.edu. Click here (https://www.njcu.edu/admissions-aid/international-students/requirements-and-rules/english-proficiency-requirements) for English proficiency requirements.
6. Submit proof of funding.

Costs for exchange students vary depending upon the agreement between universities. Some students are responsible for resident tuition, but others have tuition waived. Please contact the Office of International Programs to confirm if your tuition is waived. Sponsors should prepare the Affidavit of Sponsorship and provide documentation of financial resources [bank statements or statement of income]. Submit proof of financial support by email to internationalstudents@njcu.edu.

INSURANCE REQUIREMENT

Exchange Visitors with J-1 visas are required to have health insurance that meets standards set out by the US State Department for the duration of their visit to the United States. An exchange visitor's program will be terminated if they do not maintain insurance. Insurance may be purchased in the home country or in the US. Proof of insurance is required within 30 days of the start of the exchange visitor's program. Insurance coverage must contain:

- Medical benefits of at least $100,000 per accident or illness;
- Repatriation of remains in the amount of $25,000;
- Medical evacuation coverage in the amount of $50,000; and
- Deductibles not to exceed $500 per accident or illness.

Once we have received your documents, we will send you a form **DS2019** and information on applying for a J1 visa.

DURING THE FALL AND SPRING SEMESTERS, a formal application to NJCU is not required for visiting students. Visiting students present to NJCU Registrar an authorized permission letter from the university he or she is attending
listing the course titles.

DURING THE SUMMER SESSIONS, formal application to New Jersey City University is not required for visiting students. The visiting student presents to the Registrar:
1. an authorized permission letter from the university he or she is attending listing the course titles.
2. a copy of a university transcript, or
3. a photostat of the student's high school diploma.

Graduating high school seniors must submit a signed letter from their high school certifying their status as a senior
and their expected graduation date.

```
GRADES FOR VISITING STUDENTS
Grades will be posted to the official transcript three weeks after
 the last day of the semester.
Visiting students may request an official transcripts be sent to
 the University of their choice by writing to:
```

```
Transcripts c/o Registrar's Office
New Jersey City University, 2039
Kennedy Blvd., Jersey City, N.J. 07305
```

FINANCIAL AID FOR VISITING STUDENTS
A visiting student cannot receive financial aid from New Jersey City University. Visiting students should check with their college or university's financial aid office about a consortium agreement with NJCU for purposes of the student's enrollment at NJCU. All requests for these agreements are reviewed and processed by the Financial Aid Offices at each institution. Supporting statements indicating that these courses will be credited toward the student's degree requirements must also be submitted to the home school.

Withdrawing from a Class

Academic Foundation and All University Requirement Courses

Students cannot withdraw from Academic Foundation Courses and All University Requirement Courses (General Education Required Courses in Mathematics and English) without the approval of an advisor in the University Advisement Center (UAC). To request a withdraw or switch course sections please contact the UAC (https://www.njcu.edu/academics/academic-success-resources/university-advisement-center).

Withdrawing During the Academic Semester

- Students seeking to withdraw from a course during the Semester must complete an official Withdrawal Form (https://www.njcu.edu/sites/default/files/docs/2021-10/WITHDRAWAL_REQUEST_FORM_10-4-21.pdf), and submit it to the Registrar's Office, either via email or in person at Hepburn Hall, Room 214.
- Withdrawn course(s) will reflect a "W" grade on the transcript. No other grade will be provided once a student files for a withdrawal.

Refunds

Students will receive a 50% refund of applicable tuition and fees for each credit below 12 credits through the first quarter of each semester. Withdrawn courses(s) after the first quarter will receive a "W" grade on the transcript and the student will not be entitled to any refund.

Final Withdrawal Dates

Withdrawal dates for each semester are published by the Registrar and available online at https://www.njcu.edu/academics/academic-calendar

Late Withdrawal

After the withdrawal deadline, a student may no longer receive a "W" grade except in an extraordinary situation and only with the written authorization of the appropriate academic dean.

Request for appeal of the deadline must be made in writing and must be accompanied by appropriate documentation about circumstances that prevented the student from withdrawing within the required time limits. The academic dean will either grant or deny the "W" grade. See the policy on **Extended Absences**

Voluntary Withdrawals

- It is recommended students seeking to fully withdraw contact the Dean of Students (deanofstudents@njcu.edu) for consultation prior to withdrawing.
- Students who voluntarily withdraw from the University will be automatically withdrawn from all enrolled courses.
- The Dean of Students Office will process the withdrawal.
- The withdrawal will show as a W on the student's transcript.

Medical Withdrawals

Medical withdrawal is to be reported by the student or his/her responsible designee to the Dean of Students Office.

- Students who medically withdraw from the University will be automatically withdrawn from all enrolled courses.
- The Dean of Students office will process the withdrawal.
- The withdrawal will show as a W on the student's transcript.

Administrative Withdrawal

The University reserves the right to administratively withdraw or deny registration to any student for reasons including, but not limited to, the following:

- The student fails to comply with institutional policies and procedures.
- A student accepts but does not enroll in classes, or does not attend classes, or receives multiple F grades.

The Registrar's office will process the withdrawal, and the withdrawal will show as a WA on the students' transcript.

Non-Attendance Withdrawal

A student who begins the semester but stops attending or does not submit assignments can be assigned a WU grade by the instructor of record. To receive a WU grade, the following must obtain:

- The student participated at least once in an academically related activity.
- The student stopped attending class after the Financial Aid certification deadline.

The withdrawal will show as a WU on the student's transcript.

Withdrawal Forms

- Download the withdrawal form (https://www.njcu.edu/sites/default/files/docs/2021-10/WITHDRAWAL_REQUEST_FORM_10-4-21.pdf)

William J. Maxwell College of Arts and Sciences

George Karnoutsos Arts and Sciences Hall, Room 605
201-200-3001

Dr. Scott Mittman, (SMITTMAN@njcu.edu) Interim Dean

Dr. Amparo Fabra (https://catalog.njcu.edu/undergraduate/arts-sciences/dfabracre@njcu.edu), Interim Associate Dean for the Humanities, Arts and Social Sciences

Dr. Frédéric Mynard, Interim Associate Dean of STEM and Psychology

Sarah Ambrose-Roman (sroman1@njcu.edu), Executive Assistant to the Dean, Student Affairs

Paul Robertson, Finance and Operations Manager

Cheryl Moore (mailto:cmoore2@njcu.edu), Administrative Assistant

The William J. Maxwell College of Arts and Sciences (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences) is a community of teachers and learners committed to cultivating the life of the mind and engendering a passion for knowledge. Seeking to help students achieve their personal academic and career goals, the William J. Maxwell College of Arts and Sciences provides an intellectual setting for the development of scholarship, creativity, and the fundamental cross- and interdisciplinary skills that are the hallmark of a liberal education. In our general education program students have the opportunity to develop the breadth and depth of their knowledge across the arts, humanities, natural sciences, and social sciences. Through our broad range of academic majors and minors, students pursue in-depth studies and professional learning opportunities in their disciplinary areas of interest. The faculty of the college, committed to nurturing the whole person and motivated by a love for lifelong learning and a desire to impart this to our students, are devoted to their own ongoing formation as teachers and scholars both within and across their disciplines. Central to the mission of the William J. Maxwell College of Arts and Sciences is our commitment to service, leadership, tolerance, ethics, citizenship, and mutual respect. Through our commitment to these core values, we make visible our recognition of the value of diversity in all its richness as the real-life classroom for today's world citizen.

The Liberal Arts

The basic task of education is to make one's journey through life meaningful. This is accomplished by passing on to succeeding generations the accumulated thoughts, values, and insights of culture and learning, including accomplishments in art, history, language, literature, music, and philosophy—studies which are referred to collectively as the humanities. Education also encompasses scientific questions about the nature of the universe and life on this planet as well as the kinds of people and societies that find such questions important in the first place. These are the focus of studies in the natural and social sciences.

All of this describes the "liberal arts"—the intellectual foundation of a university. That foundation is not viewed as something that is immutable and permanent any more than the bricks and mortar that comprise the buildings and classrooms are. Indeed, learning and critical thinking creates change and the development of new ideas. Being ready to participate in this exciting and ongoing process is a fundamental educational goal of the general education, disciplinary, and interdisciplinary curriculum at New Jersey City University.

The William J. Maxwell College of Arts and Sciences offers students a broad foundation in the liberal arts through the general education program and its disciplinary and interdisciplinary majors and minors. These courses of study will prepare students for meaningful careers in a variety of areas. For those students interested in pursuing a course of study that will lead to professional careers, achievement in the liberal arts contributes to the realization of their goals.

Interdisciplinary Studies

William J. Maxwell College of Arts and Sciences
George Karnoutsos Arts and Sciences Hall, Room 605
201-200-3001

Interdisciplinary Studies (INTD)

INTD 180 Computer Tools For Science and Mathematics (3 Credits)
This course offers an introduction to the use of such applications as Derive, Converge, Geometer's Sketchpad, Matlab, Maple, Scientific Workplace, and Microsoft Office. Students majoring in mathematics or the natural sciences should consult their departments to determine if this course is required or recommended for their degree track. Note: This course does not substitute for INTD 120 Computer as a Tool.

INTD 400 International Education (16 Credits)
Study abroad program.

INTD 401 International Education (12 Credits)
Study abroad program with "provider". Billing units set to "0" at NJCU. Student pays provider. As of 12/17/2013, it was agreed that billing units will no longer be changed to "0".

Gender, Africana, and Latin American Studies

The Gender, Africana, and Latin American Studies Department

Karnoutsos Hall, Room 505
201-200-3251

The Department of Gender, Africana, and Latin American Studies offers the ability to study ethnicity, race, gender, sexuality, culture, power and resistance through an intersectional framework. Through our programs, students explore the diverse histories, identities, and experiences of people from Africa, Latin America, the Caribbean, and the United States, as well as the fluid nature of gender and sexuality across time and space. We encourage students to know their history, communicate across differences, think critically about systems of oppression, and to work towards social justice. Our curriculum challenges dominant narratives and amplifies marginalized voices. Majoring or minoring in our programs equips students with crucial analytical skills that are necessary for 21st century jobs (eg. critical thinking, problem-solving, writing and oral communication, project management, collaboration with various stakeholders, digital literacy, leadership, etc.) Additionally, our focus on civic and community engagement prepares students to be engaged global citizens and catalysts for positive change in their communities. The department houses a 36-credit major in Women's and Gender Studies as well as four different 18-credit minors in the following: African and African-American Studies; Latin American, Caribbean, and Latino Studies; Sexuality and Queer Studies; and Women's and Gender Studies. Students wishing to excel in fields such as human services, law, health, media, business, education, politics, non-profit management, social work, counseling, and cultural affairs will find a home in one of our degrees.

Women's and Gender Studies

A major (36 credits) in Women's and Gender Studies readies students to work in diverse settings. Some of our graduates have pursued a

variety of careers including: Education (Early Childhood Education and Elementary Education), Health Services, Law/Criminal Justice, Social Work, Psychological Services and Counseling, Public Administration, Community Organizing, Political Consulting, Public Advocacy, Violence Survivor Support Worker, Human Resources, Archiving, Non-Profit Management, and Social Work.

A minor (18 credits) in Women's and Gender Studies enhances any program of study. Students hoping to pursue careers in health care, entrepreneurial ventures, counseling, law enforcement, social work, business, criminal justice, publishing, media/content creation, civic engagement, diversity/equity/inclusion, education, etc. will become better health care workers, business owners, counselors, writers, creators, lawyers, teachers, and community leaders who understand how gender influences social life.

African and African-American Studies

Students who are contemplating a career in Journalism, Education, Criminal Justice, Politics, Law, Business, Diplomacy and many other fields will find the African and African-American Studies minor very helpful.

Latin American, Caribbean, and Latino Studies

Possible career paths for a LATI Studies minor include Business Manager, Conflict Mediator, Journalist, Consultant, Counselor, Cultural Affairs Officer, Customer Relations, Customs and Immigration Official, Educator, Peace Corps Worker, Professor, Human Resources Professional, International Financial Advisor, Politician, Public Policy Expert, Public Relations, Social Worker, Translator, or Non-Profit Administrator.

Sexuality and Queer Studies

The minor in Sexuality and Queer Studies minor is the only program in New Jersey that highlights queer experiences with a focus on the urban setting and an emphasis on application. This is a unique opportunity learn more about the realities of queer lives in urban environments. The civic and community engagement-focus of the Sexuality and Queer Studies minor prepares students to work in the following careers: Human Resources, Entrepreneurship, Teaching/Education, Publishing, Creative Writing, Health Services, Archives and Public History, Media/Content Creation, Law, Counseling/Mental Health, Non-Profit Management, Social Work, Politics, and many more.

Jennifer Musial (jmusial@njcu.edu)
Associate Professor of Women's & Gender Studies
Trent University, B.A.; Bowling Green State University, M.A.: York University, Ph.D.

Antoinette Ellis-Williams, Chairperson (aellis@njcu.edu)
Professor of Women's and Gender Studies
Seton Hall University, B.A.; University of Pittsburgh, M.P.A.; Cornell University, Ph.D.

Jacqueline Ellis (jellis@njcu.edu)
Affiliated Professor of Women's and Gender Studies
University of Hull, B.A., Ph.D.

Jermaine McCalpin
Associate Professor of African & African-American Studies
The University of the West Indies, B.Sc., M.Sc.; Brown University, M.A., Ph.D.

Virginia Ochoa-Winemiller (vochoawinemiller@njcu.edu)
Associate Professor of Latin American, Caribbean & Latino Studies
Yucatan Autonomous University, B.A.; Louisiana State University, M.A., Ph.D.

Al Valentín (https://catalog.njcu.edu/undergraduate/arts-sciences/african-american-studies/avalentin3@njcu.edu)

Postdoctoral Fellow, Digital Ethnic Futures Consortium

Brooklyn College, B.A.; Rutgers University, Ph.D.

- Women's and Gender Studies, B.A. (https://catalog.njcu.edu/undergraduate/arts-sciences/womens-gender-studies/womens-gender-studies-ba/)
- African and African-American Studies, Minor (p. 38)
- Latin American, Caribbean and Latino Studies, Minor (p. 38)
- Sexuality and Queer Studies, Minor (https://catalog.njcu.edu/undergraduate/arts-sciences/womens-gender-studies/sexuality-and-queer-studies-minor/)
- Women's and Gender Studies, Minor (https://catalog.njcu.edu/undergraduate/arts-sciences/womens-gender-studies/womens-gender-studies-minor/)

African and African-American Studies (AFRO)

AFRO 1XX Afro/African American Studies Transfer Credit (0 Credits)

AFRO 2XX Afro/African American Studies Transfer Credit (0 Credits)

AFRO 101 The African Diaspora (3 Credits)
This course introduces students to the African Diaspora as both a conceptual frame and a set of lived experiences of Black people globally. In this course, we examine how "Diaspora" emerged as a way of understanding the historical, political, economic, and cultural forces that have shaped Black experiences and worldview.

AFRO 106 Black Cultural Studies (3 Credits)
This course of study offers a critical examination of the institutional, psychological and cultural and social forces which help to shape the identity and culture of people of African descent in Africa and in a New World.

AFRO 125 African American History: From Africa to Emancipation (3 Credits)
This course surveys major themes in African American history, including the study of Africa and events that shaped African Americans' experiences through Emancipation. We will examine the slave trade's impact on global politics, culture, and economics, centering it as a major cause of the dispersal of Africans throughout the Americas.

AFRO 140 African American History: From Emancipation to the Present (3 Credits)
This course examines the African American experience in the United States from 1865 to the present. Major themes include the end of the Civil War and the beginning of Reconstruction, African American migration patterns, discrimination and segregation, and the development of the Civil Rights Movement and the Black Power Movement.

AFRO 164 Introduction to African Civilizations (3 Credits)
This course offers students a survey of the vast mosaic of African civilizations, such as Ghana, Mali, Zimbabwe, Egypt, and Sudan, with a focus on the precolonial period through 1884. Special emphasis is placed on aspects of African civilizations that have influenced modern Africa and the larger world.

AFRO 215 American Civil Rights Movement (3 Credits)
The American Civil Rights Movement has challenged a democratic government to be more responsive to the needs of all constituents, redefined resistance and activism for citizens excluded from the political process, and offered new conceptions of American citizenship. The course focuses on ideology, organizations, resources, leadership, gender and political culture.

AFRO 285 Modern Africa (3 Credits)
This course offers an examination of post-1945 Africa, focusing on the political, economic, and social experiences of African countries. This is a survey course that traces the emergence of "Modern Africa" from colonialism to political independence and analyzes the impact of these new states on international politics.

Latin American, Caribbean, and Latino Studies (LATI)

LATI 1XX Latin American Studies Transfer Credit (0 Credits)

LATI 2XX Latin American Studies Transfer Credit (0 Credits)

LATI 110 Survey of Latin American, Caribbean, and Latino Studies (3 Credits)
This course provides a comprehensive overview of Latin America and the Caribbean, regions characterized by a long history and diverse population. Topics include prehistoric societies, historical development, geography and culture, ethnicity and race, gender and sexuality, religion, health, food, U.S. Latin America relationships, class and social development, human rights, migration patterns, globalization, and the role of Latin Americans and their descendants in the United States.

LATI 114 Studying Latin America (3 Credits)
This course examines the geography and some of the diverse peoples of Latin America. Topics may include prehistoric societies, ethnicity and race, gender and sexuality, U.S.-Latin America relationships, migration patterns, and globalization. Students will gain expertise in one particular country of Latin America through an extended research project.

LATI 122 Archaeology of Mesoamerican Cultures (3 Credits)
This course traces the cultural development of social complexity in pre-Columbian Mexico and Central America over the past 12,000 years from initial human colonization during the Late Pleistocene, through the rise of complex societies, to the Spanish conquest. Course examines the life ways and major societal transformations of the Olmec.

LATI 125 Sociological-Cultural Change In Latin America (3 Credits)
An examination of the economic, political, psychological and social aspects of the Latin American societies from the past to the present are explored in this course.

LATI 201 Peoples and Cultures of the Caribbean (3 Credits)
This course offers an examination of the Caribbean region as a cultural area with common historical patterns of conquest, colonization, peonage or slavery, and the development of multi-racial and multi-cultural societies. Topics of study include the European, African and Asian cultural roots of the region.

LATI 202 Ethnicity, Racialism, and Culture in Mexico and Central America (3 Credits)
This course offers an examination of the interplay of ethnicity and race, and its ongoing impact on the cultures of Mexico and Central America. Using an interdisciplinary approach combining history, anthropology, and cultural geography this course focuses on the demographic, socio-cultural, political, and economic changes that continue to affect ethnic and Afro Latino groups in these areas.

LATI 203 Peoples & Cultures of South America (3 Credits)
This course broadly examines three major cultural areas in South America: the Andean region (Ecuador, Peru and Bolivia; Venezuela, Colombia); the Southern Cone (Chile, Argentina, Uruguay and Paraguay); and Brazil. Present-day societies and their process of development and social change during the past several decades are explored within the larger historical context of conquest, colonization, slavery, migration and political intervention and upheaval. The struggles of marginalized Native American populations (e.g. in Brazil and Venezuela) and other racial, ethnic and special-interest groups are given attention.

LATI 204 Latin American Communities in U.S. (3 Credits)
This course examines the cultural and socio-economic backgrounds and present life-conditions of Latin American and Caribbean immigrants (and/or their descendants) residing in the U.S. Group migration histories are reviewed as well as the history of the U.S. annexation of Mexican territory and its impact on the lives of Mexican Americans. Theories of migration, acculturation and assimilation into North American society are critically analyzed, utilizing specific migrant groups as case studies.

LATI 205 Impacts of Modern Technology on Latin America and the Caribbean (3 Credits)
Course is designed to explore the environmental, economic, social, and political impact of modern technology on Latin American countries. Selected case histories are presented to provide the students with a comprehensive view of the phenomenon.

LATI 206 Cuba & Puerto Rico in History Perspective (3 Credits)
A thematic and chronological investigation of these two island nations from the pre-Columbian era to the present is untaken, with an emphasis on the 19th 20th centuries. Topics include the genesis of plantation societies, slavery, and socio-economic/political relationship with the United States.

LATI 207 Seminar Topics in U.S. Latino Studies (3 Credits)
In-depth analyses of selected issues in Latino communities throughout the United States, such as literary traditions, religion, health and politics are studied in this course.

LATI 208 Seminar:Topics in Latin American & Caribbean Studies (3 Credits)
In-depth analyses of selected issues within the region, such as literary traditions, religion, health, ecology and politics are studied in this course.

LATI 209 Sex and Gender in Latin America (3 Credits)
Using an anthropological cross-cultural approach, this course explores the social conflict between image and reality in Latin American practices of gender and sexuality. The course critically analyzes social situations, sex and gender links to class, ethnicity, and racialism, current representations and symbolism, and the changing effects of globalization and transnationalism.

LATI 210 Latin American Novels as History (3 Credits)
This course presents a critical analysis of the diverse historical development in Latin America and the Caribbean through literature. Issues examined include slavery, conquest, ethnicity, migration, dictatorship etc. Focus is on the nineteenth and twentieth centuries.

LATI 211 Music and Society in the Caribbean Region (3 Credits)
A study of selected Caribbean music and the societal pressures which underscore it, focusing on Cuba, the Dominican Republic, Haiti, Jamaica, and Puerto Rico, and also covering the musical profiles of other islands: Trinidad and Tobago, St. Lucia, Dominica, Guadeloupe and Martinique. Reading music notation is not required.

LATI 212 Drugs: History, Production, and Trade in Latin America (3 Credits)
Using an anthropological approach, students will explore specific issues related to drug production and trafficking such as the subsequent political corruption, the rise of narco-states, global and economic impact, and the US-led eradication and interdiction efforts known as the "War on Drugs" in these regions.

LATI 215 Migration and Transnationalism in Latin America (3 Credits)
This multidisciplinary course aims to examine Latin American and Caribbean migration to the United States. This course introduces key theoretical concepts and historical processes underlying immigration. Thereafter, focus is on the opportunities and barriers for immigrant's integration to U.S. society, the process of transnationalism, and the nature of inter-ethnic relations.

LATI 220 Issues in Latin America (3 Credits)
Using an interdisciplinary perspective, this course will critically examine the changing and multifaceted cultural realities and issues affecting Latin Americans throughout the continent. This course aims to familiarize students with issues affecting Latin America through using resources from anthropology, geography, literature, history, music, cinema, and art. Discussion will focus on the role of colonialism, foreign intervention, urbanization, gender, race, social movements, transition to democracy, market economies, local and international migration, transnational communities, drug trafficking, environmental degradation, and the impact of globalization in Latin America.

LATI 250 Portugal Brazil North America: Stories of Migration (3 Credits)
This course explores literary and other cultural production about migration from Portugal and Brazil to the United States and Canada. Students will explore the cultural and historical contexts of these migrations, as well as the forms of community developed by Lusophone immigrants and their children in North America.

LATI 303 Challenges of Development: Latin America (3 Credits)
This course deals with the critical problems of the two-thirds of humanity living in Latin America, Africa, and Asia. The emphasis of the course is on population growth, problems of food, water, energy, cities, poverty, and the environment. It examines the roles of science and technology to solve these problems and bring development to these areas.

LATI 305 Seminar:Latin American Community Issue (3 Credits)
In-depth analysis of selected issues in Latino communities throughout the United States, such as literary traditions, religion, health, politics, etc.

LATI 350 Latinos and Language in the U.S. (3 Credits)
This seminar explores ways that people of Latin American heritage use language. Topics include dialects of Spanish and Portuguese in Latin America, how these dialects are reflected in specific U.S. Latino communities, the connections between language and identity, and effective approaches to working with Latino students in the education system.
Pre-Requisite(s): 8 Gen Ed Courses across Tier 1 and Tier 2.

Women's and Gender Studies (WGST)

WGST 1XX Women & Gender Studies Transfer Credit (0 Credits)

WGST 2XX Women & Gender Studies Transfer Credit (0 Credits)

WGST 101 Telling Women's Lives (3 Credits)
In this course, students will use feminist analysis to examine the cultural processes of telling and hearing women's stories and to consider how these narratives create knowledge within multiple disciplines. Students will hear, read and re-tell the life experiences of women using oral and written texts drawn from various genres.

WGST 103 Introduction to Women's and Gender Studies (3 Credits)
This course examines the disparity between traditional roles and the organization of an advanced industrial society; considers changing notions of roles and new patterns of relationships.

WGST 108 Race, Class and Gender Activism (3 Credits)
This course examines women's movements and activism in the United States and around the world. Through primary source documents and monographs, we will look at a wide spectrum of feminist political interventions that focus on the intersection of race, ethnicity, class, and sexual identity both in the analysis they propose and the solutions they generate.

WGST 109 Gender, Sexuality and Culture (3 Credits)
This course explores key concepts in gender studies, including our understanding of the social construction of gender, by examining assumptions about gender roles and relations in contemporary society. Drawing primarily from literature, art, music, and sociology, the course focuses on questions regarding gendered experiences in political, social, and cultural contexts.

WGST 110 Diversity and Difference: Identities, Communities, and Cultures (3 Credits)
This course is designed to explore how culture shapes individual and community identities. It provides students with social, political, cultural, psychological, and historical frameworks for understanding differences and resolving conflicts. Students will build a repertoire of skills for identifying, researching, analyzing, navigating, and valuing diversity.

WGST 111 Introduction to Digital Humanities (3 Credits)
As the role of digital technology continues to reshape the lives of humans, we must have digital literacy as well as an understanding of the implications of technology. This course bridges the interrelated fields of ethnic studies, gender studies, and disability studies, alongside Digital Humanities to give students the technical skills and critical thinking skills to produce digital projects centered on power and justice. Students will analyze and evaluate the efficacy of digital projects that center the study of racialized and marginalized groups to show the utility and necessity of diverse voices in the creation and dissemination of knowledge. Students will also design projects that help to answer these questions in digestible, engaging, and interactive ways to support the flow of knowledge from the classroom to the world at large. This course fulfills Information and Technological Literacy General Education requirements.

WGST 130 Rebel Girls (3 Credits)
Young women and girls continue to make history in the United States and throughout the world. Students will explore the social, political, and cultural rebellions of young women and girls, make connections between rebellions in the past and those in the present, and compare girls' activism nationally, transnationally, and globally.

WGST 141 Masculinities (3 Credits)
What does it mean to be a man in any given context? Why are some forms of masculinity more valued than others? What do feminist masculinity look like? The course explores the social and cultural construction of masculinity by surveying interdisciplinary texts that analyze, question, and transform the ways in which masculinity is understood and performed in a variety of settings. The course pays special attention to the intersections between gender, race, class and sexual orientation in the formation of various forms of masculinity.

WGST 190 Introduction to Sexuality and Queer Studies (3 Credits)
This course offers an interdisciplinary introduction to lesbian, gay, bisexual and transgender studies. It explores the history of same sex desire in Western and non-Western cultures and examines the political, psychological and artistic cultures of contemporary lesbian, gay, bisexual and transgender communities.

WGST 203 Women and Aging (3 Credits)
This course examines significant events in the lives of mature and aging women by exploring shifting situations, self-images, aspirations, anxieties, and values.

WGST 204 Theorizing Bodies: Gendered Perspectives (3 Credits)
This course in an introduction to various theoretical accounts of the body. How are human bodies and bodily experience shaped by gender relations? How do bodies (and the way we perceive them) vary historically and across cultures? How different bodies are perceived, valued and treated? In this course, we will examine the body as the product of complex social arrangements and processes. We will study the body as a part of our identity, as the object of social control, and as the repository of shifting race, gender and sexual categories.

WGST 208 Sex: Power, Pleasure, Politics (3 Credits)
Beginning with some basic work on the history of sexuality, this course explores a variety of topics; heterosexuality as an historical institution; pornography; prostitution; date rape and sexual harassment; rape; race, sex, and miscegenation; sex and disease; and sex and pleasure. The course analyzes each of these topics by placing them in their political, economic, social, and ideological contexts.

WGST 210 Black Womanhood (3 Credits)
This course examines the impact of racism and sexism on Black women and explores various representations of Black womanhood and their implications for feminist thought. Perspectives from sociology, history and literary criticism are included.

WGST 211 Science, Technology, and Power (3 Credits)
This course traces how power has shaped technological and scientific innovation in American culture. Discussions of key moments such as the advent of the internet, the rise of personal computers, or the creation of gaming technology through an intersectional lens to consider race, gender, and disability in technology and science are introduced. Students will view digital projects that chronicle these moments and help them better understand them.

WGST 215 Men of Color in Urban America (3 Credits)
This course helps students understand the cultural, social, political, economical, and historical trends/traditions of Black and Latino men in urban America. Students will deconstruct the cultural underpinnings of manhood, masculinity and identity politics. Additionally, students will explore sexism and violence; the role of the media; employment, drug culture and man as provider (i.e. father); politics, liberation, revolution and activism; leadership models; relationships with men and women; sex and sexuality.

WGST 220 Women and Leadership: Work and Community (3 Credits)
Students will explore the experiences, strategies, and gendered dynamics affecting women in leadership roles. Beginning with historical examples of political leaders, social activists, and business entrepreneurs, students will examine contemporary issues facing women leaders in workplace and community settings and create toolkits for exploring and enacting their own leadership potential.

WGST 225 Women, Hip Hop Spoken Word and Social Change (3 Credits)
This course will examine the socio-political and cultural role Hip Hop and spoken word plays in social activism in a global context. Students will examine the intersection of race, class, gender and sexuality within the genre of spoken word and Hip Hop in social transformation.

WGST 226 LGBTQ Social Change (3 Credits)
In this course, students learn about labels, identities, and histories associated with LGBTQ peoples. Then, students evaluate LGBTQ activist organizing strategies before working on projects that benefit a community agency in the Hudson County/Essex County area. The course requires group work outside the classroom with the community partner.
Prerequisite(s): WGST WGST 109 or 190 + or permission by the Instructor

WGST 300 Women & Health (3 Credits)
In this course students will examine the role of women as both consumers and providers of health care. The effect of race, class and gender on the health status of women will be analyzed. The biologic basis for sex differences will be discussed. Major health issues will be addressed including reproductive health, sexually transmitted disease, eating disorders, addiction, occupational and environmental health, menopause, and chronic disease. Students will evaluate women's health programs and compare models of health delivery for women.

WGST 310 Girls, Girl Culture, and Girlhood Studies (3 Credits)
This course explores girlhood in the United States and globally. Students will examine individual experiences, socially constructed definitions, and cultural representations of girlhood from interdisciplinary perspectives and will consider how education, media, politics, families, and friendships shape girls' identities.
Pre-Requisite(s): Must have taken one of the following: WGST 101, WGST 109, WGST 110, WGST 220, or WGST 225 and 8 Gen Ed Courses across Tier 1 and Tier 2.

WGST 320 Feminist Practices (3 Credits)
This course introduces students to the history and development of women's and gender studies as an academic field. Students will explore feminist theory and offer a critical examination of various research techniques used in women's and gender studies with a particular emphasis on interdisciplinary work.
Pre-Requisite(s): WGST 101 or WGST 109 or WGST 100 or WGST 103 and two additional courses toward the major.

WGST 322 Reproductive Justice (3 Credits)
This course explores historical and contemporary reproductive politics through a social justice lens that is attentive to the intersections of patriarchy, racism, poverty, and colonialism. Students learn how ethics, economic, social, and political power shapes our intimate and procreative lives.
Pre-Requisite(s): WGST 101 or WGST 109 or WGST 110 and WGST 108 or WGST 208 or WGST 220 or permission by the Instructor

WGST 330 Gender and Popular Culture (3 Credits)
This course focuses on constructions of femininity and masculinity in various popular cultural forms including: television, movies, music, advertising, fashion, and the Internet. Analyses center on the production and consumption of popular culture and its role in shaping perceptions and experiences of gender in individual, national, and global contexts.
Pre-Requisite(s): WGST 100 or WGST 103

WGST 370 Transgender, Gender Variant, and Gender Queer History, Identities, and Politics (3 Credits)
This course explores transgender and gender non-conforming lives in the U.S. and globally. Students examine historical and contemporary assumptions and definitions of gender identities using interdisciplinary frameworks. Disjunction's and overlaps of trans, intersex, or gender-variant identities, issues, and theories with feminist and queer theories are also interrogated.
Prerequisites: 8 Gen Ed Courses across Tier 1 and Tier 2 and one of the following: WGST 101, WGST 109, WGST 110, WGST 220, or WGST 225.

WGST 380 Internship in Women's and Gender Studies (3 Credits)
The WGST internship combines experiential learning in a pre-approved agency or organization with academic analysis of applicable feminist concepts and theories. Supervised by a WGST faculty member, students will reflect on their internship experiences through regular reading and writing assignments and in a final paper.
Pre-Requisite(s): WGST 101 or WGST 109

WGST 405 US Latina Feminisms (3 Credits)
This course examines the historical development, theoretical positions, and political, social, and artistic contributions of Latinas in the United States. Through the study of film, literature, and other cultural products and practices, students will explore how Latina scholars, writers, and artists engage constructions of gender, race, ethnicity, class, sexuality, cultural nationalism, and colonialism to articulate a distinct feminist vision.
Pre-Requisite(s): WGST 100 or WGST 103 or Permission of the Instructor

WGST 410 Gender, Migration, and Citizenship (3 Credits)
This course will explore how population movements worldwide are intricately connected to existing gender, labor, sexual, and family relations. Analyses address the complex connections between mobility patterns, economic trends, gender relations, discursive formations (including citizenship and nationality laws), and new forms of subjectivity, communities, and political engagement.
Pre-Requisite(s): WGST 100 or WGST 103 or ETHN 221

WGST 490 Senior Seminar in Women's and Gender Studies (3 Credits)
Advanced course on selected topics in women's and gender studies. Topics may include Gender and Globalization; Women and Spirituality; Feminism, Policy and the poor; Gender and Human Rights, etc. Students will be expected to pursue an original research project making use of primary sources, scholarly journals, and other research materials.
Pre-Requisite(s): WGST 101 or WGST 109; WGST 320, and two additional courses toward the major.

African and African-American Studies, Minor

The African and African-American Studies Program provides students with a strong foundation in the histories, cultures, politics, and critical and creative production of African, African-American, and African-descended people worldwide. The program focuses on core knowledges that help students develop strong analytical skills to examine the multiple ways that African-descended peoples have continued to shape ideas and culture, nationally and globally.

The minor complements all majors. Students in the humanities, arts, social sciences, business, and education, for example, will find that a minor in African and African-American studies helps deepens their understanding of the world in which we live and prepares them to excel in their professional and social lives.

Students who minor in African and African-American Studies will take 18 credits or six (6) courses. There are three (3) required courses, a choice of two courses (2) from the restricted electives list, and a choice of one (1) class from the cross-listed electives list.

Code	Title	Credits
Required Courses (9 credits):		**9**
AFRO 101	The African Diaspora [1]	3
AFRO 125	African American History: From Africa to Emancipation [1]	3
AFRO 164	Introduction to African Civilizations [1]	3
Restricted Electives (Choose 6 credits from the following list):		**6**
AFRO 106	Black Cultural Studies	3
AFRO 140	African American History: From Emancipation to the Present [1]	3
AFRO 215	American Civil Rights Movement [1]	3
AFRO 285	Modern Africa	3
Cross-Listed Electives (Choose 3 credits from the following list):		**3**
LATI 114	Studying Latin America [1]	3
MDT 155	African Music in the Americas: Brazil and the United States [1]	3
WGST 225	Women, Hip Hop Spoken Word and Social Change [1]	3
WGST 380	Internship in Women's and Gender Studies [2]	3

1 This course can be used to fulfill a General Education Requirement.

2 Upon consultation with the African and African-American Studies coordinator and/or Department Chair, a student may complete an African and African-American Studies-focused internship through WGST 380.

Latin American, Caribbean and Latino Studies, Minor

Students who minor in Latin American, Caribbean, and Latino Studies will learn about the complex geopolitical, economic, social, and environmental realities of the developing countries and territories to the south of the United States, with specific emphasis on the Caribbean region

Code	Title	Credits
Required		
LATI 114	Studying Latin America [1]	3
Restricted Electives		
Select a minimum of six (6) credits from the following courses:		6
LATI 122	Archaeology of Mesoamerican Cultures [1]	3
LATI 201	Peoples and Cultures of the Caribbean [1]	3
LATI 202	Ethnicity, Racialism, and Culture in Mexico and Central America [1]	3
LATI 215	Migration and Transnationalism in Latin America [1]	3
Select a minimum of six (6) credits from the following courses:		6

LATI 125	Sociological-Cultural Change In Latin America	3
LATI 203	Peoples & Cultures of South America	3
LATI 204	Latin American Communities in U.S.	3
LATI 205	Impacts of Modern Technology on Latin America and the Caribbean	3
LATI 206	Cuba & Puerto Rico in History Perspective	3
LATI 207	Seminar Topics in U.S. Latino Studies	3
LATI 208	Seminar:Topics in Latin American & Caribbean Studies	3
LATI 209	Sex and Gender in Latin America [1]	3
LATI 210	Latin American Novels as History	3
LATI 211	Music and Society in the Caribbean Region	3
or MDT 211	Music and Society in the Caribbean Region	
LATI 212	Drugs: History, Production, and Trade in Latin America [1]	3
LATI 220	Issues in Latin America	3
LATI 250	Portugal Brazil North America: Stories of Migration [1]	3
LATI 303	Challenges of Development: Latin America	3
LATI 350	Latinos and Language in the U.S. [1]	3
Electives		
Select a minimum of three (3) credits in courses related to Latin American, Caribbean and Latino Studies from courses in other departments and programs, in consultation with the Program Coordinator. The following courses are recommended:		3
ART 327	Art of Latin America	3
ENGL 340	Survey of U.S. Writers of Latin-American Descent	3
ENGL 351	African & Caribbean Women Writers	3
HIST 162	Introduction to Latin American Civilization	3
HIST 318	History and Culture: Cuba and Puerto Rico	3
HIST 331	History of the Dominican Republic	3
HIST 333	The History of Mexico	3
LANG 255	Violence and Resistance in Latin America [1]	3
LANG 306	Past and Present of Latin America	3
LANG 308	Voices And Texts Of Latin America	3
LANG 309	US Latinx Culture	3
LANG 401	Hispanic Literature of the Caribbean	3
LANG 406	20th Century Spanish-American Prose Literature	3
LANG 408	Colonial and Post -Colonial Studies	3
LANG 410	Latinx Writers	3
MEDI 328	Film Genre:Latin-American Film	3
MDT 155	African Music in the Americas: Brazil and the United States [1]	3
POLI 209	Government and Politics of South America	3
POLI 210	Government & Politics of Mexico & the Caribbean	3
WGST 380	Internship in Women's and Gender Studies	3
WGST 405	US Latina Feminisms	3
Total Credits		**18**

[1] This course can also be used to fulfill a General Education requirement.

[2] LATI 211 Music of the Caribbean is cross-listed with MDT 211. If a LATI minor takes the course as MDT 211, it will count as LATI 211.

Junior		
Semester 1		**Credits**
LATI 114	Studying Latin America	3
	Credits	**3**
Semester 2		
LATI 209	Sex and Gender in Latin America	3
or LATI 212	or Drugs: History, Production, and Trade in Latin America	
	Credits	**3**
Senior		
Semester 1		
LATI 200 Level Course		3
LATI 200 Level Course		3
LATI 200 Level Course		3
	Credits	**9**
Semester 2		
LATI 350	Latinos and Language in the U.S.	3
	Credits	**3**
	Total Credits	**18**

Sexuality and Queer Studies, Minor*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The minor in Sexuality and Queer Studies (SQS) centers on the identities and histories of lesbian, gay, bisexual, transgender, and gender-variant people with a particular focus on urban queer identities. The SQS minor examines how assumptions about sexuality and gender are constructed and emphasizes ways to navigate and resist those assumptions through the application of knowledge in a variety of settings including education, healthcare, the workplace, and community organizations.

Code	Title	Credits
Required courses:		
WGST 190	Introduction to Sexuality and Queer Studies [1]	3
WGST 226	LGBTQ Social Change [1]	3
Elective Courses:		
Students must choose 12 credits (4 courses) from the following list of courses:		
WGST 108	Race, Class and Gender Activism	3
WGST 208	Sex: Power, Pleasure, Politics	3
WGST 215	Men of Color in Urban America	3
WGST 322	Reproductive Justice	3

WGST 370	Transgender, Gender Variant, and Gender Queer History, Identities, and Politics [1]	3
WGST 380	Internship in Women's and Gender Studies [2]	3
EDU 105	Education and LGBTQ Issues [1]	3
ENGL 205	Queer Literature	3
HLTH 207	Human Sexuality	3
HLTH 300	Women and Health	3
HLTH 415	Family Living & Sex Education	3
LATI 209	Sex and Gender in Latin America [1]	3

[1] Courses within the general education program.

[2] Upon consultation with the Sexuality and Queer Studies coordinator and/or Department Chair, a student may complete Sexuality and Queer Studies-focused internship through WGST 380.

Women's and Gender Studies, B.A.*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

Women's and Gender Studies (WGST) graduates are sophisticated critical thinkers, they are able to synthesize different kinds of information, and they can easily apply academic knowledge to real world situations—skills that are valued by many prospective employers. WGST graduates also have a complex understanding of national, transnational, and global issues as well as a specialized knowledge of women's experiences and of social, political, economic, and cultural issues facing women and other historically marginalized people. Women's and Gender Studies graduates at NJCU have pursued a variety of careers including: education, health services, criminal justice, social work, psychological services and counseling, public administration, community organizing, political consulting, public advocacy, and law. Students have also advanced to graduate programs in history, sociology, human rights and global studies, sociology, English, and creative writing.

There are no requirements for entering the WGST major other than the general university requirements for declaring a major.

Minimum GPA Graduation Requirement: 2.0 CGPA

Code	Title	Credits
Required		
WGST 101	Telling Women's Lives	3
or WGST 109	Gender, Sexuality and Culture	
WGST 108	Race, Class and Gender Activism	3
or WGST 208	Sex: Power, Pleasure, Politics	
WGST 320	Feminist Practices	3
WGST 380	Internship in Women's and Gender Studies	3
WGST 490	Senior Seminar in Women's and Gender Studies	3
Restricted Electives: 21 credits. 9 credits minimum at 300/400 level		**21**
WGST Electives: select at least 9 credits.		
WGST 101	Telling Women's Lives	3
WGST 103	Introduction to Women's and Gender Studies	3
WGST 108	Race, Class and Gender Activism	3
WGST 109	Gender, Sexuality and Culture	3
WGST 110	Diversity and Difference: Identities, Communities, and Cultures	3
WGST 111	Introduction to Digital Humanities [1]	3
WGST 130	Rebel Girls	3
WGST 141	Masculinities	3
WGST 190	Introduction to Sexuality and Queer Studies	3
WGST 204	Theorizing Bodies: Gendered Perspectives	3
WGST 208	Sex: Power, Pleasure, Politics	3
WGST 210	Black Womanhood	3
WGST 215	Men of Color in Urban America	3
WGST 220	Women and Leadership: Work and Community	3
WGST 225	Women, Hip Hop Spoken Word and Social Change	3
WGST 226	LGBTQ Social Change	3
WGST 310	Girls, Girl Culture, and Girlhood Studies	3
WGST 322	Reproductive Justice	3
WGST 330	Gender and Popular Culture	3
WGST 370	Transgender, Gender Variant, and Gender Queer History, Identities, and Politics	3
WGST 405	US Latina Feminisms	3
WGST 410	Gender, Migration, and Citizenship	3
Cross-Listed Electives: Select at least 9 Credits		
ART 150	Empower Tools: Art as a Catalyst for Social Change	3
ART 266	Women Artists	3
CJ 303	Women and Criminal Justice	3
EDU 105	Education and LGBTQ Issues	3
ENGL 205	Queer Literature	3
ENGL 226	Women in Literature	3
ENGL 235	Reading Hip Hop	3
ENGL 305	African American Women Writers	3
ENGL 313	Stories of Teaching & Learning: Narratives of Education	3
ENGL 319	The Triangle Shirtwaist Factory Fire	3
ENGL 351	African & Caribbean Women Writers	3
ENGL 386	Memoir Workshop	3
HIST 154	U.S. Women's History	3
HLTH 300	Women and Health	3
LANG 410	Latinx Writers	3
LATI 209	Sex and Gender in Latin America	3
MEDI 327	Cinema and Media Studies: Women in Film	3
LTED 160	Languages of Power and Social Justice	3
MEDI 327	Cinema and Media Studies: Women in Film	3
PHIL 245	The Philosophy of Social Justice in the United States	3
POLI 215	Women and Law	3

SOCI 201	Women and Family in Different Cultures	3
SOCI 244	Ethnic Families in America	3
SOCI 450	Seminar: Domestic Violence	3
SWK 302	Diversity, Engagement, Inclusion, & Social Justice	3
Total Credits		**36**

Note: If a student takes both 101 and 109, one will satisfy the required course and the other will count as an elective

Note: If a student takes both 108 and 208, one will satisfy the required course and the other will count as an elective

Student Learning Outcomes

Upon completion of the Women's and Gender Studies BA program, students will be able to:

1. Describe women's historical and contemporary contributions to culture and society.
2. Examine urban lives from the perspective of Women's and Gender Studies.
3. Use gender as a central category of analysis in relation to other axes of difference.
4. Develop interdisciplinary research skills and familiarity with feminist theories and modes of inquiry.
5. Demonstrate oral communication, writing, information technology, and critical thinking skills.
6. Apply feminist principles and ethics to their own lives and surrounding communities.

Freshman		
Semester 1		**Credits**
WGST 101 or WGST 109	Telling Women's Lives or Gender, Sexuality and Culture	3
	Credits	**3**
Semester 2		
Cross-Listed Elective		3
	Credits	**3**
Sophomore		
Semester 1		
WGST 108	Race, Class and Gender Activism (or WGST 208 in the spring)	3
WGST Elective		3
	Credits	**6**
Semester 2		
Cross-Listed Elective		3
	Credits	**3**
Junior		
Semester 1		
WGST 320	Feminist Practices	3
WGST 300/400 Level Elective		3
	Credits	**6**
Semester 2		
Cross-Listed 300/400 Level Elective		3
WGST Elective		3
	Credits	**6**
Senior		
Semester 1		
WGST 380	Internship in Women's and Gender Studies	3
WGST 300/400 Level Elective		3
	Credits	**6**
Semester 2		
WGST 490	Senior Seminar in Women's and Gender Studies	3
	Credits	**3**
	Total Credits	**36**

Women's and Gender Studies, Minor

A minor in women's and gender studies adds depth and perspective that enhances any program of study. Students hoping to pursue careers in health care, business or education will become better health care workers, managers and teachers with a deeper understanding of how gender influences organizations and people.

Code	Title	Credits
Required		
WGST 101 or WGST 109	Telling Women's Lives [1] Gender, Sexuality and Culture	3
WGST Electives		
Select a minimum of nine credits from the following courses:		9
WGST 101	Telling Women's Lives [1, 3]	3
WGST 103	Introduction to Women's and Gender Studies	3
WGST 108	Race, Class and Gender Activism	3
WGST 109	Gender, Sexuality and Culture [1, 3]	3
WGST 110	Diversity and Difference: Identities, Communities, and Cultures	3
WGST 111	Introduction to Digital Humanities [1]	3
WGST 130	Rebel Girls [1]	3
WGST 141	Masculinities	3
WGST 190	Introduction to Sexuality and Queer Studies [1]	3
WGST 204	Theorizing Bodies: Gendered Perspectives	3
WGST 208	Sex: Power, Pleasure, Politics	3
WGST 210	Black Womanhood	3
WGST 215	Men of Color in Urban America	3
WGST 220	Women and Leadership: Work and Community [1]	3
WGST 225	Women, Hip Hop Spoken Word and Social Change [1]	3
WGST 226	LGBTQ Social Change [1]	3
WGST 310	Girls, Girl Culture, and Girlhood Studies [1]	3
WGST 320	Feminist Practices	3
WGST 322	Reproductive Justice	3
WGST 330	Gender and Popular Culture	3
WGST 370	Transgender, Gender Variant, and Gender Queer History, Identities, and Politics [1]	3
WGST 405	US Latina Feminisms	3
WGST 380	Internship in Women's and Gender Studies	3
WGST 410	Gender, Migration, and Citizenship	3

WGST 490	Senior Seminar in Women's and Gender Studies	3
Cross-Listed Electives		**6**
Select a minimum of six credits from the following courses: [2]		6
ART 150	Empower Tools: Art as a Catalyst for Social Change [1]	3
ART 266	Women Artists	3
CJ 303	Women and Criminal Justice	3
EDU 105	Education and LGBTQ Issues [1]	3
ENGL 205	Queer Literature	3
ENGL 226	Women in Literature	3
ENGL 235	Reading Hip Hop [1]	3
ENGL 305	African American Women Writers	3
ENGL 313	Stories of Teaching & Learning: Narratives of Education	3
ENGL 319	The Triangle Shirtwaist Factory Fire [1]	3
ENGL 351	African & Caribbean Women Writers	3
ENGL 386	Memoir Workshop	3
HIST 154	U.S. Women's History	3
HLTH 300	Women and Health	3
LANG 410	Latinx Writers	3
LATI 209	Sex and Gender in Latin America [1]	3
LTED 160	Languages of Power and Social Justice [1]	3
MEDI 327	Cinema and Media Studies: Women in Film	3
PHIL 245	The Philosophy of Social Justice in the United States [1]	3
POLI 215	Women and Law	3
SOCI 201	Women and Family in Different Cultures	3
SOCI 244	Ethnic Families in America	3
SOCI 450	Seminar: Domestic Violence	3
SWK 302	Diversity, Engagement, Inclusion, & Social Justice	3
Total Credits		**18**

1 May be used to simultaneously satisfy a General Educational Program requirement.

2 Additional courses not listed may satisfy elective requirements, with approval of the program coordinator.

3 If a student takes WGST 101 to satisfy their required course, WGST 109 will count as an elective or vice versa.

Art

Visual Arts Building, Room 120
201-200-3214

The Art Department (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/art) of New Jersey City University is an accredited institutional member of the National Association of Schools of Art and Design since 1976.

Our mission is to encourage the development of our students as artists, designers, scholars, and leaders capable of excelling in a complex, rapidly changing society. The faculty of the Art Department, in support of the Urban Mission of the University, is committed to facilitating the outstanding achievement of every student in our program, to help each realize their goals, and to aid them in their development. Emphasis is placed on developing an understanding of the multiplicity of roles for the creative person in a contemporary urban society. Our program is dedicated to taking advantage of the cultural diversity of the greater metropolitan area. We recognize and stress the importance of balancing history and tradition with contemporary aesthetic ideas, skills, techniques and technologies.

Martin Kruck, Chairperson
Professor of Art
Queens University, B.F.A.; State University of New York, M.F.A.

Hugo X. Bastidas
Associate Professor of Art
Rutgers University, B.F.A.; Hunter College, M.F.A.

Dennis Dittrich
Associate Professor of Art
Syracuse University, M.F.A.

Deborah Jack
Professor of Art
Marsit College, B.A.; State University of New York, M.F.A.

Ashley Lyon
Associate Professor of Art
University of Washington, B.F.A.; Virginia Commonwealth University, M.F.A.

Ellen Quinn
Associate Professor of Art
University of Hartford Art School, B.F.A.; Rutgers University, Mason Gross, M.F.A.

Midori Yoshimoto
Professor of Art History
Osaka University, B.A.; Rutgers University, M.A, Ph.D.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Art—B.A. Art Therapy (p. 50)
- Art—B.A. Fine Arts and Crafts (p. 52)
- Art—B.A. Graphic Arts and Design (p. 53)
- Art—B.F.A., Concentration in Ceramics (p. 55)
- Art—B.F.A., Concentration in Drawing/Painting (p. 56)
- Art—B.F.A., Concentration in Graphic Design (p. 58)
- Art—B.F.A., Concentration in Illustration (p. 59)
- Art—B.F.A., Concentration in Photography (p. 61)
- Art—B.F.A., Concentration in Printmaking (p. 62)
- Art—New Jersey Art Teacher Certification Program (P–12) (p. 64)

Art (ART)

ART 1XX Art Transfer Credit (0 Credits)

ART 2XX Art Transfer Credit (0 Credits)

ART 104 Ceramics I (3 Credits)
This course provides basic experiences with clay, and those techniques common to pottery and ceramic sculpture, with an emphasis on three dimensional design concepts and the technique of hand building.

ART 106 Contemporary Art (3 Credits)
An introduction to contemporary trends in painting, sculpture, and architecture since 1945, including a consideration of their relationship to antecedent art movements and to contemporary society is presented in this course.

ART 108 African & Afro-American Art (3 Credits)
This survey of West African and Afro-American art emphasizes the unique cultural factors which influenced the art forms of these Black Cultures.

ART 110 Two Dimensional Design (3 Credits)
This course explores the various approaches to two dimensional design creation, media, and techniques. Emphasis is placed on the development of creative compositions through the application of the principles of design and an understanding of the art elements: line, form, color, texture, and space.

ART 111 Three Dimensional Design (3 Credits)
This course offers students an opportunity to develop knowledge, skill, and an understanding of design problems and techniques in three dimensional design through the study of natural forms and geometric structures. Materials and techniques required to fabricate design problems explored.

ART 114 The Passion for Painting: An Enduring and Meaningful Art Form (3 Credits)
Through learning the personal histories of master artists, students will examine why painting persists as an art form and remains relevant in contemporary culture. Class will include research writing, lectures, museum field trips, oral presentation, instruction and completion of hands-on studio activities.

ART 115 Drawing Studio I (3 Credits)
This course provides experiences with drawing in a variety of media and processes with emphasis on the development of perception and technical facility. Students make drawings and research the context of artworks to foster an understanding of art making as an intellectual, cultural, and professional practice.

ART 120 History of Photography (3 Credits)
This course traces the development of photography from its prehistory to the present, with particular emphasis on the medium as an art form. Discussion of photographic aesthetics and techniques, and an assessment of the effect of political, social and economic climates on the medium are covered. Students view the work of established maters and contemporary innovators in fine art and commercial photography each week.

ART 125 Making & Interpreting Clay Objects: Examining the Development of Ceramics and its Role in Society (3 Credits)
This course introduces the history of ceramics while concurrently presenting the technical and aesthetic aspects of working with clay. It examines how ceramic objects reflect the cultural beliefs and practices of the society that produced them while emphasizing the creation of personally and culturally relevant objects.

ART 130 World Art I (3 Credits)
An introduction to the history of art from prehistoric times through the Romanesque period is presented in this course. Emphasis is placed on the artistic principles exemplified in architecture, sculpture, painting, and minor arts.

ART 131 World Art II (3 Credits)
This course is an introduction to the history of art from the Gothic period through the first half of the twentieth century. Emphasis is placed on the artistic principles exemplified in architecture, sculpture, painting, and minor arts of the periods studied.

ART 145 Websites for Everyone: Implementing Word Press (CMS) Sites for Business and Self-Promotion (3 Credits)
Using open source Content Management Systems such as Wordpress, students will create a website. They will analyze the requirements for their site, design and compose original content, prepare digital media, customize code, and optimize for effective delivery.

ART 150 Empower Tools: Art as a Catalyst for Social Change (3 Credits)
This course investigates the cultural significance of art-making, as a means to create positive social change. Students will develop a practical understanding of ceramics, college and new media through the lens of artistic activism to become practicing conceptual artists, as well as active and engaged citizens.

ART 170 Time Travel: Introduction to Time-Based Art (3 Credits)
This introductory course surveys time-based art since the early twentieth century, including an overview of experimental film, video art, installation, and performance. Through writing, discussion, and presentations, students will analyze moving images and develop critical awareness of how time-based art is a tool for communication and expression.

ART 185 Computer Graphics (3 Credits)
The use of the computer in the plastic arts has, in a very short time, influenced almost all forms of graphic visual expression. The purpose of this course is to provide students with an understanding of the basic principles underlying graphics software and to make them aware of how a machine draws.

ART 200 Art Now (3 Credits)
This course explores the intersections of art, music, and popular culture throughout the late twentieth and twenty-first centuries with an introduction on modernism as the foundation. Students will investigate the creative process and socio-political and cultural contexts or art. Visits to galleries/museums or artists' studios are required.

ART 202 Philosophies of Art (3 Credits)
This course is a study of aesthetic theories in Western, African, and Eastern cultures. The course examines the meaning and value of the visual arts and the evidence from which criticism and aesthetic judgments are made.

ART 207 Painting Fundamentals (3 Credits)
Working from still life, students develop essential attitudes and technical skills in the practice of painting in this course. Through the observation of nature, students learn techniques, control of media, and perception of space, color and form.
Pre-Requisite(s): ART 105 or ART 115 and ART 110

ART 212 Metalsmithing I (3 Credits)
Metal forming is the focus of this course. Holloware, vessels, flatware and some jewelry are produced using metalsmithing tools and techniques including forging, raising, construction and finishing processes.

ART 213 Technical Drawing for Artists (3 Credits)
Artists engaged in many different fields of graphic endeavor often transmit ideas to others by means of technical drawings. Familiarity with this medium of expression is an essential part of the education of a proficient artist. Spoken or written language is usually inadequate to describe even the simplest structure or form. Drawing is the logical means of communication where relationships of shape and dimension are involved. Technical drawing is a universal language used and understood by artists throughout the world.
Pre-Requisite(s): ART 115

ART 214 Drawing & Composition II (3 Credits)
This course of study builds up on the experience of Art 115 guiding students toward a finer quality of drawing and composition and toward the development of draftsmanship and creative seeing.

ART 215 Research Documentation (3 Credits)
This course is a study of art historiography, research methods, iconology, iconography, critical analysis, criticism, and research documentation.
Pre-Requisite(s): ART 130 World Art I or ART 131 World Art II

ART 216 Sculpture I (3 Credits)
This course provides the student with an opportunity to study the structure of the human figure and its use in sculptural composition. Emphasis is placed on techniques of modeling, experimental use of wood, glass, and metal, and site specific installations.
Pre-Requisite(s): ART 111 Three Dimensional Design

ART 218 Jewelry I (3 Credits)
This course offers an introduction to the problems and techniques of jewelry making as an art form. Emphasis is placed on evolving functional, well-designed forms through an exploration of metal forming and professional craft techniques.

ART 219 Life Drawing I (3 Credits)
This is a course that provides opportunities to develop drawing techniques and perceptual acuteness by drawing from a live model and to increase one's understanding and appreciation of the human figure as a valuable source of visual expression.
Pre-Requisite(s): ART 105 or ART 115

ART 221 Introduction to Making Artist Books (2 Credits)
Students will study both traditional books and bindings and the avant-garde in this art form through the hands-on making of books. After an introduction to the history of books and book artists, an assortment of papers, structures, bindings, and methods of inputting text and images will be taught.

ART 222 Ceramics II (3 Credits)
This intermediate course emphasizes common ceramic techniques and processes such as: handbuilding sculptures, wheel-throwing, tile design, slip casting, plaster moldmaking, clay and glaze formulation, and ceramic firings.
Pre-Requisite(s): ART 104

ART 224 Digital Clay: Using CAD/CAM Technology to Create Ceramic Objects (3 Credits)
This course applies CAD/CAM technology to the ceramic process in a studio environment. Students are introduced to Rhino software to develop and create objects within both real and virtual realms. Projects incorporate both sculptural and functional considerations. An integration of hands-on and digital fabrication methods become a catalyst for contemporary.

ART 225 Illustration, War & Identity (3 Credits)
Course examines cultural responses to three decisive wars in American history that helped shape a collective sense of national identity, as delineated by illustrators working as journalists, political propagandists, or who employed themes related to these wars in mass media of the late nineteenth and early twentieth century.

ART 226 Representation & Illusion in Art (3 Credits)
This course examines how the system of linear perspective, first developed during the Renaissance, is in actuality a culturally-bound way of seeing and representing reality. Through drawing exercises, oral presentations and writing assignments, linear perspective is contrasted with traditional Chinese methods for creating a convincing illusion of three-dimensional space.

ART 227 Digital Fabrication (3 Credits)
This course will introduce students to digital fabrication techniques and their practical applications for the arts and manufacturing. 3D modeling software will be used to design forms which are suitable for production using 3D printing, CNC milling, or routing.
Pre-Requisite(s): ART 111

ART 228 Digital Sculpting (3 Credits)
This course will introduce students to digital sculpting techniques and their practical applications for artists and designers. Students will work with 3D modeling software and learn how to sculpt, texture and paint designs. The development of 2D designs into 3D objects will be a central focus. The completed forms will be 3D fabricated and finished in the appropriate material.
Pre-Requisite(s): ART 111

ART 230 Photography I (3 Credits)
A basic course in black and white photography providing the student with fundamental theory and practical photographic application. Students are instructed in the use of the camera, and film processing and printing, enabling them to create their own photographs. Students are also instructed in the assessment.

ART 232 History of Communication Design (3 Credits)
Students learn the impact of artists and designers upon the history of visual communication, including typography, illustration, photography, advertising, and other facets of design. The cultural context of major events are probed, and the influence of various movements and evolving technologies are examined.

ART 233 Preparation of Art For Printing (3 Credits)
Through practical design projects appropriate for the professional world, students learn about processes related to print design while gaining greater technical proficiency in typography and layout.
Pre-Requisite(s): ART 237 and ART 283

ART 235 Illustration I (3 Credits)
This course serves as an introduction to illustration as an art and a career. Several media are be taught, as well as the development of strong image concepts and visual problem solving. Execution of illustrations for various print media such as books and book jackets, magazines,newspapers and products are required.
Pre-Requisite(s): ART 105 or ART 115 and ART 110

ART 236 Advanced Illustration (3 Credits)
This is an advanced course intended to further develop communication skills in commercial illustration. In accordance with their interests and aptitudes, the students develop portfolios of illustrations in their unique styles. Computer generated illustration is included.
Pre-Requisite(s): ART 235 and Pre-Requisite(s): ART 283

ART 237 Typography (3 Credits)
This course examines typography as a means of communication and design. It explores traditional typographic conventions and their evolution through technological innovations. Assignments allow students to develop an aesthetic sensibility for typographic structure and an awareness of the material aspect of language.
Pre-Requisite(s): ART 105 or ART 115 and ART 110

ART 238 Drawing for Designers & Illustrators (3 Credits)
By concentrating on drawing used for design or illustration problems, this course helps students with compositional problems such as perspective, interiors, group figure situations, product rendering and conceptual development. Various media and formats used by designers and illustrators are explored. Students study the drawings and illustrations of a broad number of artists and thus gain an appreciation of style, concept and medium.
Pre-Requisite(s): ART 115 and ART 283

ART 239 Perspective 2: Onsite Architectural Sketching (3 Credits)
Designed for Illustration students who want to refine their drawing skills based on a practical knowledge of linear perspective, this course will consist of onsite sketching exercises executed with markers at various Manhattan locations. Field exercises will be supported by group classroom critiques and regular reviews of basic perspective principles.
Pre-Requisite(s): ART 238

ART 241 Self: I as Body (3 Credits)
This course is divided into two broad components that bridge a creative and scientific approach to understanding self-identity and the human form. Students study anatomy, the human nude and engage in physical activity. This course connects knowledge, creativity and somatic experience to explore the human form and identity.

ART 242 Self: Image (3 Credits)
Through the use of photography, computer graphics and mixed media, this course asks students to think about the increasingly complex relationship between our hyper-visual world of imagery and how we constantly navigate our own visual identity.

ART 243 Rendering Techniques (3 Credits)
This studio course will prepare students for more complex problems in drawing, painting and illustration. Working in a variety of media, students will learn to render form, texture and color for dramatic effect. Through a series of exercises, students will learn fundamental control of media and tools while experimenting with different surfaces. Projects not finished in class must be completed outside class hours.
Pre-Requisite(s): ART 115 and ART 283

ART 244 Large Format Phototography (3 Credits)
Students learn the use and handling of the Large Format camera, which includes using the view camera's tilt, swing, shift and rise movements to control focus, perspective and image shape with applications to commercial and fine art photography. Film exposure techniques and large format digital scanning and printing are developed.
Pre-Requisite(s): ART 230 AND ART 350

ART 245 Color Theory (3 Credits)
This course offers a comprehensive study in color, its theories, and their applications. The student is required to complete studio work with color in various media.
Pre-Requisite(s): ART 110

ART 250 Intro to Art Therapy (3 Credits)
This course explores the nature of the creative process and its relationship to human growth and development. A Rogerian approach, as well as philosophical and historical development of the Expressive Therapies are explored.
Pre-Requisite: PSYC 110

ART 252 Computer Aided Design/Computer Aided Manufacturing (3 Credits)
This course will use CAD/CAM Software to design and manufacture 3D artworks. Students will be taught to design and create 3D CAD files which are suitable for 3D printing. An emphasis will be placed on mastering the software and creating files suitable for production.

ART 255 Cut, Copy, Paste: Creative Approaches to Writing and Design (3 Credits)
Bringing together verbal and visual creative work, students will analyze and practice written forms that use visual elements. They will study traditional and experimental book and magazine design and production. Students will create book and digital media projects, like zines, featuring the class's own writing and visual productions.
Pre-Requisite(s): ENGL 101 English Composition I

ART 258 Rome: 1600: Birthplace of the Baroque (3 Credits)
Study seventeenth century Italian art in Rome, with daily field trips combined with the practice of drawing as a means of visual analysis and interpretation. The class includes stateside lectures, daily excursions to museums and walking tours of dramatic Baroque churches, palaces, fountains, and other 17th century sites while in Rome.

ART 259 The Romantic Century:1789-1889 (3 Credits)
This course offers an examination of architecture, painting, sculpture, photography and the crafts in Europe and the United States from the French revolution through the late nineteenth century with an emphasis on the social and ideological context of its creation.

ART 260 Ancient Art (3 Credits)
This course offers a study of the Arts of the Ancient World exemplified in architecture, sculpture and painting of North Africa (Egypt) and the Middle Eastern countries up to the beginning of the Greek civilization. Material for the course covers the ancient Pharaonic World and the Great Mesopotamian Civilization.

ART 261 Medieval Art (3 Credits)
This course is a study of the arts of the medieval world, including Early Christian, Byzantine, Hiberno-Saxon, Carolingian, Romanesque and Gothic periods.

ART 262 Primitive Art (3 Credits)
In this course students survey the art of the primitive Negro of Africa, the aboriginal peoples of Oceania and the American Indian. Analysis of the essential types of art within the content of the cultures from which they emerged is expected.

ART 263 Acts of resistance: Activists, Interlopers and Pranksters (3 Credits)
This course is about media subversives: people working outside of mainstream media institutions who nonetheless find creative and provocative ways to use the media for cultural, political, and/or economic critique and resistance. Over the course of the semester, we will examine a range of "alternative" media phenomena.

ART 265 Art in the United States (3 Credits)
This course is a study of the development of painting, sculpture, and architecture in the United States from the seventeenth century to the present.

ART 266 Women Artists (3 Credits)
This course presents an overview of the motivation of, and opportunities for, women artists in the last six centuries, with special emphasis on the circumstances and consciousness of women in the 21st century.

ART 267 Art of Spain (3 Credits)
This course is a study of the historical and aesthetic developments in the painting, sculpture, and architecture of Spain.

ART 268 Pre-Columbian Art (3 Credits)
This course offers a study of the arts of Peru, Mexico, and the northwest coast of South America, with attention to their role in the life and religious rituals of the cultures.

ART 269 Asian Art (3 Credits)
This course is a study of the major arts of the Oriental world, with emphasis on their relationship to the philosophic, religious, and cultural contexts in which they developed.

ART 270 Acts of Resistance: DIY + Making (3 Credits)
This is a course about media subversives: people working outside of mainstream media institutions who nonetheless find creative and productive ways to use the media for cultural, political, and/or economic critique and resistance. Over the course of the semester, we will examine a range of "alternative" media phenomena.

ART 271 Body Adornment: Design, Culture and History (3 Credits)
Body adornment has always played a significant role in human history and culture. Students in this course will create studio jewelry and examine body adornment through diverse cultural perspectives and how it informs cultural standards of beauty, social and religious obligations and serves as a form of personal communication.

ART 275 Japanese Popular Culture and Art (3 Credits)
Course will explore the rich relationship between Japanese popular culture and art from manifold perspectives based on key themes. Focusing on the contemporary era after 1945, the course will navigate through the worlds of Japanese art, architecture, design, anime, manga, fashion, film, and literature, employing interdisciplinary approaches.

ART 280 Creative Cartoons & Comics (2 Credits)
Course focuses on developing drawing, painting, and imaginative skills for the purpose of creating cartoons, comic strips, and caricatures suitable for commercial reproduction. Careful attention is applied to unfolding personal approaches to humor and social and political commentary.
Pre-Requisite(s): ART 115 and ART 238

ART 283 Introduction to Graphic Design (3 Credits)
In this course students learn to give visual form to communication, using color, type, and images. The principles of design are employed through projects intended to develop a student's visual vocabulary, and reinforce an understanding of the connection between form, content, and purpose.
Pre-Requisite(s): ART 110

ART 285 Motif Research & Development (3 Credits)
This course focuses on developing creative problem solving techniques that utilize research to establish a critical foundation from which to create visual solutions. All projects encourage in-depth research from a multiple of sources including studio art techniques, art theory, and cultural perspectives.

ART 286 Plotting Global Climate Change: Information Graphics for Sciences (3 Credits)
With this design course you will be introduced to the field of information design. You will learn how to build a visual "argument" with quantitative information by locating relevant data, interpreting the data, and choosing the correct visual structure to fit the data. Finally, you will create and display your original quantitative research with a designed information poster supported by your informed oral presentation.

ART 300 Portrait Painting (3 Credits)
This course develops the perceptual understanding of the planar structure of the head combined with instruction in realistic painting techniques. The properties of form, color, and composition are investigated in order to create representational paintings.
Pre-Requisite(s): ART 207 and ART 219

ART 301 Methods & Techniques in Art Therapy (3 Credits)
Second in the series of courses in the art therapy sequence, this course addresses itself to the practical application of the theoretical knowledge gained in Art 250. Specific methods and techniques using art media in therapeutic settings are taught along with demonstrations.
Pre-Requisite(s): ART 250

ART 302 Art in Elementary School (3 Credits)
Develops an understanding of Art teaching and its procedures in the area of curriculum, materials, and art appreciation. Children's perceptual and creative development are covered.

ART 303 Ceramics III (3 Credits)
This is an advanced course in ceramic making with increased opportunity for individual development. Technical skills covered may include: glaze formulation, surface design, flexible mold making, atmospheric firings, cold surfacing, and large scale handbuilding.
Pre-Requisite: ART 222

ART 304 Ceramic Sculpture (3 Credits)
This course builds on the previous experience of Ceramics and Sculpture courses. Emphasis is placed on the aesthetic use of the creative imagination in the forming and surfacing of clay sculpture. Glaze formulation for sculpture, cold surfacing, and approaches to large-scale firings are covered.
Pre-Requisite(s): ART 104 and ART 216

ART 305 Life Drawing II (3 Credits)
This course builds on the experience of Art 219 Life Drawing I, guiding students toward a finer quality in drawing and emphasizes the exploration of individual problems and the development of a personal style.
Pre-Requisite(s): ART 219

ART 307 Relief Printing (3 Credits)
This course provides instruction and experience in the many techniques of relief printing including woodcut, lino-cut, and flexography (digital platemaking). The role of creative exploration and the development of technical mastery are emphasized.
Pre-Requisite(s): ART 105 or ART 110 or ART 115

ART 308 Intaglio Printing (3 Credits)
This course provides experience with intaglio printmaking processes including drypoint and engraving, and the etching techniques of aquatint, hard and soft ground, embossing and lift ground techniques. Multi-color and black and white printing methods, as well as the techniques of edition, or multiple, printing are explored.
Pre-Requisite(s): ART 105 or ART 110 or ART 115

ART 309 Silkscreen (3 Credits)
This course provides students with studio instruction in the techniques of Silkscreen printing including analogue, photo, and digital systems. The creative potential for producing fine art and commercial prints is explored.
Pre-Requisite(s): ART 105 or ART 110 or ART 115

ART 310 Digital Illustration I (3 Credits)
Students gain hands-on experience with raster-based software to create technically and conceptually successful illustrations. Various drawing and painting software techniques are introduced. Use of scanners, digital cameras and various output options are examined.
Pre-Requisite(s): ART 185, ART 214 and ART 235

ART 311 Lithography (3 Credits)
Instruction in the techniques of Lithographic Printing, on stone and plate, to produce black and white and color prints is provided. The methods of multiple or edition printing are explored.
Pre-Requisite(s): ART 105 or ART 110 or ART 115

ART 312 Metalsmithing II (3 Credits)
This course offers an advanced coverage of the concepts, techniques, aesthetics, historical and functional dimensions of metalsmithing with an emphasis on well designed , innovative flatware, servers, vessels, etc.
Pre-Requisite(s): ART 212

ART 315 Book & Magazine Design (3 Credits)
This course focuses on multiple-page publications. While exploring typographic lay-out strategies, students will acquire increased competency in technical abilities. A wide variety of stylistic choices and design methodologies are introduced through historical and contemporary design-examples, and an iterative working-process encourages individual growth.
Pre-Requisite(s): ART 237 and ART 283

ART 316 Sculpture II (3 Credits)
This course builds on the experience of Sculpture I providing the student with a concentration in carving and construction. Emphasis is placed on imagination and visual sensitivity directed toward the ability to create an aesthetic form.
Pre-Requisite(s): ART 216

ART 319 Jewelry II (3 Credits)
This is an advanced course designed to further knowledge and skill in the design and fabrication of jewelry as an art form. The interrelationship between fine design, technical facility and material potential are explored in greater depth. Emphasis is placed on the use of specialized equipment in working with precious metals and other materials.
Pre-Requisite(s): ART 218

ART 320 Classical Animation (3 Credits)
Classical Animation will introduce students to the principles of traditional hand-drawn cell animation and to the various materials used in the production of this art form. The purpose of the course is to develop awareness and appreciation of the art of animation and to provide opportunities for creative expression in this area, by using the tools of animation. It will also offer a foundation for those students who wish to pursue a career in animation and/or related fields.
Pre-Requisite(s): ART 105

ART 321 Renaissance Art (3 Credits)
This course is a study of European painting, sculpture, and architecture from 1400 to 1600 with attention to historical and cultural background, and an emphasis on the art of Italy and its impact on other European countries.

ART 322 Advanced Typography (3 Credits)
Through demonstrations, slides, discussions and hands-on creative projects this course will help build a strong understanding of what goes into achieving successful typographic design. We will explore strategies in making sound typeface selection decisions, combining typefaces, and complex hierarchies. Also addressed: fine-tuning long passages of text, multiple column layouts, and typographic grids. Best practices and issues related to both print and interactive media will be covered.
Prerequisites: ART 110 Two Dimensional Design, ART 237 Typography, ART 283 Introduction to Graphic Design

ART 324 Casting for Jewelers (3 Credits)
This course focuses on the vacuum assisted lost wax methods of casting and other associated casting methods used in jewelry making. Aesthetic, technical and historical approaches interact during design, development, wax modeling, molding, firing and finishing processes.

ART 325 Modern Art (3 Credits)
In this study of painting, sculpture, and architecture from 1800 to 1940, students explore philosophic relationships and their historical and cultural background.

ART 326 17th and 18th Century Art (3 Credits)
This course is a study of painting, sculpture and architecture in the Western world from 1600 to 1800 with attention to their historical and cultural background.

ART 327 Art of Latin America (3 Credits)
This course is an art historical examination of Latin American painting, sculpture, architecture, craft, and other visual media from the 16th Century to the 21st Century, focusing on visual artistic developments in Mesoamerica, South America, and the Caribbean, as well as studying manifestations of Latina(o) art in the United States.

ART 328 Classical Art (3 Credits)
This course is a study of the arts of the Classical world from their origins in archaic Greece to the end of the Roman period. Emphasis is placed on the classic Greek and Roman periods.

ART 330 Gallery Management I (3 Credits)
This course provides students with an introduction to the varied aspects of art gallery management through practical experience in planning and installing exhibitions in the University galleries.

ART 331 Gallery Management II (3 Credits)
This course is a continuation of the planning and exhibition experience gained in Gallery Management I.
Pre-Requisite(s): ART 330

ART 334 Packaging Design (3 Credits)
This is a project-based creative exploration of packages where innovation is encouraged. Students make prototypes which translate from two to three dimensions, created to convey brand identity while containing and protecting products. The course includes marketing concerns, with emphasis on sustainability and evolving consumer attitudes.
Pre-Requisite(s): ART 237 and ART 283

ART 343 Branding Design (3 Credits)
The world of adverting...its philosophies, problems, and varying solutions are introduced in this course. Studio projects consist of layout and letter rendering and art and type selection stressing design composition and creativity. The multiple steps in developing an ad for newspapers, magazines and direct mail are covered.
Pre-Requisite(s): ART 237 and ART 283

ART 344 Advanced Advertising Design (3 Credits)
Students examine advertising in terms of its underlying cultural messages while producing creative projects. Issues of identity and branding are explored, as students design multiple components intended to function as a system, potentially including static, interactive, and sequential visual communication experiences.
Pre-Requisite(s): ART 343

ART 350 Photography II (3 Credits)
This course offers a further investigation into aesthetic and technical choices available to the black and white photographer. Students are introduced to a variety of papers, films, cameras, and darkroom possibilities. Emphasis is placed on the students' technical understanding and skills and their relationship to personal vision.
Pre-Requisite(s): ART 230

ART 351 Color Photo I (3 Credits)
This course offers a study of the photographic techniques of color processing and printing from negatives and slides, and the concepts of color theory and physics. The use of drum and commercial automatic processors are explored. The aesthetic possibilities of color is emphasized. Required: 35 mm camera and light meter. Students incur semester photography costs.
Pre-Requisite(s): ART 230

ART 352 Studio Lighting (3 Credits)
This course focuses on the use of photography studio lighting equipment and techniques. Students learn the importance of lighting in photography and the skills to create a variety of artificial lighting situations. Emphasis is placed on manipulating light in the studio for applications to commercial, and fine art photography.
Pre-Requisite(s): ART 244 and ART 350 or Permission of the Instructor

ART 353 Documentary Photo (3 Credits)
This course provides an overview of the history, socio-cultural influences, modes of expression and a survey of past and contemporary visual storytellers. Students develop the skills to produce comprehensive documentary projects, explore the process, ideological issues that arise, and push their understanding and the development of a documentary language.
Pre-Requisite(s): ART 350

ART 354 Photographics (3 Credits)
This course explores new forms of printing combining processes from the earliest days of photography with the latest advances in digital media. Students will explore a number of vintage and experimental photographic processes, including cyanotype, and gum bichromate using hybrid forms that combine old and new methods with conceptual challenges.
Pre-Requisite(s): ART 350

ART 356 Advanced Darkroom Techniques (3 Credits)
This is an advanced black and white printing course helping students develop a working knowledge of photographic chemistry and densitometry. The professional applications of quality control in commercial process printing, archival printing and processing for fine art work, and aesthetic presentation techniques are covered.
Pre-Requisite(s): ART 350

ART 357 Digital Imaging Photography (3 Credits)
This course explores the evolving media of digital photography, as well as the issues surrounding digital imagery. Digital capture, scanning, image editing and output are covered. The hands on nature of this course gives a thorough introduction to these techniques so that students can become fluent in producing digital images.

ART 358 Advanced Digital Imaging (3 Credits)
This course will give intermediate students a deeper understanding of intermediate to advanced level workflows for film capture and scanning, digital camera RAW file capture, advanced tonal and color correction techniques, image editing, Raw file processing and large-format printing. Lectures address contemporary issues the creation of a portfolio of images.
Pre-Requisite(s): ART 357 or Permission of the Instructor

ART 371 Fashion Photography (3 Credits)
This course introduces the students to the techniques, history and aesthetics of fashion photography. The use of photography as an aesthetic/marketing tool and as an editorial/commercial device are covered. Students develop problem solving techniques to produce finished projects in a pressure or deadline situation. Experimentation is encouraged to allow the students' development of a personal style or point of view. Required: Students incur semester photography costs.
Pre-Requisite(s): ART 230, ART 350 and ART 352.

ART 380 Advertising Photography (3 Credits)
This course deals with photography's role as vehicle to sell a product or concept. The professional and aesthetic concepts as well as the techniques and problems experienced in professional advertising photography are covered. Attention is focused on the execution of advertising concepts based on consumer psychology and photography as an effective means of communication. Required. Camera and light meter. Students incur semester photography costs.
Pre-Requisite(s): ART 230, ART 350 and ART 352 or ART 244

ART 393 Clinical Practice I (2 Credits)
A graded field experience that meets for the entire semester and utilizes hands on experience in the urban educational setting. Knowledge of child development is observed and applied to Art Education practice. Special attention is devoted to the delivery of developmentally appropriate practice to children and their families.

ART 398 Studio Research I (2 Credits)
An introduction to the development of the thesis project, this course encourages individual growth and professionalism through a variety of experiences. Included are lectures by faculty and visiting professionals, peer critiques and field trips. Through individual research and studio practice, students are expected to begin to achieve a synthesis of their undergraduate experience. Required for both BA and BFA degree candidates.
Pre-Requisite(s): Minimum 60 Credits in Art

ART 399 Studio Research II (2 Credits)
This course guides the BFA student toward a professional approach to a substantive studio practice and thesis project. It is a synthesis of a student's undergraduate experience. Aspects of the course include self-directed research, lectures by faculty and visiting professionals, readings, discussion, critiques and field trips.
Pre-Requisite(s): Minimum 60 Credits in Art

ART 402 Sculpture III (3 Credits)
This course provides students with an opportunity for the advanced sculpture student to plan and execute projects of one's own choice. The work is self-directed in any medium with critiques from the sculpture faculty.
Pre-Requisite(s): ART 316

ART 403 Group Art Therapy (3 Credits)
This course explores the means by which healthy interpersonal relationships can be attained within a group setting with the help of non-verbal, inanimate art media. Specific art and therapy techniques, the role of the leader, materials of observation, recording, interventions, and non-interventions are explored.
Pre-Requisite(s): ART 250

ART 404 Figure Painting (3 Credits)
This course deals with the investigation of the relationship of structure within the figure and throughout the whole composition with emphasis given to expressive content and figure-ground coherence.
Pre-Requisite(s): ART 207 and ART 219

ART 405 Experimental Painting (3 Credits)
Painting research into styles and techniques which are considered as alternate possibilities in solving painting problems. Various techniques used in design, photography, and advertising are encouraged.
Prerequisite(s): ART 106, ART 110 and ART 207

ART 406 Advanced Ceramics (3 Credits)
Additional forming and surface techniques are examined to increase the students' opportunities to find a personal approach to their work. Students are encouraged to continue to study glaze formulation, application and firing techniques. Increased emphasis will be placed on developing personal solutions to aesthetic problems.
Pre-Requisite(s): ART 303

ART 409 Enameling for Jewelers (3 Credits)
This course explores opaque and translucent enameling processes on copper and fine silver, combined with continued advanced work in jewelry design and fabrication.
Pre-Requisite(s): ART 319

ART 410 Advanced Jewelry (3 Credits)
This is an advanced course providing experience in casting, prong gem setting, 3-D forms, anodizing, and jewelry design and fabrication in gold.
Pre-Requisite(s): ART 409

ART 411 Color Photography II (3 Credits)
This course is a continuation of ART 351 Color Photography I. It is devoted to the printing of the color negative and slide and the visual use of color as the dominant aesthetic design element. The professional applications of the aesthetics and techniques of color photography and the development of a personal color portfolio are emphasized. Required: 35mm camera and light meter. Note: Students incur semester photography costs.
Pre-Requisite(s): ART 230 and ART 350

ART 412 Advanced Printmaking (3 Credits)
Advanced Printmaking will provide the opportunity for students to pursue in depth one or more of the printmaking processes of serigraphy (silkscreen), relief, lithography, intaglio (etching), digital and photo-print, or a combination of these. Students will develop an individual, creative approach to and an expanded understanding of the selected medium.
Pre-Requisite(s): ART 307, ART 308, ART 309, OR ART 311

ART 415 Studio Painting (3 Credits)
This is the advanced painting course in the B.F.A. Fine Arts Specialization. It is a course individualized to student needs based on interests identified by the student and those painting problems and alternate solutions identified by the faculty. This course is offered each semester.
Prerequisites: ART 207, ART 300, ART 404 or ART 405

ART 416 Advanced Printmaking II (3 Credits)
Advanced Printmaking will provide the opportunity for advanced students to pursue in depth one or more of the printmaking processes of serigraphy (silkscreen), relief, lithography, intaglio (etching), digital and photo-print, or a combination of these. Students will develop an individual, creative approach to and an expanded understanding of the selected medium, as well as explore the possibilities and demands of edition printing.

ART 419 Casting for Jewelers II (3 Credits)
This course will focus on advanced casting techniques for artisans producing one-of-a-kind and production jewelry. Traditional and digital methods of creating wax models will be taught with the goal of casting them in various metals. All castings will be done in class using the nonferrous metal of choice.

ART 425 Digital Illustration II (3 Credits)
This is an advanced digital course using vector-based applications, which may be combined with raster-based software, learned in Digital Illustration I. Technical, creative and conceptual aspects of making digital art for print and interactive use are explored. Drawing and painting software techniques are investigated.
Pre-Requisite: ART 185 or ART 310

ART 426 Motion Graphics (3 Credits)
Through narrative and experimental structures, this course will explore message impact and brand identity while combining kinetic typography, animation, sound and video. Historic precedents are presented. Industry-standard software for time-based sequential media will be covered.

ART 430 Web Design (3 Credits)
This course offers a thorough introduction to interactive concepts, issues and methods, including HTML, CSS, SEO, content management systems, and some UX, UI design. Students gain an understanding of the Internet's evolution, current protocols and browser requirements, as they build web pages.
Pre-Requisite(s): ART 237; ART 283; and either ART 233 or ART 315

ART 444 Photo as a Fine Art (3 Credits)
This course addresses the creation and critical understanding of lens-based practices. Advanced students are encouraged to develop a working methodology that leads to a personal and consistent engagement with photography in the broadest possible artistic context. Issues in contemporary photographic practice and critical writings are discussed.
Pre-Requisite(s): Permission of instructor

ART 445 Professional Application of Photography (3 Credits)
This course prepares the upper level photography student to prepare for a professional practice in the photographic industry. in both a commercial and fine art context. Students develop a professional level portfolio, and are prepared for the breadth of issues professional photographers face and exhibition opportunities and strategies.
Pre-Requisite(s): Permission of instructor

ART 446 User Experience and User Interface Design (3 Credits)
This course integrates foundational aspects of graphic design with advanced interactive skills and design processes to explore creative solutions for graphic and interactive media and devices. Students apply UX techniques to organize and sequence interactive information, while making human-centered choices for interfaces.

ART 447 Corporate Publication Design (3 Credits)
This is an advanced course in the creation of the corporate image from long-term logo design through business pieces such as letterheads, annual reports and self-promotional brochures and advertising. Study of psychological and philosophical aspects behind corporate image development is included. Paper selection and new printing techniques are explored. Students have the opportunity to work on projects for various organizations, resulting in printing portfolio pieces.
Pre-Requisite(s): ART 237 and ART 283

ART 448 Information Design (3 Credits)
Information design organizes statistical, theoretical, numerical, spatial, sequential, textual data in visual form. Computer modeling tools, layout and charting programs for data import and linking are utilized. Students create visual reports that integrate structures for information such as maps, charts, tables, graphs along with textual information.
Pre-Requisite(s): ART 315 OR ART 343

ART 450 Portfolio Preparation (1 Credit)
This course provides advisement for students about preparing portfolios of their art in ways which reflect individual talents, encourages job placement and takes advantage of new technology. Resumes, cover letters are written. Other forms of self-promotion, memberships in professional organizations, networking skills, and job research are explored.
Pre-Requisite(s): Seniors only

ART 451 Location Photography (3 Credits)
This course prepares the advanced student for the demanding work of the location photographer. It is structured so that the student takes an active role in determining the scope and duration of the topics covered. Lectures, demonstrations, discussions, and critiques are combined with several field trips, where the student works with faculty supervision, creating photographs under various and sometimes adverse circumstances. Creative problem solving and development of a personal photographic style are stressed.
Pre-Requisite(s): ART 244 or Permission of the Instructor

ART 460 Architectural and Industrial Photography (3 Credits)
Focusing on the materials and methods of studio product and on-site architectural shooting, students develop a knowledge of equipment in studio and location work to control the image and produce an effective photograph. The dynamics of working with a client are covered. Students incur semester photography costs.
Pre-Requisite(s): ART 230, ART 350 and ART 352 or ART 244

ART 465 Bachelor Fine Arts Seminar (1 Credit)
The seminar covers the professional implications and applications of the student's final thesis work toward the BFA degree. It consists of meeting with a mentor on an individual basis and participating in a seminar discussion group culminating in the BFA exhibition.
Pre-Requisite(s): BFA Seniors

ART 469 Clinical Practice II (8 Credits)
Students plan instruction, assess student learning and experience the dynamics of classroom management under the guidance of an experienced art educator in this field based course. Students assume the full responsibilities of a classroom teacher during the course of the semester, including the in-class and out of class activities normally assigned to teachers.
Pre-Requisite(s): ART 393, ART 520, and a score of 158 on Art: Content Knowledge Score.

ART 490 Honors in Art I (3 Credits)
This course permits students to work independently on a studio art project n consultation with a faculty mentor. It allows for in-depth studio work based on concepts and techniques developed in previous studio art courses. Students must be recommended by an instructor in their chosen area who will supervise their work.
Pre-Requisite(s): Permission of Chair

ART 491 Honors in Art II (3 Credits)
This course permits students to work independently on a studio art project in consultation with a faculty mentor. It allows for in-depth studio work based on concepts and techniques developed in previous studio art courses. Students must be recommended by an instructor in their chosen area who will supervise their work.
Pre-Requisite(s): Permission of Chair

ART 492 Independent Study In Art (1 Credit)
This course allows the student, under faculty supervision, to execute and solve a specific problem that is related to the student's specialization. Students must be recommended by an instructor in their chosen area who will supervise their work.
Pre-Requisite(s): Permission of Chair

ART 493 Special Projects In Art (3 Credits)
This course offers an opportunity for students of demonstrated ability in art to plan and execute art works for the University or for other areas in the community. It includes the planning and execution of the works under faculty direction.
Pre-Requisite(s): Permission of Chair

ART 501 Art Classroom Management (1 Credit)
Candidates learn knowledge and skills specific to classroom management for Art instruction K-12, including Special Needs and Gifted/Talented students. Seminars address behavior management specific to an art classroom; health and safety with art materials; the organization of the art classroom and "art-on-a-cart" situations; and developmentally appropriate assessment for art production.
UG Pre-Requisite(s): EDU 301, LTED 330, and Permission.

ART 510 Case Studies in Art Therapy (3 Credits)
Through the analyses of written cases of key practitioners of art therapy, relevant information is discussed and absorbed into one's own methods for writing and presenting case studies.
Prerequisites: ART 250 and PSYC 110

ART 520 Foundations & Goals in Art Education (3 Credits)
This course develops an understanding of teaching methodology specific to Art Education. Lesson and Unit plan development teaches students to integrate art materials, art history and visual literacy with curricular Outcomes and the cognitive development of children at different grade levels in the P-12 Art classroom.
UG Pre-Requisite(s): Permission of Art Teacher Certification Coordinator

ART 530 Pedagogy in Art Education (3 Credits)
This course focuses on contemporary pedagogy and teaching strategies for art instruction in the P-12 school setting. The subject matter content of Art is explored in relation to studio supplies, cognitive development, interdisciplinary curricula; museum based learning; contemporary art; technology and the National Core Art Standards.
UG Permission of ATCP Coordinator and ART 393
GR Pre-Requisite: Department Consent

Art—B.A. Art Therapy

Art therapy uses the arts to help people grow, and to enable them to work out emotional problems. An art therapist uses a broad range of traditional

and nontraditional media with clients, from drawing and ceramics, to poetry, movement, and performance of various sorts.

REQUIREMENTS FOR ADMISSION AND PROGRESS

- There is no formal review process for admission to the BA in Art Therapy program
- Students must maintain a minimum cumulative undergraduate grade point average (CGPA) of 2.0 in order to graduate.

TRANSFER STUDENTS

Transfer students should meet with a department advisor or the department chair for a review of transfer credits that may be applied to this degree.

Minimum GPA Requirement: 2.0

Total Credit Hours: 76

Code	Title	Credits
Required Foundation Courses:		**12**
ART 110	Two Dimensional Design	3
ART 111	Three Dimensional Design	3
ART 115	Drawing Studio I	3
ART 185	Computer Graphics	3
Required Art History Courses:		**6**
ART 106	Contemporary Art	3
ART 131	World Art II	3
Required Art History Elective (select 1 course):		**3**
ART 170	Time Travel: Introduction to Time-Based Art	3
ART 200	Art Now	3
ART 263	Acts of resistance: Activists, Interlopers and Pranksters	3
ART 266	Women Artists	3
ART 275	Japanese Popular Culture and Art	3
Required Art Therapy Courses:		**9**
ART 250	Intro to Art Therapy	3
ART 301	Methods & Techniques in Art Therapy	3
ART 403	Group Art Therapy	3
Required Psychology and Counseling Courses:		**18**
PSYC 110	Introduction to Psychology	3
PSYC 150	Developmental: Birth Through Adolescence	3
PSYC 152	Development Adolescence to Adulthood	3
PSYC 301	Abnormal Psychology	3
PSYC 345	Personality Theory	3
PSYC 372	Introduction To Counseling	3
Required Studio Art Courses:		**19**
ART 104	Ceramics I	3
ART 207	Painting Fundamentals	3
ART 219	Life Drawing I	3
ART 304	Ceramic Sculpture	3
ART 300	Portrait Painting (or ART 404 Figure Painting)	3
ART 307	Relief Printing	3
ART 450	Portfolio Preparation	1
Electives (select 3 courses):		**9**
Any 3 Studio Art, Psychology, or Co-operative Education Course		6
ART 222	Ceramics II	3
ART 230	Photography I	3
ART 305	Life Drawing II	3
ART 242	Self: Image	3
PSYC 235	Experimental Psychology	4
PSYC 341	Perception	3
PSYC 344	Cognitive Psychology	3
PSYC 414	Contemporary Issues in Psychology	3
PSYC 427	Seminar: Clinical Psychology	3
ART 510	Case Studies in Art Therapy	3
SPFD 421	Cooperative Education and Internship - College of Arts & Sciences (4 credits)	4
Total Art Therapy Credits:		76

Minimum GPA Requirement: 2.0

Freshman		
Semester 1		**Credits**
ART 110	Two Dimensional Design	3
ART 115	Drawing Studio I	3
	Credits	**6**
Semester 2		
ART 131	World Art II	3
ART 111	Three Dimensional Design	3
ART 185	Computer Graphics	3
	Credits	**9**
Sophomore		
Semester 1		
PSYC 110	Introduction to Psychology	3
ART 104	Ceramics I	3
ART 106	Contemporary Art	3
ART 219	Life Drawing I	3
	Credits	**12**
Semester 2		
PSYC 150	Developmental: Birth Through Adolescence	3
ART 207	Painting Fundamentals	3
ART 304	Ceramic Sculpture	3
PSYC 301	Abnormal Psychology	3
	Credits	**12**
Junior		
Semester 1		
PSYC 152	Development Adolescence to Adulthood	3
ART 250	Intro to Art Therapy	3
ART 300 or ART 404	Portrait Painting or Figure Painting	3
	Credits	**9**
Semester 2		
Art History Elective Course		3
ART 301	Methods & Techniques in Art Therapy	3
ART 307	Relief Printing	3

PSYC 372	Introduction To Counseling	3
	Credits	**12**
Senior		
Semester 1		
PSYC 345	Personality Theory	3
ART 403	Group Art Therapy	3
Art Elective Course		3
	Credits	**9**
Semester 2		
ART 450	Portfolio Preparation	1
ART 510	Case Studies in Art Therapy	3
Art Elective Course		3
Art Elective Course		
	Credits	**7**
	Total Credits	**76**

Student Learning Outcomes

Upon completion of the Art Therapy program, students will be able to:

1. Understand the origins of the creative process from an integrated physical, sociological, psychological perspective.

2. Develop an understanding of the nature of the creative process as an integral part of human growth and development.

3. Develop skills, [objective, perceptive and deductive] which enable the student to be a clear observer of human behavior.

4. Develop interpretive skills which enable them to respond to the uniqueness of individuals who are in a state of crisis.

5. To develop technical and aesthetic skills with art materials appropriate to populations/diagnoses in conduction with short-term and long-term treatment goals.

Art—B.A. Fine Arts and Crafts*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The Fine Arts and Craft specialization offers the student a course of study that fosters the ability to invent and fabricate unique, hand-crafted objects. Exploring a range of traditional and contemporary technologies, students are challenged to pose meaningful questions through their art-making practice. Problem solving and self-expression are emphasized in this liberal art degree, as students advance their understanding of the world and its people.

REQUIREMENTS FOR ADMISSION AND PROGRESS

- There is no formal review process for admission to the BA in Art program.
- Students must maintain a minimum cumulative undergraduate grade point average (CGPA) of 2.0 in order to graduate.

TRANSFER STUDENTS

Transfer students should meet with a department advisor or the department chair for a review of transfer credits that may be applied to this degree track.

Minimum GPA Requirement: 2.0
Total Credit Hours: 58

Code	Title	Credits
Required Foundation Courses:		**12**
ART 110	Two Dimensional Design	3
ART 111	Three Dimensional Design	3
ART 115	Drawing Studio I	3
ART 185	Computer Graphics	3
Required Art History Courses:		**6**
ART 106	Contemporary Art	3
ART 131	World Art II	3
Required Art History Elective (choose 1):		**3**
ART 170	Time Travel: Introduction to Time-Based Art	3
ART 200	Art Now	3
ART 263	Acts of resistance: Activists, Interlopers and Pranksters	3
ART 266	Women Artists	3
ART 275	Japanese Popular Culture and Art	3
Required FA&C Studio Courses:		**15**
ART 104	Ceramics I	3
ART 207	Painting Fundamentals	3
ART 214	Drawing & Composition II	3
ART 219	Life Drawing I	3
ART 304	Ceramic Sculpture	3
Required Fine Arts & Crafts Studio Electives (Select 5 FA&C courses):		**15**
ART 222	Ceramics II	3
ART 245	Color Theory	3
ART 300	Portrait Painting	3
ART 303	Ceramics III	3
ART 305	Life Drawing II	3
ART 307	Relief Printing	3
ART 404	Figure Painting	3
ART 406	Advanced Ceramics	3
Non-Fine Arts and Crafts Electives (Select 2 courses):		**6**
ART 230	Photography I	3
ART 235	Illustration I	3
ART 243	Rendering Techniques	3

ART 244	Large Format Phototography	3
ART 283	Introduction to Graphic Design	3
ART 309	Silkscreen	3
ART 350	Photography II	3
ART 352	Studio Lighting	3
ART 357	Digital Imaging Photography	3
Senior Class:		**1**
ART 450	Portfolio Preparation	1
Total Credits in Art:		**58**

NOTE: Students must complete a minimum of 16 Art credits at 300-level or above.

Minimum GPA Requirement: 2.0

Freshman		
Semester 1		**Credits**
ART 110	Two Dimensional Design	3
ART 115	Drawing Studio I	3
	Credits	**6**
Semester 2		
ART 111	Three Dimensional Design	3
ART 131	World Art II	3
ART 185	Computer Graphics	3
	Credits	**9**
Sophomore		
Semester 1		
ART 104	Ceramics I	3
ART 219	Life Drawing I	3
ART 106	Contemporary Art	3
	Credits	**9**
Semester 2		
ART 207	Painting Fundamentals	3
ART 214	Drawing & Composition II	3
ART 304	Ceramic Sculpture	3
	Credits	**9**
Junior		
Semester 1		
Fine Arts & Crafts (FA&C) Studio Art Elective		3
Graphic Arts & Design (GA&D) Studio Art Elective		3
	Credits	**6**
Semester 2		
Fine Arts & Crafts (FA&C) Studio Art Elective		3
Graphic Arts & Design (GA&D) Studio Art Elective		3
Art History Elective		3
	Credits	**9**
Senior		
Semester 1		
Fine Arts & Crafts (FA&C) Studio Art Elective		3
Fine Arts & Crafts (FA&C) Studio Art Elective		3
	Credits	**6**
Semester 2		
ART 450	Portfolio Preparation	1
Fine Arts & Crafts (FA&C) Studio Art Elective		3
	Credits	**4**
	Total Credits	**58**

Student Learning Outcomes

Upon completion of the Fine Art and Craft program, students will be able to:

1. Compose artworks in a range of visual art studio practices with technical proficiency.
2. Analyze formal elements of works of art, craft, and design or other items of material culture.
3. Interpret works of art in light of the social and historic context in which they were produced.
4. Develop a general art/design portfolio.

Art—B.A. Graphic Arts and Design*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The Graphic Arts and Design specialization offers a course of study focused on the production of multiples, mass media, graphic design and imaging technology. Visual problem solving and information literacy are emphasized as students improve their understanding of design. This liberal arts degree provides students with a broad range of graphic knowledge, tools and skills that gives them a sense of the integrated complexity of 21st century problems.

REQUIREMENTS FOR ADMISSION AND PROGRESS

- There is no formal review process for admission to the BA in Art program
- Students must maintain a minimum cumulative undergraduate grade point average (CGPA) of 2.0 in order to graduate.

TRANSFER STUDENTS

Transfer students should meet with a department advisor or the department chair for a review of transfer credits that may be applied to this degree track.

Minimum GPA Requirement: 2.0
Total Credit Hours: 58

Code	Title	Credits
Required Foundation Courses:		**12**
ART 110	Two Dimensional Design	3
ART 111	Three Dimensional Design	3
ART 115	Drawing Studio I	3
ART 185	Computer Graphics	3
Required Art History Courses:		**6**
ART 106	Contemporary Art	3

ART 131	World Art II	3
Required Art History Elective (choose 1):		**3**
ART 170	Time Travel: Introduction to Time-Based Art	3
ART 200	Art Now	3
ART 263	Acts of resistance: Activists, Interlopers and Pranksters	3
ART 266	Women Artists	3
ART 275	Japanese Popular Culture and Art	3
Required GA&D Studio Courses:		**15**
ART 230	Photography I	3
ART 233	Preparation of Art For Printing	3
ART 243	Rendering Techniques	3
ART 283	Introduction to Graphic Design	3
ART 309	Silkscreen	3
Required Graphic Arts & Design Studio Electives (Select 5 GA&D courses. Only 2 courses per Concentration are permitted):		**15**
ART 350	Photography II	3
ART 352	Studio Lighting	3
ART 357	Digital Imaging Photography	3
ART 358	Advanced Digital Imaging	3
ART 235	Illustration I	3
ART 237	Typography	3
ART 238	Drawing for Designers & Illustrators	3
ART 307	Relief Printing	3
ART 412	Advanced Printmaking	3
ART 315	Book & Magazine Design	3
ART 343	Branding Design	3
ART 310	Digital Illustration I	3
ART 425	Digital Illustration II	3
Non-Graphic Arts and Design Electives (Select 2 of the following Art courses outside of GA&D):		**6**
ART 214	Drawing & Composition II	3
ART 219	Life Drawing I	3
ART 305	Life Drawing II	3
ART 245	Color Theory	3
ART 207	Painting Fundamentals	3
ART 300	Portrait Painting	3
ART 404	Figure Painting	3
ART 104	Ceramics I	3
ART 222	Ceramics II	3
ART 303	Ceramics III	3
ART 304	Ceramic Sculpture	3
Senior Class		**1**
ART 450	Portfolio Preparation	1
Total Art Credits:		**58**

NOTE: Students must complete minimum of 16 Art credits at 300-level or above.
NOTE: Students who do not have an Associate in Arts (A.A.) degree must also refer to the NJCU General Education Program Course Guide for additional degree requirements.

Minimum GPA Requirement: 2.0

Freshman		
Semester 1		**Credits**
ART 110	Two Dimensional Design	3
ART 115	Drawing Studio I	3
	Credits	**6**
Semester 2		
ART 111	Three Dimensional Design	3
ART 131	World Art II	3
ART 185	Computer Graphics	3
	Credits	**9**
Sophomore		
Semester 1		
ART 106 or ART 243	Contemporary Art or Rendering Techniques	3
ART 230	Photography I	3
ART 233 or ART 237	Preparation of Art For Printing or Typography	3
	Credits	**9**
Semester 2		
ART 283	Introduction to Graphic Design	3
ART 243	Rendering Techniques	3
Graphic Arts & Design (GA&D) Studio Art Elective		3
	Credits	**9**
Junior		
Semester 1		
ART 309	Silkscreen	3
Graphic Arts & Design (GA&D) Studio Art Elective		3
	Credits	**6**
Semester 2		
Art History Elective		3
Graphic Arts & Design (GA&D) Studio Art Elective		3
Fine Arts & Crafts (FA&C) Studio Art Elective		3
	Credits	**9**
Senior		
Semester 1		
Graphic Art & Design (GA&D) Studio Art Elective		3
Fine Arts & Crafts (FA&C) Studio Art Elective		3
	Credits	**6**
Semester 2		
ART 450	Portfolio Preparation	1
Graphic Art & Design (GA&D) Studio Art Elective		3
	Credits	**4**
	Total Credits	**58**

Student Learning Outcomes

Upon completion of the Graphic Art and Design program, students will be able to

1. Compose artworks in a range of visual art studio practices with technical proficiency.
2. Analyze formal elements of works of art, craft, and design or other items of material culture.

3. Interpret works of art in light of the social and historic context in which they were produced.
4. Develop a general art/design portfolio.

Art—B.F.A., Concentration in Ceramics*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The study of ceramics is the study of human history in all of its cultural diversity. From the most primitive pottery to highly sophisticated modern design and contemporary sculpture, the ceramics program offers a breadth of knowledge and expertise in one of the largest and best-equipped ceramics studios in the region. Ceramics offers a unique opportunity for students to engage and develop their skills in focus, discipline, and communication with visual language, through the challenges and expressive potential introduced by the material of clay. This concentration leads to the development of a cohesive body of work, a professional portfolio, and BFA exhibition.

REQUIREMENTS FOR PROGRESS AND DEGREE COMPLETION

- A minimum cumulative undergraduate grade point average (CGPA) in Art Courses of 3.0.
- BFA students are required to pass a Senior Review and Exhibition in order to complete the program.

TRANSFER STUDENTS

Transfer students may have up to 30 credits from an Associates in Fine Arts Degree applied to major course requirements in the BFA program if approved by a faculty advisor or the department chair.

Minimum GPA Requirement: 3.0

Total Credit Hours: 81

Code	Title	Credits
Required Foundation Courses:		**12**
ART 110	Two Dimensional Design	3
ART 111	Three Dimensional Design	3
ART 115	Drawing Studio I	3
ART 185	Computer Graphics	3
Required Art History Courses:		**6**
ART 106	Contemporary Art	3
ART 131	World Art II	3
Required Art History Electives (select 2 courses) :		**6**
ART 120	History of Photography	3
ART 170	Time Travel: Introduction to Time-Based Art	3
ART 200	Art Now	3
ART 232	History of Communication Design	3
ART 263	Acts of resistance: Activists, Interlopers and Pranksters	3
ART 266	Women Artists	3
ART 275	Japanese Popular Culture and Art	3
Studio Art Courses:		**30**
ART 104	Ceramics I	3
ART 214	Drawing & Composition II	3
or ART 219	Life Drawing I	
ART 219	Life Drawing I	3
ART 222	Ceramics II	3
ART 224	Digital Clay: Using CAD/CAM Technology to Create Ceramic Objects	3
or ART 228	Digital Sculpting	
ART 303	Ceramics III	3
ART 304	Ceramic Sculpture	3
ART 307	Relief Printing	3
ART 309	Silkscreen	3
ART 406	Advanced Ceramics	3
Studio Art Electives (select 7 courses):		**21**
ART 230	Photography I	3
ART 233	Preparation of Art For Printing	3
ART 235	Illustration I	3
ART 236	Advanced Illustration	3
ART 237	Typography	3
ART 238	Drawing for Designers & Illustrators	3
ART 243	Rendering Techniques	3
ART 245	Color Theory	3
ART 283	Introduction to Graphic Design	3
ART 300	Portrait Painting	3
ART 305	Life Drawing II	3
ART 310	Digital Illustration I	3
ART 315	Book & Magazine Design	3
ART 320	Classical Animation	3
ART 334	Packaging Design	3
ART 343	Branding Design	3
ART 344	Advanced Advertising Design	3
ART 350	Photography II	3
ART 352	Studio Lighting	3
ART 353	Documentary Photo	3
ART 358	Advanced Digital Imaging	3
ART 404	Figure Painting	3
ART 405	Experimental Painting	3
ART 412	Advanced Printmaking	3
ART 415	Studio Painting	3
ART 416	Advanced Printmaking II	3
ART 425	Digital Illustration II	3
ART 444	Photo as a Fine Art	3
ART 448	Information Design	3
ART 207	Painting Fundamentals	3
ART 357	Digital Imaging Photography	3
SPFD 421	Cooperative Education and Internship - College of Arts & Sciences (4 credits)	4
Required BFA Courses:		**6**
ART 450	Portfolio Preparation	1

ART 465	Bachelor Fine Arts Seminar	1
ART 398	Studio Research I	2
ART 399	Studio Research II	2
Total Credits		**81**

Minimum GPA Requirement: 3.0

Freshman		
Semester 1		**Credits**
ART 110	Two Dimensional Design	3
ART 115	Drawing Studio I	3
	Credits	**6**
Semester 2		
ART 111	Three Dimensional Design	3
ART 131	World Art II	3
ART 185	Computer Graphics	3
	Credits	**9**
Sophomore		
Semester 1		
ART 104	Ceramics I	3
ART 106	Contemporary Art	3
ART 219	Life Drawing I	3
Studio Art Elective		3
	Credits	**12**
Semester 2		
ART 214	Drawing & Composition II	3
ART 304	Ceramic Sculpture	3
Studio Art Elective		3
Art History Elective		3
	Credits	**12**
Junior		
Semester 1		
ART 222	Ceramics II	3
ART 309	Silkscreen	3
Studio Art Elective		3
Art History Elective		3
	Credits	**12**
Semester 2		
ART 303	Ceramics III	3
ART 307	Relief Printing	3
ART 398	Studio Research I	2
Studio Art Elective Course		3
	Credits	**11**
Senior		
Semester 1		
ART 224 or ART 228	Digital Clay: Using CAD/CAM Technology to Create Ceramic Objects or Digital Sculpting	3
ART 399	Studio Research II	2
Studio Art Elective		3
Studio Art Elective		3
	Credits	**11**
Semester 2		
ART 406	Advanced Ceramics	3
ART 450	Portfolio Preparation	1
ART 465	Bachelor Fine Arts Seminar	1
Studio Art Elective		3
	Credits	**8**
	Total Credits	**81**

Student Learning Outcomes

Upon completion of the B.F.A., with a concentration in Ceramics, students will be able to:

1. Compose artworks in a range of visual art studio practices with technical proficiency.
2. Analyze formal elements of works of art, craft, and design or other items of material culture.
3. Interpret works of art in light of the social and historic context in which they were produced.
4. Develop a professional art/design portfolio.
5. Produce an art/design exhibition thesis.

Art—B.F.A., Concentration in Drawing/Painting*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

At its most basic level, drawing and painting is making marks on a surface, though painting includes a wide variety of mediums and approaches. Students who choose this field appreciate the expression of ideas or feelings through purely visual means. In dedicated, well equipped studios, students learn to render realistically, but may choose to pursue abstraction, self-expression, or conceptual approaches. This concentration leads to the development of a cohesive body of work, a professional portfolio, and BFA exhibition.

REQUIREMENTS FOR PROGRESS AND DEGREE COMPLETION

- A minimum cumulative undergraduate grade point average (CGPA) in Art Courses of 3.0.
- BFA students are required to pass a Senior Review and Exhibition in order to complete the program.

TRANSFER STUDENTS

Transfer students may have up to 30 credits from an Associates in Fine Arts Degree applied to major course requirements in the BFA program if approved by a faculty advisor or the department chair.

Minimum GPA Requirement: 3.0
Total Credit Hours: 81

Code	Title	Credits
Required Foundation Courses:		**12**
ART 110	Two Dimensional Design	3
ART 111	Three Dimensional Design	3
ART 115	Drawing Studio I	3
ART 185	Computer Graphics	3
Required Art History Courses:		**6**
ART 106	Contemporary Art	3
ART 131	World Art II	3
Required Art History Elective (select 2 courses):		**6**
ART 120	History of Photography	3
ART 170	Time Travel: Introduction to Time-Based Art	3
ART 200	Art Now	3
ART 232	History of Communication Design	3
ART 263	Acts of resistance: Activists, Interlopers and Pranksters	3
ART 266	Women Artists	3
ART 275	Japanese Popular Culture and Art	3
Drawing/Painting Studio Art Courses:		**36**
ART 207	Painting Fundamentals	3
ART 214	Drawing & Composition II	3
ART 219	Life Drawing I	3
ART 243	Rendering Techniques	3
ART 245	Color Theory	3
ART 300	Portrait Painting	3
ART 305	Life Drawing II	3
ART 307	Relief Printing	3
ART 309	Silkscreen	3
ART 404	Figure Painting	3
ART 405	Experimental Painting	3
ART 415	Studio Painting	3
Studio Art Electives (select 5 courses):		**15**
ART 104	Ceramics I	3
ART 222	Ceramics II	3
ART 224	Digital Clay: Using CAD/CAM Technology to Create Ceramic Objects	3
ART 230	Photography I	3
ART 233	Preparation of Art For Printing	3
ART 235	Illustration I	3
ART 236	Advanced Illustration	3
ART 237	Typography	3
ART 238	Drawing for Designers & Illustrators	3
ART 283	Introduction to Graphic Design	3
ART 303	Ceramics III	3
ART 304	Ceramic Sculpture	3
ART 310	Digital Illustration I	3
ART 315	Book & Magazine Design	3
ART 334	Packaging Design	3
ART 343	Branding Design	3
ART 350	Photography II	3
ART 352	Studio Lighting	3
ART 353	Documentary Photo	3
ART 357	Digital Imaging Photography	3
ART 358	Advanced Digital Imaging	3
ART 406	Advanced Ceramics	3
ART 412	Advanced Printmaking	3
ART 416	Advanced Printmaking II	3
ART 444	Photo as a Fine Art	3
SPFD 421	Cooperative Education and Internship - College of Arts & Sciences (4 credits)	4
Required BFA Courses:		**6**
ART 450	Portfolio Preparation	1
ART 465	Bachelor Fine Arts Seminar	1
ART 398	Studio Research I	2
ART 399	Studio Research II	2
Total Art Credits:		**81**

Minimum GPA Requirement: 3.0
Total Credit Hours: 81

Freshman		
Semester 1		**Credits**
ART 110	Two Dimensional Design	3
ART 115	Drawing Studio I	3
	Credits	**6**
Semester 2		
ART 111	Three Dimensional Design	3
ART 131	World Art II	3
ART 185	Computer Graphics	3
	Credits	**9**
Sophomore		
Semester 1		
ART 106	Contemporary Art	3
ART 207	Painting Fundamentals	3
ART 219	Life Drawing I	3
Studio Art Elective		3
	Credits	**12**
Semester 2		
ART 214	Drawing & Composition II	3
ART 243	Rendering Techniques	3
Studio Art Elective		3
Art History Elective		3
	Credits	**12**
Junior		
Semester 1		
ART 245	Color Theory	3
ART 300	Portrait Painting	3
Studio Art Elective		3
Art History Elective		3
	Credits	**12**
Semester 2		
ART 305	Life Drawing II	3
ART 398	Studio Research I	2

ART 404	Figure Painting	3
Studio Art Elective		3
	Credits	**11**
Senior		
Semester 1		
ART 307	Relief Printing	3
ART 399	Studio Research II	2
ART 405	Experimental Painting	3
Studio Art Elective		3
	Credits	**11**
Semester 2		
ART 309	Silkscreen	3
ART 415	Studio Painting	3
ART 450	Portfolio Preparation	1
ART 465	Bachelor Fine Arts Seminar	1
	Credits	**8**
	Total Credits	**81**

Student Learning Outcomes

Upon completion of the B.F.A., concentration in Drawing/Painting, students will be able to:

1. Compose artworks in a range of visual art studio practices with technical proficiency.
2. Analyze formal elements of works of art, craft, and design or other items of material culture.
3. Interpret works of art in light of the social and historic context in which they were produced.
4. Develop a professional art/design portfolio.
5. Produce an art/design exhibition thesis.

Art—B.F.A., Concentration in Graphic Design

A graphic designer uses text, images and graphics to build on the basic elements of design: line, shape, color, and balance. Students of graphic design use their visual abilities to create functional designs for print, websites and apps. Our labs are equipped with the latest software and technology, and instructors with professional backgrounds, so students acquire both technical skills and skills of creative critical thinking, prepared to meet the demands of the professional world. This concentration leads to the development of a cohesive body of work, a professional portfolio, and BFA exhibition.

REQUIREMENTS FOR PROGRESS AND DEGREE COMPLETION

- A minimum cumulative undergraduate grade point average (CGPA) in Art Courses of 3.0.
- BFA students are required to pass a Senior Review and Exhibition in order to complete the program.

TRANSFER STUDENTS

Transfer students may have up to 30 credits from an Associates in Fine Arts Degree applied to major course requirements in the BFA program if approved by a faculty advisor or the department chair.

Minimum GPA Requirement: 3.0
Total Credit Hours: 81

Code	Title	Credits
Required Foundation Courses:		**12**
ART 110	Two Dimensional Design	3
ART 111	Three Dimensional Design	3
ART 115	Drawing Studio I	3
ART 185	Computer Graphics	3
Required Art History Courses:		**9**
ART 106	Contemporary Art	3
ART 131	World Art II	3
ART 232	History of Communication Design	3
Required Art History Elective (select 1 course):		**3**
ART 120	History of Photography	3
ART 170	Time Travel: Introduction to Time-Based Art	3
ART 200	Art Now	3
ART 263	Acts of resistance: Activists, Interlopers and Pranksters	3
ART 266	Women Artists	3
ART 275	Japanese Popular Culture and Art	3
Required Art Studio Courses:		**30**
ART 233	Preparation of Art For Printing	3
ART 237	Typography	3
ART 283	Introduction to Graphic Design	3
ART 315	Book & Magazine Design	3
ART 334	Packaging Design	3
ART 343	Branding Design	3
ART 426	Motion Graphics	3
ART 446	User Experience and User Interface Design	3
ART 448	Information Design	3
ART 430	Web Design	3
Required Studio Art Electives (select 7 courses):		**21**
ART 104	Ceramics I	3
ART 207	Painting Fundamentals	3
ART 214	Drawing & Composition II	3
ART 219	Life Drawing I	3
ART 222	Ceramics II	3
ART 224	Digital Clay: Using CAD/CAM Technology to Create Ceramic Objects	3
ART 227	Digital Fabrication	3
ART 230	Photography I	3
ART 235	Illustration I	3
ART 236	Advanced Illustration	3
ART 238	Drawing for Designers & Illustrators	3
ART 243	Rendering Techniques	3
ART 244	Large Format Phototography	3
ART 245	Color Theory	3
ART 280	Creative Cartoons & Comics	2
ART 300	Portrait Painting	3
ART 303	Ceramics III	3
ART 304	Ceramic Sculpture	3
ART 305	Life Drawing II	3

ART 307	Relief Printing	3
ART 309	Silkscreen	3
ART 310	Digital Illustration I	3
ART 350	Photography II	3
ART 352	Studio Lighting	3
ART 353	Documentary Photo	3
ART 354	Photographics	3
ART 357	Digital Imaging Photography	3
ART 358	Advanced Digital Imaging	3
ART 404	Figure Painting	3
ART 405	Experimental Painting	3
ART 406	Advanced Ceramics	3
ART 412	Advanced Printmaking	3
ART 425	Digital Illustration II	3
ART 444	Photo as a Fine Art	3
Required BFA Courses:		**6**
ART 450	Portfolio Preparation	1
ART 465	Bachelor Fine Arts Seminar	1
ART 398	Studio Research I	2
ART 399	Studio Research II	2
Total Credits:		**81**

Minimum GPA Requirement: 3.0

Freshman		
Semester 1		**Credits**
ART 110	Two Dimensional Design	3
ART 115	Drawing Studio I	3
	Credits	**6**
Semester 2		
ART 111	Three Dimensional Design	3
ART 131	World Art II	3
ART 185	Computer Graphics	3
	Credits	**9**
Sophomore		
Semester 1		
ART 106	Contemporary Art	3
ART 283	Introduction to Graphic Design	3
Studio Art Elective		3
Studio Art Elective		3
	Credits	**12**
Semester 2		
ART 232	History of Communication Design	3
ART 237	Typography	3
Studio Art Elective		3
Studio Art Elective		3
	Credits	**12**
Junior		
Semester 1		
ART 233	Preparation of Art For Printing	3
ART 343	Branding Design	3
Art History Elective (200-400 Level)		3
Studio Art Elective		3
	Credits	**12**
Semester 2		
ART 315	Book & Magazine Design	3
ART 334	Packaging Design	3
ART 398	Studio Research I	2
Studio Art Elective		3
	Credits	**11**
Senior		
Semester 1		
ART 399	Studio Research II	2
ART 426	Motion Graphics	3
ART 430	Web Design	3
Studio Art Elective		3
	Credits	**11**
Semester 2		
ART 446	User Experience and User Interface Design	3
ART 448	Information Design	3
ART 450	Portfolio Preparation	1
ART 465	Bachelor Fine Arts Seminar	1
	Credits	**8**
	Total Credits	**81**

Student Learning Outcomes

Upon completion of the B.F.A., with a concentration in Graphic Design, students will be able to:

1. Compose artworks in a range of visual art studio practices with technical proficiency.
2. Analyze formal elements of works of art, craft, and design or other items of material culture.
3. Interpret works of art in light of the social and historic context in which they were produced.
4. Develop a professional art/design portfolio.
5. Produce an art/design exhibition thesis.

Art—B.F.A., Concentration in Illustration

Illustration is art with a target. It is an image or series of images created for reproduction and distribution to a broad audience, such as a picture book or magazine cover. However illustration might also be a production component of a larger work, such as a film or video game. Illustration attracts creative people who like to draw and want to make images that communicate. This concentration leads to the development of a cohesive body of work, a professional portfolio, and BFA exhibition.

REQUIREMENTS FOR PROGRESS AND DEGREE COMPLETION

- A minimum cumulative undergraduate grade point average (CGPA) in Art Courses of 3.0.
- BFA students are required to pass a Senior Review and Exhibition in order to complete the program.

TRANSFER STUDENTS

Transfer students may have up to 30 credits from an Associates in Fine Arts Degree applied to major course requirements in the BFA program if approved by a faculty advisor or the department chair.

Minimum GPA Requirement: 3.0
Total Credit Hours: 81

Code	Title	Credits
Required Foundation Courses:		**12**
ART 110	Two Dimensional Design	3
ART 111	Three Dimensional Design	3
ART 115	Drawing Studio I	3
ART 185	Computer Graphics	3
Required Art History Courses:		**6**
ART 131	World Art II	3
ART 106	Contemporary Art	3
Required Art History Elective (select 2 courses):		**6**
ART 120	History of Photography	3
ART 170	Time Travel: Introduction to Time-Based Art	3
ART 200	Art Now	3
ART 232	History of Communication Design	3
ART 263	Acts of resistance: Activists, Interlopers and Pranksters	3
ART 266	Women Artists	3
ART 275	Japanese Popular Culture and Art	3
Required Studio Courses:		**36**
ART 219	Life Drawing I	3
ART 235	Illustration I	3
ART 236	Advanced Illustration	3
ART 238	Drawing for Designers & Illustrators	3
ART 243	Rendering Techniques	3
ART 245	Color Theory	3
ART 283	Introduction to Graphic Design	3
ART 305	Life Drawing II	3
ART 307	Relief Printing	3
or ART 309	Silkscreen	
ART 310	Digital Illustration I	3
ART 320	Classical Animation	3
or ART 280	Creative Cartoons & Comics	
ART 425	Digital Illustration II	3
Studio Art Electives (select 5 courses):		**15**
ART 104	Ceramics I	3
ART 207	Painting Fundamentals	3
ART 214	Drawing & Composition II	3
ART 222	Ceramics II	3
ART 224	Digital Clay: Using CAD/CAM Technology to Create Ceramic Objects	3
ART 227	Digital Fabrication	3
ART 230	Photography I	3
ART 233	Preparation of Art For Printing	3
ART 237	Typography	3
ART 244	Large Format Phototography	3
ART 280	Creative Cartoons & Comics	2
ART 300	Portrait Painting	3
ART 303	Ceramics III	3
ART 304	Ceramic Sculpture	3
ART 309	Silkscreen	3
ART 315	Book & Magazine Design	3
ART 320	Classical Animation	3
ART 334	Packaging Design	3
ART 343	Branding Design	3
ART 350	Photography II	3
ART 352	Studio Lighting	3
ART 353	Documentary Photo	3
ART 354	Photographics	3
ART 357	Digital Imaging Photography	3
ART 358	Advanced Digital Imaging	3
ART 404	Figure Painting	3
ART 405	Experimental Painting	3
ART 406	Advanced Ceramics	3
ART 412	Advanced Printmaking	3
ART 416	Advanced Printmaking II	3
ART 426	Motion Graphics	3
ART 430	Web Design	3
ART 446	User Experience and User Interface Design	3
ART 448	Information Design	3
Required BFA Courses:		**6**
ART 450	Portfolio Preparation	1
ART 465	Bachelor Fine Arts Seminar	1
ART 398	Studio Research I	2
ART 399	Studio Research II	2
Total Credits		**81**

Minimum GPA Requirement: 3.0

Freshman		
Semester 1		**Credits**
ART 115	Drawing Studio I	3
ART 110	Two Dimensional Design	3
	Credits	**6**
Semester 2		
ART 111	Three Dimensional Design	3
ART 131	World Art II	3
ART 185	Computer Graphics	3
	Credits	**9**
Sophomore		
Semester 1		
ART 106	Contemporary Art	3
ART 219	Life Drawing I	3
ART 238	Drawing for Designers & Illustrators	3
Studio Art Elective		3
	Credits	**12**
Semester 2		
ART 243	Rendering Techniques	3
ART 283	Introduction to Graphic Design	3
Studio Art Elective		3

Art History Elective (200-400 Level)		3
	Credits	**12**
Junior		
Semester 1		
ART 245	Color Theory	3
ART 305	Life Drawing II	3
Studio Art Elective		3
Art History Elective Course		3
	Credits	**12**
Semester 2		
ART 235	Illustration I	3
ART 310	Digital Illustration I	3
ART 398	Studio Research I	2
Studio Art Elective		3
	Credits	**11**
Senior		
Semester 1		
ART 309 or ART 307	Silkscreen or Relief Printing	3
ART 399	Studio Research II	2
ART 425	Digital Illustration II	3
Studio Art Elective		3
	Credits	**11**
Semester 2		
ART 236	Advanced Illustration	3
ART 320	Classical Animation	3
ART 450	Portfolio Preparation	1
ART 465	Bachelor Fine Arts Seminar	1
	Credits	**8**
	Total Credits	**81**

STUDENT LEARNING OUTCOMES

Upon completion of the B.F.A., with a concentration in Illustration, students will be able to:

1. Compose artworks in a range of visual art studio practices with technical proficiency.
2. Analyze formal elements of works of art, craft, and design or other items of material culture.
3. Interpret works of art in light of the social and historic context in which they were produced.
4. Develop a professional art/design portfolio.
5. Produce an art/design exhibition thesis.

Art—B.F.A., Concentration in Photography

Photography is the practice of creating durable images by capturing light. Photography has applications in the fine arts and in published media, such as photojournalism, advertising, or forensic imaging. Over the last few decades, artwork based on photography has come to occupy a position of great importance in contemporary art. This concentration leads to the development of a cohesive body of work, a professional portfolio, and BFA exhibition.

REQUIREMENTS FOR PROGRESS AND DEGREE COMPLETION

- A minimum cumulative undergraduate grade point average (CGPA) in Art Courses of 3.0.
- BFA students are required to pass a Senior Review and Exhibition in order to complete the program.

TRANSFER STUDENTS

Transfer students may have up to 30 credits from an Associates in Fine Arts Degree applied to major course requirements in the BFA program if approved by a faculty advisor or the department chair.

Minimum GPA Requirement: 3.0
Total Credit Hours: 81

Code	Title	Credits
Required Foundation Courses:		**12**
ART 110	Two Dimensional Design	3
ART 111	Three Dimensional Design	3
ART 115	Drawing Studio I	3
ART 185	Computer Graphics	3
Required Art History Courses:		**6**
ART 106	Contemporary Art	3
ART 131	World Art II	3
Require Art History Electives (select 2 courses):		**6**
ART 120	History of Photography	3
ART 170	Time Travel: Introduction to Time-Based Art	3
ART 263	Acts of resistance: Activists, Interlopers and Pranksters	3
ART 266	Women Artists	3
ART 275	Japanese Popular Culture and Art	3
Studio Art Courses:		**30**
ART 230	Photography I	3
ART 244	Large Format Phototography	3
ART 309	Silkscreen	3
ART 350	Photography II	3
ART 352	Studio Lighting	3
ART 353	Documentary Photo	3
ART 357	Digital Imaging Photography	3
ART 358	Advanced Digital Imaging	3
ART 444	Photo as a Fine Art	3
ART 445	Professional Application of Photography (or Co-op Course)	3
Studio Art Electives (select 7 courses):		**21**
ART 104	Ceramics I	3
ART 207	Painting Fundamentals	3
ART 214	Drawing & Composition II	3
ART 219	Life Drawing I	3
ART 222	Ceramics II	3
ART 233	Preparation of Art For Printing	3
ART 235	Illustration I	3
ART 236	Advanced Illustration	3
ART 237	Typography	3
ART 238	Drawing for Designers & Illustrators	3
ART 243	Rendering Techniques	3

ART 245	Color Theory	3
ART 283	Introduction to Graphic Design	3
ART 300	Portrait Painting	3
ART 303	Ceramics III	3
ART 304	Ceramic Sculpture	3
ART 305	Life Drawing II	3
ART 307	Relief Printing	3
ART 310	Digital Illustration I	3
ART 343	Branding Design	3
ART 354	Photographics	3
ART 406	Advanced Ceramics	3
ART 412	Advanced Printmaking	3
ART 416	Advanced Printmaking II	3
ART 430	Web Design	3
Required BFA Courses:		**6**
ART 450	Portfolio Preparation	1
ART 465	Bachelor Fine Arts Seminar	1
ART 398	Studio Research I	2
ART 399	Studio Research II	2
Total Art Credits:		**81**

Minimum GPA Requirement: 3.0

Freshman		
Semester 1		**Credits**
ART 110	Two Dimensional Design	3
ART 115	Drawing Studio I	3
	Credits	**6**
Semester 2		
ART 111	Three Dimensional Design	3
ART 131	World Art II	3
ART 185	Computer Graphics	3
	Credits	**9**
Sophomore		
Semester 1		
ART 106	Contemporary Art	3
ART 230	Photography I	3
ART 309	Silkscreen	3
Studio Art Elective		3
	Credits	**12**
Semester 2		
ART 244	Large Format Phototography	3
ART 350	Photography II	3
Studio Art Elective		3
Art History Elective		3
	Credits	**12**
Junior		
Semester 1		
ART 120	History of Photography	3
ART 352	Studio Lighting	3
Studio Art Elective		3
Studio Art Elective		3
	Credits	**12**
Semester 2		
ART 353	Documentary Photo	3
ART 357	Digital Imaging Photography	3
ART 398	Studio Research I	2
Studio Art Elective Course		3
	Credits	**11**
Senior		
Semester 1		
ART 358	Advanced Digital Imaging	3
ART 399	Studio Research II	2
ART 444	Photo as a Fine Art	3
Studio Art Elective		3
	Credits	**11**
Semester 2		
ART 445	Professional Application of Photography	3
ART 450	Portfolio Preparation	1
ART 465	Bachelor Fine Arts Seminar	1
Studio Art Elective		3
	Credits	**8**
	Total Credits	**81**

Student Learning Outcomes

Upon completion of the B.F.A., concentration in Photography, students will be able to:

1. Compose artworks in a range of visual art studio practices with technical proficiency.
2. Analyze formal elements of works of art, craft, and design or other items of material culture.
3. Interpret works of art in light of the social and historic context in which they were produced.
4. Develop a professional art/design portfolio.
5. Produce an art/design exhibition thesis.

Art—B.F.A., Concentration in Printmaking*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

In Printmaking, students create multiples using a variety of methods and technologies. This course of study allows them to combine traditional and digital graphic art and design technology in order to expand both their personal vision and professional skills. They prepare for careers in the creative arts and the professional production of graphics. This concentration leads to the development of a cohesive body of work, a professional portfolio, and BFA exhibition.

REQUIREMENTS FOR PROGRESS AND DEGREE COMPLETION

- A minimum cumulative undergraduate grade point average (CGPA) in Art Courses of 3.0.
- BFA students are required to pass a Senior Review and Exhibition in order to complete the program.

TRANSFER STUDENTS

Transfer students may have up to 30 credits from an Associates in Fine Arts Degree applied to major course requirements in the BFA program if approved by a faculty advisor or the department chair.

Minimum GPA Requirement: 3.0
Total Credit Hours: 81

Code	Title	Credits
Required Foundation Courses:		**12**
ART 110	Two Dimensional Design	3
ART 111	Three Dimensional Design	3
ART 115	Drawing Studio I	3
ART 185	Computer Graphics	3
Required Art History Courses:		**6**
ART 106	Contemporary Art	3
ART 131	World Art II	3
Required Art History Electives (select 2 courses):		**6**
ART 170	Time Travel: Introduction to Time-Based Art	3
ART 200	Art Now	3
ART 232	History of Communication Design	3
ART 263	Acts of resistance: Activists, Interlopers and Pranksters	3
ART 266	Women Artists	3
ART 275	Japanese Popular Culture and Art	3
Studio Art Courses:		**30**
ART 214	Drawing & Composition II	3
ART 230	Photography I	3
ART 233	Preparation of Art For Printing	3
ART 243	Rendering Techniques	3
ART 283	Introduction to Graphic Design	3
ART 307	Relief Printing	3
ART 309	Silkscreen	3
ART 357	Digital Imaging Photography	3
ART 412	Advanced Printmaking	3
ART 416	Advanced Printmaking II	3
Studio Art Electives (select 7 courses):		**21**
ART 104	Ceramics I	3
ART 207	Painting Fundamentals	3
ART 219	Life Drawing I	3
ART 222	Ceramics II	3
ART 238	Drawing for Designers & Illustrators	3
ART 245	Color Theory	3
ART 300	Portrait Painting	3
ART 303	Ceramics III	3
ART 304	Ceramic Sculpture	3
ART 305	Life Drawing II	3
ART 310	Digital Illustration I	3
ART 315	Book & Magazine Design	3
ART 334	Packaging Design	3
ART 343	Branding Design	3
ART 344	Advanced Advertising Design	3
ART 350	Photography II	3
ART 352	Studio Lighting	3
ART 353	Documentary Photo	3
ART 354	Photographics	3
ART 358	Advanced Digital Imaging	3
ART 404	Figure Painting	3
ART 405	Experimental Painting	3
ART 406	Advanced Ceramics	3
ART 415	Studio Painting	3
ART 425	Digital Illustration II	3
ART 444	Photo as a Fine Art	3
ART 448	Information Design	3
SPFD 421	Cooperative Education and Internship - College of Arts & Sciences (4 credits)	4
Required BFA Courses:		**6**
ART 450	Portfolio Preparation	1
ART 465	Bachelor Fine Arts Seminar	1
ART 398	Studio Research I	2
ART 399	Studio Research II	2
Total Art Credits:		**81**

Minimum GPA Requirement: 3.0

Freshman		
Semester 1		**Credits**
ART 110	Two Dimensional Design	3
ART 115	Drawing Studio I	3
	Credits	**6**
Semester 2		
ART 111	Three Dimensional Design	3
ART 131	World Art II	3
ART 185	Computer Graphics	3
	Credits	**9**
Sophomore		
Semester 1		
ART 106	Contemporary Art	3
ART 243	Rendering Techniques	3
ART 230	Photography I	3
Studio Art Elective		3
	Credits	**12**
Semester 2		
ART 233	Preparation of Art For Printing	3
ART 243	Rendering Techniques	3
Studio Art Elective		3
Art History Elective		3
	Credits	**12**
Junior		
Semester 1		
ART 214	Drawing & Composition II	3
ART 307	Relief Printing	3

Studio Art Elective		3
Art History Elective		3
	Credits	**12**
Semester 2		
ART 308 or ART 412	Intaglio Printing or Advanced Printmaking	3
ART 309	Silkscreen	3
ART 398	Studio Research I	2
Studio Art Elective Course		3
	Credits	**11**
Senior		
Semester 1		
ART 311 or ART 416	Lithography or Advanced Printmaking II	3
ART 399	Studio Research II	2
ART 412 or ART 490	Advanced Printmaking or Honors in Art I	3
Studio Art Elective or Co-op		3
	Credits	**11**
Semester 2		
ART 357	Digital Imaging Photography	3
ART 416 or ART 491	Advanced Printmaking II or Honors in Art II	3
ART 450	Portfolio Preparation	1
ART 465	Bachelor Fine Arts Seminar	1
	Credits	**8**
	Total Credits	**81**

Student Learning Outcomes

Upon completion of the B.F.A., concentration in Printmaking, students will be able to:

1. Compose artworks in a range of visual art studio practices with technical proficiency.
2. Analyze formal elements of works of art, craft, and design or other items of material culture.
3. Interpret works of art in light of the social and historic context in which they were produced.
4. Develop a professional art/design portfolio.
5. Produce an art/design exhibition thesis.

Art—New Jersey Art Teacher Certification Program (P–12)

The New Jersey City University *Art Teacher Certification Program* (ATCP) prepares the Art student to become a certified Art Teacher for grades Preschool through 12 in the State of New Jersey. NJCU is a *Council for the Accreditation of Educator Preparation* (CAEP) and *National Association of Art and Design* (NASAD) accredited institution.

There are two paths to achieve Art Teacher Certification at New Jersey City University:

BA or BFA in ART with the ART TEACHER CERTIFICATION PROGRAM

- Degree seeking Freshman or Transfer Students can combine the BA or BFA in Art with the ART TEACHER CERTIFICATION PROGRAM

The CERTIFICATION ONLY Program

- Students who have already received a BA or BFA in Art degree at an accredited university or college can enter the Art Teacher Certification Only program.

PROGRAM REQUIREMENTS:

Please consult the ATCP Degree Map for the program requirements and course sequencing. There are no exceptions to the required sequence of classes as noted on the Degree Map.

The requirements for enrollment in the fall capstone class Clinical Practice I are:

- A minimum cumulative undergraduate grade point average (CGPA) of 3.0.
- A minimum of B- or better on all education courses

The requirements for enrollment in the spring capstone class Clinical Practice II are:

- A passing score on the Art Content Knowledge Praxis exam. This must be submitted to the Center for Teacher Preparation and Partnerships by February 15th of the preceding semester
- A minimum cumulative GPA of 3.0
- Successful completion of ART 393 Clinical Practice I

Completion of the Art Teacher Certification Program:

- Completion of NJCU General Education requirements or equivalent (for BA and BFA with ATCP candidates)
- Successful completion of major in intended content area (for BA and BFA with ATCP candidates)
- Successful completion of all ATCP requirements as listed on the ATCP Degree Map and as required by the State of New Jersey.
- A minimum cumulative GPA of 3.0

Note: For the most updated information on this teaching certification program, students are directed to contact the Art Department and the College of Education as changes may have occurred since publication.

Minimum GPA Requirement: 3.00
Total Credit Hours: 96

Students must combine the Art Teacher Certification Program with either the BA or BFA in Art degree programs. For students who are completing either the BA in Fine Arts and Crafts (FA&C) or the BA in Graphic Art and Design (GA&D), the courses for each track are indicated below.

Students who have already earned a BA or BFA degree in Art (minimum of 30 credits in Art from any school) may be admitted as a "Certification-Only" student. These students only need to complete the courses in the General Education, Pedagogical Study, and Clinical Component sections listed below.

Code	Title	Credits
Required General Education for Certification: [1]		**9**
PSYC 150	Developmental: Birth Through Adolescence	3
BIOL 224	The Human Body	3
or BIOL 225	Human Sexual Biology	
WGST 110	Diversity and Difference: Identities, Communities, and Cultures	3
Required Art Foundations Courses:		**12**
ART 110	Two Dimensional Design	3
ART 111	Three Dimensional Design	3
ART 115	Drawing Studio I	3
ART 185	Computer Graphics	3
Required Art History Courses:		**9**
ART 106	Contemporary Art	3
ART 131	World Art II	3
Required Art History 200 or 300 level elective		3
Required Studio Courses for the FA&C Track [3]		**15**
ART 104	Ceramics I	3
ART 207	Painting Fundamentals	3
ART 214	Drawing & Composition II	3
ART 219	Life Drawing I	3
ART 304	Ceramic Sculpture	3
or ART 216	Sculpture I	
Recommended Electives for the FA&C Track (Students choose 5 FA&C and 2 GA&D courses) [3]		**21**
ART 222	Ceramics II	3
ART 300	Portrait Painting	3
ART 303	Ceramics III	3
ART 305	Life Drawing II	3
ART 404	Figure Painting	3
ART 307	Relief Printing	3
ART 309	Silkscreen	3
Required Studio Courses for the GA&D Track [3]		**15**
ART 230	Photography I	3
ART 233	Preparation of Art For Printing	3
ART 243	Rendering Techniques	3
ART 283	Introduction to Graphic Design	3
ART 309	Silkscreen	3
Recommended Electives for the GA&D Track (Students choose 5 GA&D and 2 FA&C courses) [3]		**21**
ART 238	Drawing for Designers & Illustrators	3
ART 307	Relief Printing	3
ART 350	Photography II	3
ART 357	Digital Imaging Photography	3
ART 425	Digital Illustration II	3
ART 104	Ceramics I	3
ART 207	Painting Fundamentals	3
Required Senior Capstone		**1**
ART 450	Portfolio Preparation	1
Pedagogical Study in Art Education: [1]		**19**
EDU 280	Challenges in Urban Education	3
LTED 230	Focus: Reading Language & Literacy	3
SPEC 250	Psychological & Educational Needs of the Exceptional Child	3
EDU 315	Differentiating Instruction:Mtng Needs of Urban Stdnts from Cultrly,Ling.,&Academic Diverse Bckgrnds	3
ART 520	Foundations & Goals in Art Education	3
ART 530	Pedagogy in Art Education	3
ART 501	Art Classroom Management	1
Clinical Component: [1, 2]		**10**
ART 393	Clinical Practice I	2
ART 469	Clinical Practice II	8
Total Certification Program Credits:		**96**

1 Certification-only students must complete all the courses in this section.

2 For students who have already earned a degree, the Clinical Component may be completed through the Alternate Route/New Pathways program.

3 Students completing the Fine Arts and Crafts program should select the courses in the FA&C track. Students completing the Graphic Arts and Design program should select the courses in the GA&D track.

Minimum GPA Requirement: 2.75

Freshman

Semester 1		**Credits**
ART 110	Two Dimensional Design	3
ART 115	Drawing Studio I	3
	Credits	**6**
Semester 2		
ART 111	Three Dimensional Design	3
ART 131	World Art II	3
ART 185	Computer Graphics	3
WGST 110	Diversity and Difference: Identities, Communities, and Cultures	3
	Credits	**12**

Sophomore

Semester 1		
ART 106	Contemporary Art	3
LTED 230	Focus: Reading Language & Literacy	3
PSYC 150	Developmental: Birth Through Adolescence	3
Required Studio Course		3
Required Studio Course		3
	Credits	**15**
Semester 2		
Required Studio Course		3
Required Studio Course		3
Required Studio Course		3
EDU 280	Challenges in Urban Education	3
BIOL 224 or BIOL 225	The Human Body or Human Sexual Biology	3
	Credits	**15**

Junior

Semester 1		
Required Art Elective		3

Required Art Elective		3
Required Art Elective		3
ART 520	Foundations & Goals in Art Education	3
	Credits	**12**
Semester 2		
ART 530	Pedagogy in Art Education	3
SPEC 250	Psychological & Educational Needs of the Exceptional Child	3
Required Art History Elective		3
Required Art Elective		3
Required Art Elective		3
	Credits	**15**
Senior		
Semester 1		
EDU 315	Differentiating Instruction:Mtng Needs of Urban Stdnts from Cultrly,Ling.,&Academic Diverse Bckgrnds	3
ART 393	Clinical Practice I	2
ART 501	Art Classroom Management	1
Required Art Elective		3
	Credits	**9**
Semester 2		
ART 450	Portfolio Preparation	1
ART 469	Clinical Practice II	8
Required Art Elective		3
	Credits	**12**
	Total Credits	**96**

Upon completion of the Elementary and Secondary Education program, students will be able to:

1. Our candidates demonstrate mastery of the subject matter they plan to teach.
2. Our candidates demonstrate their pedagogical knowledge, integrating their understanding of their pupils' developmental levels, individual differences, learning exceptionalities, and sociocultural backgrounds.
3. Our candidates demonstrate effective instruction, caring behavior, and reflection to improve practice.
4. Our candidates know and value how individuals are shaped by their life experiences as mediated by factors such as social class, gender, race, ethnicity, language, sexual orientation, age, and social needs. Our candidates know, value, and engage in culturally responsive teaching to promote social justice, particularly in our urban areas.
5. Our candidates are able to use appropriate technology in carrying out their professional responsibilities.

Biology

Ethan Prosen, Chair (eprosen@njcu.edu)
Science Building, Room 350
201-200-3054

The Biology Department (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/biology) provides numerous academic options to students desiring either Bachelor of Science (BS) or Bachelor of Arts (BA) degrees in Biology and related fields:

1. Broad-based, BS and BA programs in general biology that provide sound preparation for successful entry to employment, graduate school, and/or professional school;
2. Teacher certification programs for students pursuing careers as K–12 teachers with academic interests in biology;
3. Joint and collaborative programs with the University of Medicine and Dentistry of New Jersey and Jersey Shore Medical Center leading to BA or BS degrees and certifications in Clinical Laboratory Sciences and Allied Health Technology; and
4. Graduate and professional affiliated programs designed to prepare high-performing students for careers in research or professional careers in medicine, dentistry, podiatry or osteopathic medicine.

Faculty advisors assist students in selecting appropriate courses for careers in research, education, government, industry, the medical professions, and other related fields. The Biology Department sponsors the Biology Club, the Nu Pi chapter of Beta Beta Beta Biology Honor Society, and a tutoring service for its majors.

Ethan Prosen, Chairperson
Associate Professor of Biology
College of Saint Scholastica, B.A., Southwest Missouri State University, M.A., University of Louisiana, Ph.D.

Cindy Jo Arrigo
Associate Professor of Biology
New Jersey City University, B.S.; University of Medicine and Dentistry of New Jersey, Ph.D.

Shirley Bartido
Adjunct Faculty

Meriem Bendaoud
Assistant Professor of Biology
Dental Surgeon Diploma; New Jersey City University, B.S.; Rutgers, The State University of New Jersey, Ph.D.

Reed Carroll
Professor of Biology
Cornell University, B.A.; Harvard University, Ph.D.

Natalia Coleman
Associate Professor of Biology
St. Petersburg State Agricultural University, B.S., M.S., Ph.D.

Anthony Esposito (aesposito@njcu.edu)

Associate Professor of Biology
City University of New York - College of Staten Island, B.S.; Rutgers University, Ph.D.

Allison Fitzgerald
Assistant Professor of Biology
University of Maryland, B.S.; Stony Brook University, M.S.; CUNY Graduate Center, NYC, and College of Staten Island, Ph.D.

Laine Giovanetto
Associate Professor of Biology

College of Lake County, A.S., Southern Illinois University, A.S., B.S., Florida Institute of Technology, M.S., Ph.D.

John Grew
Professor of Biology
University of Massachusetts-Lowell, B.S., M.S.; New York University, Ph.D.

Kristina Harb
Adjunct Faculty

Carlos Morales
Adjunct Faculty

Laura Pannaman
Professor of Biology
Brooklyn College, B.A., M.A.; The Graduate Center, City University of New York, Ph.D.

Programs

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Biology, B.A. (p. 71)
- Biology, B.S. (p. 72)
- Biology, B.S./ Doctor of Podiatric Medicine Dual Degree with New York College of Podiatric Medicine (NYCPM) (p. 77)
- Biology - Medical Imaging Science—Cardiovascular Sonography and Diagnostic Medical Sonography Specialization, Joint-Degree Program, B.S. (p. 78)
- Biology - Medical Laboratory Science, Joint-Degree Programs, B.S. (p. 80)
- Biology, Minor (p. 81)

Biology (BIOL)

BIOL 1XX Biology Transfer Credit (0 Credits)

BIOL 2XX Biology Transfer Credit (0 Credits)

BIOL 100 General Biology (3 Credits)
This is an introductory lecture course in contemporary biology designed for the non-scientist.

BIOL 106 Practical Nutrition (3 Credits)
This course explores the application of nutritional principles to daily health maintenance by developing awareness of personal consumption and governmental recommendations of nutrients, eating behaviors, values, attitudes and beliefs. Topics incude different classes of nutrients, eating disorders, and global nutrition.

BIOL 107 Urban Environment (3 Credits)

BIOL 110 Biodiversity And Extinction (3 Credits)
This course integrates concepts of Ecology with patterns of species distribution and reasons for extinction.

BIOL 130 Principles Biology I (4 Credits)
This lecture/lab course introduces the basic building blocks of life through the scientific investigation. Topics include the scientific method, basic chemistry, the cell and its structure, function, metabolism and reproduction, and nucleic acid structure and function.
Co-Requisite(s): ENGL 100 and MATH 106 or MATH 112

BIOL 131 Principles Biology II (4 Credits)
This lecture/lab course is a continuation of the basic concepts of life. Topics include Mendelian genetics, evolution and an overview of microorganisms, fungi, animals and plants, with selected topics for concentrated study.
Pre-Requisite: BIOL 130 Principles of Biology I

BIOL 140 Scientific Inquiry (3 Credits)
This course will enable students to gain insight into how scientific understanding of the 'natural world' emerges. Students will develop scientific inquiry, communication and information literacy skills.

BIOL 203 Biology of the Environment (3 Credits)
Course offers a study of the relationship between humans and their environment. Basic ecological concepts are develop in lectures and applied in field work.
Pre-Requisite(s): BIOL 130 and BIOL 131

BIOL 217 Life In The Sea (3 Credits)
This course will give a broad overview of marine biology and ecology, including flora and fauna found in the seas, and ecological processes of the seashore and open ocean.
Pre-Requisite(s): BIOL 130 and BIOL 131

BIOL 220 Professorial Assistant (1 Credit)

BIOL 224 The Human Body (3 Credits)
A study of the human body as a unit; its tissues, organs, and organ systems. Correlation of function and structure is emphasize. Interrelationship of organs and systems are explored in the context of homeostasis.
Pre-Requisite(s): ENGL 100

BIOL 225 Human Sexual Biology (3 Credits)
This course provides students an opportunity to demonstrate basic knowledge of human reproductive anatomy and physiology, pregnancy and in utero development, contraception and reproductive disorders, and to explore the evolution of research into human sexual expression.
Prerequisite: ENGL 100

BIOL 230 Cell Biology (4 Credits)
Cell biology studies the structure and function of the cell. Topics covered include cell division and specialization, cell communication, membrane composition and function, protein trafficking, and cellular energy transformation. Case studies and laboratory exploration allow students to critically and analytically investigate core concepts.
Pre-Requisite(s): BIOL 130 and BIOL 131

BIOL 231 Comparative Anatomy (4 Credits)
This course studies the major steps in chordate evolution through a comparison of structure, function, and adaptation in selected chordates. Emphasis is placed on vertebrates. Lecture/Recitation/Laboratory.
Pre-Requisite(s): BIOL 130 and BIOL 131

BIOL 232 Invertebrate Zoology (4 Credits)
This course examines the anatomy and physiology of invertebrates. Lecture/Laboratory/ Field Trips.
Pre-Requisite(s): BIOL 130 and BIOL 131

BIOL 233 Principles of Botany (4 Credits)
This course studies the structure, development and life cycles of algae and plants, with emphasis on adaptations to the environment and evolutionary trends and relationships.
Pre-Requisite(s): BIOL 130 and BIOL 131

BIOL 236 Anatomy & Physiology I (4 Credits)
This is a comprehensive study of the structure and function of the human body including the skeletal, muscular, endocrine and nervous systems. This is a required course for medical technology students and is recommended for nursing and paramedical students.
Pre-Requisite(s): BIOL 130 and BIOL 131

BIOL 237 Anatomy & Physiology II (4 Credits)
This course is a continuation of the study of the structure and function of the human body including the nervous, endocrine, cardiovascular, respiratory, digestive, urinary and reproductive systems.
Pre-Requisite(s): BIOL 236

BIOL 240 Scientific Reasoning (3 Credits)
In this class we will learn how scientists investigate the world, asking certain types of questions, generating empirical evidence, applying logical rigor in answering those questions and subsequently communicating the results of those investigations to different audiences.
Pre-Requisite(s): ENGL 101 and ENGL 102

BIOL 250 Biology Research (1 Credit)
This is a course individually designed to provide the undergraduate training in biological research. Students work on projects under the guidance and supervision of a faculty member. Written reports and a final paper are required.
Pre-Requisite(s): Permission of instructor, permission of chairperson, and junior or senior status

BIOL 252 Evolution: A Biological and Geological Approach (3 Credits)
This course explores the major concepts of evolution, and the experimental and analytical methods used to study evolutionary change.
Pre-Requisite(s): BIOL 131 or GEOS 241

BIOL 301 General Physiology (4 Credits)
General Physiology examines human body function from the level of molecules to the whole organism. It is an integrated lecture/laboratory course in which students study of the biological control and coordination of body function, and how disruption of normal body processes lead to illness and disease.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106.

BIOL 302 Plant Physiology (4 Credits)
This course studies the maintenance, growth, and reproduction of plants. Laboratories include techniques used to study matter and energy relationships in plants.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106

BIOL 303 Microbiology (4 Credits)
Microbiology is the study of microorganisms, including microbial metabolism, structure, and function. The course emphasizes core concepts in microbial physiology, genetics, and pathogenesis. The lab exercises familiarize students with aseptic techniques, bacterial staining, microscopy, and antimicrobial susceptibility testing through inquiry-based lab investigations.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106

BIOL 304 Genetics (4 Credits)
Genetics is the study of inherited variation. This course reinforces and extends genetics and molecular concepts taught in Principles of Biology I and II and General Chemistry. Students apply laboratory methods and theory to individual research questions.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106

BIOL 305 Histology (4 Credits)
Histology is the science of microscopic anatomy. It employs light microscopy, transmission- & scanning-electron microscopy, histochemistry, immunohistochemistry and cytochemistry. Students correlate histology with gross anatomy, physiology and pathology.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106

BIOL 308 Plant Taxonomy (4 Credits)
This course studies the diversity of plants and their identification, naming, classification, and evolution. Activities include field trips, field collection, and preparation of an herbarium.
Pre-Requisite(s): BIOL 233 and CHEM 106 and CHEM 1106

BIOL 311 Pathophysiology (3 Credits)
This course is designed to introduce the student to pathophysiologic concepts related to altered biological processes affecting individuals across the lifespan and is built on the general principles of health maintenance. A global approach to disease will be emphasized. The course builds on principles from anatomy, physiology, and chemistry.
Co-Requisites: NURS 300 and NURS 303 and NURS 304 and NURS 305 and NURS 466

BIOL 312 Endocrinology (3 Credits)
Pre-requisite: BIOL 230 and CHEM 106 and CHEM 1106

BIOL 332 Field Ecology (4 Credits)
This course is a comparative community ecology course which includes a one week field trip. Students will learn about the ecological factors responsible for the control and dynamics of the plant and animal communities in the Appalachian Mountains. Emphasis is on field study of the biotic communities in the Appalachian Mountains. A field fee is required for this course. Lecture/Recitation/Laboratory/Field Trip.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106

BIOL 335 Essential Concepts in Neuroscience (3 Credits)
This course introduces essential concepts in neuroscience, ranging from cellular and molecular processes of neural function and communication, to neural systems, and the higher level processing underlying cognition and learning. The course will explore both anatomical and physiological processes through discussion, hands on laboratory demonstrations and analysis of foundational research literature.
Prerequisites: BIOL 230 and CHEM 106 and CHEM 1106

BIOL 350 Biology Research (2 Credits)
Supervised by a faculty mentor, each student is introduced to essential elements of scientific research. Students will develop skills in areas which may include literature analysis, research techniques, data analysis and scientific communication.
Pre-Requisite(s): Permission of instructor, permission of chairperson, and junior or senior status

BIOL 354 Professional Assistant (2 Credits)
Supervised by a faculty mentor, each student will contribute to the design, preparation, execution and instruction of laboratory components of courses. Applied experience in a laboratory setting and peer mentoring support students' development of laboratory, communication, and organizational skills.
Pre-Requisite(s): Permission of instructor, Permission of chairperson, and sophomore, junior or senior status

BIOL 401 Developmental Biology (4 Credits)
This course studies the fundamental concepts underlying the process of development in animals. Patterns and processes of early development as well as the mechanisms of cell differentiation are covered. Lecture/Recitation/Laboratory.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106 and BIOL 231 or BIOL 236.

BIOL 402 Ecology (4 Credits)
This course deals with general ecological concepts relevant to all habitats. Emphasis is on field study of biotic communities in various habitats.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106 and INTD 180 or MATH 140 or MATH 190 or PSYC 230

BIOL 403 Radiation Biology (4 Credits)
This course studies the biological effects of ionizing radiations. Laboratories include work with radionuclides and the effects of radiation on plants and animals.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106 and PHYS 101 or PHYS 130.

BIOL 404 Immunology (3 Credits)
This lecture course discusses the mammalian immune system and immune responses to infection,with particular emphasis on the human. An overview of immune cells, tissues and organs leads to a detailed discussion of the functions of each type of immune molecule and cell. The immune responses to infectious disease and cancer are examined.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106 and BIOL 237 or BIOL 301 or BIOL 303.

BIOL 406 Molecular Genetics (4 Credits)
This course focuses on the physical and biological properties of nucleic acids. Gene structure and function at the molecular and systems levels are studied and advanced through computational and synthetic biology approaches.
Pre-Requisite(s): BIOL 230 and BIOL 304 and CHEM 106 and CHEM 1106; CHEM 307 recommended.

BIOL 407 Advanced Cell Biology (4 Credits)
Advanced Cell Biology explores detailed topics in cellular structure and physiology with emphasis on molecular composition of organelles, regulation of cell division, and mechanisms of cellular metabolism, integrity and motility. Laboratory exercises investigate selected cellular processes and characteristics through techniques and assays important in the cellular research environment.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106 and BIOL 301 or BIOL 303 or BIOL 305.

BIOL 409 Biological Chemistry (3 Credits)
This course is an overview of the chemical basis of life, with emphasis on biochemical processes. The structures of biomolecules and their nutrient precursors are introduced. Enzymes, nutrient utilization and photosynthesis are considered. Lecture.
Pre-Requisite(s): BIOL 230 and BIOL 301 or BIOL 407 and CHEM 106 and CHEM 1106

BIOL 410 Electron Microscopy (4 Credits)
This course offers an overview of scanning and transmission electron microscopes and their use in biological research. Laboratories include use of the instruments and related techniques.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106 and BIOL 301 OR BIOL 303 or BIOL 305.

BIOL 418 Scanning Electron Microscopy (4 Credits)
This hands-on course offers the theory and practical applications of Scanning Electron Microscopy (SEM) in biological research. Students will develop and apply SEM skills in the surface exploration of cells, tissues, and other biological materials.
Pre-Requisite(s): BIOL 230 and CHEM 106 and CHEM 1106 and BIOL 301 or BIOL 303 or BIOL 305.

BIOL 419 Transmission Electron Microscopy (4 Credits)
This hands-on course offers the theory and practical applications of Transmission Electron Microscopy (TEM) in biological research, especially in examining cellular ultrastructure. Students will develop and apply TEM skills in the operation of the TEM to achieve optimum imaging performance.
Pre-requisite(s): BIOL 230 and CHEM 106 and CHEM 1106 and BIOL 301 and BIOL 303 or BIOL 305.

BIOL 440 Biology Seminar (1 Credit)
In group discussions, students select a current problem not covered in existing course offerings, build a hypothesis, evaluate evidences from other sources, and attempt a solution. Guest speakers and biology department members who have expertise in the topic under discussion participate. Course pre-requisite: Five Major Biology courses above 100 level.
Pre-Requisite(s): Five Biology Major Classes above 100 Level.

BIOL 450 Biology Research (3 Credits)
Supervised by a faculty mentor, each student selects a research topic, completes a literature review, designs and conducts experiments, analyzes data, and prepares a research presentation. Students will learn valuable research skills, apply knowledge to scientific problems, and develop methods of effectively communicating experimental results.
Pre-Requisite(s): Permission of instructor, permission of chairperson, and junior or senior status

BIOL 454 Professorial Assistant (3 Credits)
Supervised by a faculty mentor, each student will contribute to the design, preparation, execution and instruction of laboratory components of courses. Applied experience in a laboratory setting and peer mentoring support students' development of laboratory, communication, and organizational skills.
Pre-Requisite(s): Permission of instructor, permission of chairperson and sophomore, junior or senior status

BIOL 492 Independent Study in Biology (3 Credits)

BIOL 1492 Independent Study in Biology (2 Credits)

BIOL 2492 Independent Study in Biology (1 Credit)

Earth and Environmental Sciences (EESC)

EESC 1XX Earth and Environmental Science Transfer Credit (0 Credits)

EESC 2XX Earth and Environmental Science Transfer Credit (0 Credits)

EESC 109 Principles of Environmental Science (3 Credits)
This course explores the major principles of environmental science and focuses upon environmental challenges and potential solutions in the 21st century.

EESC 121 Mapping the City (3 Credits)
Mapping the City is a place-based course focusing upon important themes in our local, urban environment. Students will use high technology (GIS/GPS) in an activity-based, hands-on atmosphere to GATHER, ANALYZE, and SYNTHESIZE data about their communities that will provide new insights, especially when paired or clustered with other disciplines.

EESC 201 Environmental Science for All: Introduction to Environmental Systems and Processes (3 Credits)
Environmental Science is an interdisciplinary science that integrates natural and social sciences. This course covers various environmental topics of the biosphere, the lithosphere, the hydrosphere, and the atmosphere, as well as social and economic challenges and solutions concerning environmental problems.

EESC 209 Urban Environmental Issues & Policy (3 Credits)
A holistic approach concerning challenges to the modern urban environment, with a local focus. Technical issues are examined within the context of regulatory policy, including examples of both positive and negative environmental outcomes. Field experiences present evidence of the effects of regulatory policy and decision making upon the urban environment.

EESC 210 Environmental Law and Politics (3 Credits)
Environmental laws protect the environment and human health, and regulate the use of natural resources. This course introduces the central concepts and theories underlying environmental laws and the politics of U.S. environmental policy making, as well as the history of environmental laws and environmental policy debates, while engaging students in community-based active learning.

EESC 223 The Blue Planet: The Oceans (3 Credits)
The Earth is called the Blue Planet because Earth's surface is mainly covered by oceans. The topics of this course include the origin of oceans, the sea floor, ocean basin, plate tectonics, marine sediments, coastal environments, seawater chemistry, ocean currents-tides-waves, ocean-atmosphere interaction, and biological activities in marine environment.

EESC 230 Natural Disasters and Society (3 Credits)
Natural disasters threaten humans and society, and cause severe economic, financial, and social impacts. This course introduces students to interdisciplinary aspects of natural disasters. Students will learn about a variety of natural hazards, including earthquakes, landslides, tsunamis, volcanic activity, floods, and wildfires, as well as the risk assessment and mitigation.
Pre-Requisite(s): ENGL 101

EESC 231 Water Chronicles (3 Credits)
Water scarcities due to economic growth, ecosystem demands and climate change require integrative approaches to water use and management. This class introduces students to the science of surface, ground and coastal waters as well as taking a case study approach to human and ecological needs for water and sustainable water management.

EESC 235 Global Climate Change (3 Credits)
This course introduces principles of Earth's climate systems, and discusses evidence for past, present and future climate changes. Students examine natural and anthropogenic climate forcing agents, negative and positive feedback mechanisms. The course focuses on social, historical and environmental aspects of climate change, and thus aims to promote climate-science literacy.

EESC 236 Our Sustainable World: Urban and Global Sustainability (3 Credits)
This course introduces concepts and framework of sustainability on the local to global scale and examines the environmental, economic, political, and social aspects of urban and global sustainability. This course will explore various sustainability issues in human and natural systems as well as solutions to sustainability challenges.

EESC 237 Environmental Issues and Policy: Global and Urban Perspectives (3 Credits)
This course examines various environmental issues on local, national, and global scales, including water and air pollution to global climate change. Students will develop in-depth understanding of environmental policies in the U.S. and global communities. Students will learn important functions of environmental policies in managing environmental quality.

EESC 238 Wonders of Weather: The Atmosphere (3 Credits)
It is important to understand how weather works because weather affects our daily life. This course covers a variety of topics related to the weather and the atmosphere, including temperature, humidity, clouds, precipitation, wind, weather forecasting, weather disasters, air pollution, and climate.

EESC 250 Plunder: The Race for Natural Resources (3 Credits)
The race for natural resources has driven human civilization and conquest. Raw materials are found in different geological and geographical areas. This course will explore the geology behind these deposits and the ensuing environmental consequences of resource exploitation as a consequence of the rise and fall of empires.

EESC 252 GIS I: Contemporary Applications of GIS (3 Credits)
Geographic Information System (GIS) computer technology allows one to store, retrieve, map, and analyze different types of data (scientific, political, cultural, economic, etc.) GIS skills are utilized in a variety of job settings. Students will learn the basic theory behind GIS and be exposed to applications in various disciplines.

EESC 255 It's a Large World of Microbes: Environmental Science of Microorganisms (3 Credits)
Microorganisms are everywhere — from plants and animals to air, soil and water. Microbes have profound effects on our daily lives and modern society. This course focuses on a variety of environmental topics related to microbial activities, interactions and processes and examines microbial activities in the context of anthropogenic concerns.

EESC 256 Environmental Justice for Our Community (3 Credits)
Environmental justice is important to ensure that a clean and healthy environment is available equally for all people, regardless of race, ethnicity, gender, or income. This course will examine the theories, issues and history of environmental justice and engage students in community-based active learning.

EESC 325 GIS for the Urban Community (3 Credits)
GIS is a powerful tool for urban planners to understand complex urban issues. GIS is utilized for analysis, modeling and visualization of urban areas. This course focuses on the applications of GIS for urban planning and management and covers various issues and challenges of urban communities.
Pre-Requisite(s): 8 Gen Ed Courses across Tier 1 and Tier 2.

EESC 340 Hydrology I (3 Credits)
This course offers a study in the hydrological cycle, the physical, optical, and general characteristics of water and uses. Major types of pollution and their effect on the user, water supply, water resources, floods, and water management are covered.
Pre-Requisite: EESC 135

EESC 350 GIS II: Contemp Analysis w/GIS (3 Credits)
This course builds upon the skills sets developed in GEOG 250, where students learned how to use Geographic Information System (GIS) technology to acquire and map data. GEOG 350 trains the student in techniques needed to analyze these data. GIS analysis can take many forms, but typically requires the evaluation of multiple data sets in order to understand and predict certain patterns and/or outcomes. Computer lab exercises will provide practical, hands-on experience.
Pre-Requisite(s): EESC 252

EESC 410 Urban Soil Survey (4 Credits)
This course provides hands-on, experiential learning opportunities in field and laboratory settings to comprehend geological and hydrological functions of urban soils. Physical, chemical, structural and textural properties of urban and natural soils are compared and contrasted to evaluate soil quality and relate quality to environmental sustainability.
Pre-Requisite(s): EESC 135

EESC 455 GIS III: Modeling with GIS (3 Credits)
This course introduces advanced GIS users to geodatabase design and modeling techniques/applications. It is the final course in a 3 course GIS series at NJCU.
Pre-Requisite(s): EESC 252

EESC 460 GIS IV: Web-Based GIS (3 Credits)
There are increasing numbers of 21st-century online GIS users and data providers who are changing the manner in which GIS data are created, shared and utilized. Web-based and online GIS applications and services are explored in this course.
Prerequisite: EESC 252 GIS I

EESC 465 GIS V: Remote Sensing and Raster GIS (3 Credits)
Many types of continuous surfaces have properties conducive to raster-based spatial analysis. This course provides advanced GIS students with tools and techniques commonly utilized when processing and analyzing aerial and satellite imagery as well as other remote sensing and raster data.
Prerequisite: EESC 252 GIS I

EESC 470 GIS VI: Advanced Applications of GIS (3 Credits)
GIS has proven itself extremely useful in a wide array of diverse disciplines, from Earth Science to English. This advanced course explores a number of potential GIS-based approaches to complex problems in a variety of disciplinary contexts.
Prerequisite: EESC 252 GIS I

Biology, B.A.

The Bachelor of Arts degree in Biology provides students with a comprehensive understanding of general biology and prepares them for successful entry to employment, graduate school, or selected professional schools. The Bachelor of Arts in Biology prepares students for careers in academic and industrial research; teaching, through the alternate pathway to certification; and for various careers in the publishing, pharmaceutical, biomedical and biotechnology industries.

Minimum Grade Requirements: Students must earn a C or higher in major course

Total Credit Hours: 56

Code	Title	Credits
Required Biology Courses:		**21**
BIOL 130	Principles Biology I	4
BIOL 131	Principles Biology II	4
BIOL 230	Cell Biology	4
BIOL 304	Genetics	4
BIOL 402	Ecology	4
or BIOL 332	Field Ecology	
BIOL 440	Biology Seminar	1
Elective Biology Courses: Must take a minimum of 15 credits from the courses below		**15**
BIOL 217	Life In The Sea	3
BIOL 231	Comparative Anatomy	4
BIOL 232	Invertebrate Zoology	4
BIOL 233	Principles of Botany	4
BIOL 236	Anatomy & Physiology I	4
BIOL 237	Anatomy & Physiology II	4
BIOL 252	Evolution: A Biological and Geological Approach	3
BIOL 301	General Physiology	4
BIOL 302	Plant Physiology	4
BIOL 303	Microbiology	4
BIOL 305	Histology	4
BIOL 308	Plant Taxonomy	4
BIOL 311	Pathophysiology	3
BIOL 312	Endocrinology	3
BIOL 332	Field Ecology	4
BIOL 335	Essential Concepts in Neuroscience	3
BIOL 350	Biology Research	2
BIOL 401	Developmental Biology	4
BIOL 403	Radiation Biology	4
BIOL 404	Immunology	3
BIOL 406	Molecular Genetics	4
BIOL 407	Advanced Cell Biology	4
BIOL 418	Scanning Electron Microscopy	4
BIOL 450	Biology Research	3
Required Chemistry Courses:		**10**
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
Required Physics Course:		**3**
PHYS 101	Basic Concepts of Physics	3
Required Math and Computer Science Courses:		**7**
MATH 175	Enhanced Precalculus	4
INTD 180	Computer Tools For Science and Mathematics	3
or MATH 140	Statistics I	
or PSYC 230	Statistics for Social Sciences	
Total Credits:		**56**

1. Students must successfully complete a minimum of 5 Biology major courses at NJCU.
2. Credits earned for Biology courses more than 10 years ago may not satisfy department requirements.
3. A minimum grade of “C” is required in each Biology, Chemistry, Physics and Mathematics course in order to receive the BA in Biology.

4. Students must achieve an average of “C” (2.0) or better in Principles of Biology I & II before enrolling in higher-level Biology courses.
5. Students must successfully complete each required course within three attempts to remain in the BA in Biology program.
6. Students must successfully complete both Anatomy & Physiology I and II to earn Biology elective credits.
7. Students may apply up to 6 credits of Biology Research or Coop Education toward the BA in Biology requirements.
8. Biology electives should be selected from courses numbered higher than BIOL 230.

Freshman		
Semester 1		**Credits**
BIOL 130	Principles Biology I	4
	Credits	**4**
Semester 2		
BIOL 131	Principles Biology II	4
MATH 175	Enhanced Precalculus	4
	Credits	**8**
Sophomore		
Semester 1		
BIOL 230	Cell Biology	4
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
	Credits	**9**
Semester 2		
BIOL 304	Genetics	4
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
	Credits	**9**
Junior		
Semester 1		
Biology Elective above BIOL 230		4
PHYS 101	Basic Concepts of Physics	3
	Credits	**7**
Semester 2		
Biology Elective Above BIOL 230		4
MATH 140 or INTD 180	Statistics I or Computer Tools For Science and Mathematics	3
	Credits	**7**
Senior		
Semester 1		
BIOL 402 or BIOL 332	Ecology or Field Ecology	4
Biology Elective above BIOL 230		3
	Credits	**7**
Semester 2		
BIOL 440	Biology Seminar	1
Biology Elective above BIOL 230		4
	Credits	**5**
	Total Credits	**56**

All Biology core courses must have a C or higher

1 https://nextcatalog.njcu.edu/undergraduate/undergraduate-degree-requirements/general-education/tier-i-courses/ (p. 6)

Student Learning Outcomes

Upon completion of the Biology BA program, students will be able to:

1. Demonstrate knowledge of the factual and theoretical basis of biology including mechanisms on the molecular, cellular, organismal, and systems levels.
2. Demonstrate understanding of scientific inquiry and explain how scientific knowledge is discovered and validated.
3. Apply quantitative knowledge and reasoning to describe or explain phenomena i natural world.
4. Demonstrate knowledge of basic principles of chemistry and their application to understanding living systems.
5. Communicate scientific information in written and/or oral formats.

Biology, B.S.

The Bachelor of Science degree in Biology provides a broad-based education in modern life science while offering the opportunity for students to concentrate their efforts within various biological disciplines. Through consultation with a professional advisor, students may select elective courses that focus on cell and molecular biology, biomedical sciences, organismal biology, or environmental studies. The Bachelor of Science curriculum includes a strong background in the supporting sciences: Chemistry, Physics, Mathematics and Computers. The Bachelor of Science in Biology prepares students for admission to graduate, medical, dental, and other professional schools; for careers in academic and industrial research; teaching; and for various careers in the publishing, pharmaceutical, biomedical and biotechnology industries.

The Department also offers two dedicated Biology, B.S. tracks:

- Molecular and Cellular Biology (p. 74)
- Environmental and Organismal Biology (p. 75)

Minimum Grade Requirements:

- Students must achieve an average of “C” (2.0) or better in Principles of Biology I & II before enrolling in higher-level Biology courses.
- A minimum grade of “C” is required in each Biology, Chemistry, Physics and Mathematics course in order to receive the BS in Biology.

Total Credit Hours: 73

Code	Title	Credits
Required Biology Courses:		**21**
BIOL 130	Principles Biology I	4
BIOL 131	Principles Biology II	4
BIOL 230	Cell Biology	4
BIOL 304	Genetics	4
BIOL 402 or BIOL 332	Ecology Field Ecology	4
BIOL 440	Biology Seminar	1
Elective Biology Courses:		**15**
BIOL 217	Life In The Sea	3
BIOL 231	Comparative Anatomy	4
BIOL 232	Invertebrate Zoology	4
BIOL 233	Principles of Botany	4

BIOL 236	Anatomy & Physiology I	4
BIOL 237	Anatomy & Physiology II	4
BIOL 252	Evolution: A Biological and Geological Approach	3
BIOL 301	General Physiology	4
BIOL 302	Plant Physiology	4
BIOL 303	Microbiology	4
BIOL 305	Histology	4
BIOL 308	Plant Taxonomy	4
BIOL 311	Pathophysiology	3
BIOL 312	Endocrinology	3
BIOL 332	Field Ecology	4
BIOL 335	Essential Concepts in Neuroscience	3
BIOL 350	Biology Research	2
BIOL 401	Developmental Biology	4
BIOL 403	Radiation Biology	4
BIOL 404	Immunology	3
BIOL 406	Molecular Genetics	4
BIOL 407	Advanced Cell Biology	4
BIOL 418	Scanning Electron Microscopy	4
BIOL 450	Biology Research	3
Required Chemistry Courses:		**18**
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
CHEM 208	Organic Chemistry II	3
or CHEM 205	Analytical Chemistry Lec	
or CHEM 307	Biochemistry I	
or BIOL 401	Developmental Biology	
or BIOL 403	Radiation Biology	
or BIOL 404	Immunology	
or BIOL 406	Molecular Genetics	
or BIOL 407	Advanced Cell Biology	
or BIOL 410	Electron Microscopy	
or BIOL 418	Scanning Electron Microscopy	
or BIOL 450	Biology Research	
And CHEM 2208	Organic Chemistry Laboratory	1
Required Physics Course:		**8**
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1
Required Math and Computer Science Courses:		**7**
MATH 192	Calculus and Analytic Geometry I	4
INTD 180	Computer Tools For Science and Mathematics	3
or MATH 140	Statistics I	
or PSYC 230	Statistics for Social Sciences	
Total Credits:		**73**

1. Students must successfully complete a minimum of 5 Biology major courses at NJCU.
2. Credits earned for Biology courses more than 10 years ago may not satisfy department requirements.
3. A minimum grade of “C” is required in each Biology, Chemistry, Physics and Mathematics course in order to receive the BS in Biology.
4. Students must achieve an average of “C” (2.0) or better in Principles of Biology I & II before enrolling in higher-level Biology courses.
5. Students must successfully complete each required course within three attempts to remain in the BS in Biology program.
6. Students must successfully complete both Anatomy & Physiology I and II to earn Biology elective credits for Principles of Anatomy II.
7. Students may apply up to 6 credits of Biology Research or Coop Education toward the BS in Biology requirements.

Freshman		
Semester 1		**Credits**
BIOL 130	Principles Biology I	4
MATH 192 or MATH 175	Calculus and Analytic Geometry I or Enhanced Precalculus	4
	Credits	**8**
Semester 2		
BIOL 131	Principles Biology II	4
	Credits	**4**
Sophomore		
Semester 1		
BIOL 230	Cell Biology	4
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
INTD 180 or MATH 140 or PSYC 230	Computer Tools For Science and Mathematics or Statistics I or Statistics for Social Sciences	3
	Credits	**12**
Semester 2		
BIOL 304	Genetics	4
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
Biology Elective 2xx (above BIOL 230)		3-4
	Credits	**12-13**
Junior		
Semester 1		
Biology Elective 2xx (above BIOL 230)		4
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
	Credits	**8**
Semester 2		
Biology Elective 2xx (above BIOL 230)		4
CHEM 208 or CHEM 307	Organic Chemistry II or Biochemistry I	3

CHEM 2208 or CHEM 307	Organic Chemistry II Laboratory or Biochemistry I	1
	Credits	**8**
Senior		
Semester 1		
BIOL 402 or BIOL 332	Ecology or Field Ecology	4
Biology Elective 2xx (above BIOL 230)		4
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
	Credits	**12**
Semester 2		
BIOL 440	Biology Seminar	1
Biology Elective 2XX (above BIOL 230)		4
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1
	Credits	**9**
	Total Credits	**73-74**

Student Learning Outcomes

Upon completion of the Biology BS program, students will be able to:

1. Demonstrate knowledge of the factual and theoretical basis of biology in mechanisms on the molecular, cellular, organismal, and systems levels.
2. Demonstrate understanding of scientific inquiry and explain how scientific inquiry and explain how scientific knowledge is discovered and validated.
3. Apply quantitative knowledge and reasoning to describe or explain phenc natural world.
4. Demonstrate knowledge of basic principles of chemistry and their applica understanding living systems.
5. Communicate scientific information in written and/or oral formats.

Biology, B.S-Molecular and Cellular Biology*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The Bachelor of Science degree in Biology, Molecular and Cellular Biology (MCB)Concentration provides a broad-based education in modern life science while offering the opportunity for students to concentrate their efforts within studies related to molecular and cellular biology. Through consultation with a professional advisor, students select elective courses that focus on cell and molecular biology and, biomedical sciences. The Bachelor of Science curriculum includes a strong background in the supporting sciences: Chemistry, Physics, and Mathematics. The MCB concentration prepares students for admission to graduate, medical, dental, and other professional schools; for careers in academic and industrial research; teaching; and for various careers in the publishing, pharmaceutical, biomedical and biotechnology industries.

Students may declare their interest in entering into the BS concentration after completing Principles of Biology I and II. Students must have earned a minimum GPA of 2.7 to select a BS concentration. Students may apply to enter into specific BS concentrations following consultation with department advisors.

Core Biology Requirements

Total Credit Hours: 72

Code	Title	Credits
Core Biology Requirements		**13**
BIOL 130	Principles Biology I	4
BIOL 131	Principles Biology II	4
BIOL 304	Genetics	4
BIOL 440	Biology Seminar	1
Core Science and Math		**29**
MATH 140	Statistics I	3
MATH 192	Calculus and Analytic Geometry I	4
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
Concentration Specific Requirements		16
BIOL 230	Cell Biology	4
BIOL 406	Molecular Genetics	4
BIOL 407	Advanced Cell Biology	4
CHEM 208 or CHEM 307	Organic Chemistry II Biochemistry I	3
CHEM 2208	Organic Chemistry II Laboratory	1
Concentration Specific Electives		14
BIOL 301	General Physiology	4
BIOL 303	Microbiology	4
BIOL 305	Histology	4
BIOL 335	Essential Concepts in Neuroscience	3
BIOL 401	Developmental Biology	4
BIOL 403	Radiation Biology	4
BIOL 404	Immunology	3
BIOL 418	Scanning Electron Microscopy	4
BIOL 419	Transmission Electron Microscopy	4
BIOL 450	Biology Research	3

Freshman		
Semester 1		**Credits**
BIOL 130	Principles Biology I	4
	Credits	**4**
Semester 2		
BIOL 131	Principles Biology II	4
	Credits	**4**
Sophomore		
Semester 1		
BIOL 230	Cell Biology	4
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
MATH 192	Calculus and Analytic Geometry I	4
	Credits	**13**
Semester 2		
BIOL 304	Genetics	4
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
MATH 140	Statistics I	3
	Credits	**12**
Junior		
Semester 1		
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
Biology Concentration Elective		3
	Credits	**7**
Semester 2		
CHEM 208 or CHEM 307	Organic Chemistry II or Biochemistry I	3
CHEM 2208	Organic Chemistry II Laboratory	1
Biology Concentration Elective		3
	Credits	**7**
Senior		
Semester 1		
BIOL 406	Molecular Genetics	4
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
Biology Concentration Elective		4
	Credits	**12**
Semester 2		
BIOL 407	Advanced Cell Biology	4
BIOL 440	Biology Seminar	1
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1
Biology Concentration Elective		4
	Credits	**13**
	Total Credits	**72**

Graduates of the MCB Concentration will be able to:

1. Describe of the nature of science and knowledge of the factual and theoretical bases of biology, including mechanisms on the molecular and cellular levels.
2. Differentiate the components of prokaryotic and eukaryotic cells
3. Relate the structure, interaction and regulation of organic molecules to essential functions and metabolic processes and pathways of prokaryotic and eukaryotic cells.
4. Demonstrate knowledge of the structures and functions of and relationships among informational and cell signaling molecules, including their roles in cell division, inheritance, gene expression, phenotype and cell death.
5. Analyze interactions between and among molecules, molecular systems and assemblages, cells and cellular systems, and multicellular entities essential to systems biology.
6. Relate scientific concepts to contemporary issues such as disease processes, inherited disorders, drug resistance, and recombinant DNA and transgenic organisms.
7. Demonstrate understanding of scientific inquiry and explain how scientific knowledge is acquired and validated.
8. Apply quantitative knowledge and reasoning to describe or explain phenomena in the natural world.
9. Compose written and/or oral presentations utilizing scientific information.
10. Develop research methods employing up-to-date scientific tools to study molecular and cellular biology.

Biology, B.S-Environmental and Organismal Biology*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The Bachelor of Science degree in Biology, EOB Concentration, provides a broad-based education in modern life science while offering the opportunity for students to concentrate their efforts within studies related to ecological and organismal biology. Through consultation with a professional advisor, students select elective courses that focus on ecological, environmental, evolutionary, or organismal biology.
The Bachelor of Science curriculum includes a strong background in the supporting sciences: Chemistry, Physics, and Mathematics. The EOB concentration prepares students for admission to graduate and professional schools; for careers in academic and industrial research; teaching; and for various careers in the environmental and ecological sciences.

Students may declare their interest in entering into the BS concentration after completing Principles of Biology I and II. Students must have earned a minimum GPA of 2.7 to select a BS concentration. Students may apply to enter into a specific BS concentration following consultation with department advisors.

Total Credit Hours: 69-70

Code	Title	Credits
Biology Core Requirements		
BIOL 130	Principles Biology I	4
BIOL 131	Principles Biology II	4
BIOL 304	Genetics	4
BIOL 440	Biology Seminar	1
Core Science and Mathematics		
MATH 140	Statistics I	3
MATH 192	Calculus and Analytic Geometry I	4
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
Concentration Specific Requirements		
BIOL 203	Biology of the Environment	3
BIOL 252	Evolution: A Biological and Geological Approach	3
MATH 141	STATISTICS II	3
BIOL 402	Ecology	4
CHEM 220	Environmental Chemistry	4
Concentration Specific Electives (11-12 credits)		
BIOL 232	Invertebrate Zoology	4
BIOL 233	Principles of Botany	4
BIOL 301	General Physiology	4
BIOL 308	Plant Taxonomy	4
BIOL 302	Plant Physiology	4
BIOL 231	Comparative Anatomy	4
BIOL 418	Scanning Electron Microscopy	4
BIOL 419	Transmission Electron Microscopy	4
BIOL 332	Field Ecology	4
BIOL 303	Microbiology	4
BIOL 401	Developmental Biology	4
BIOL 450	Biology Research	3
CHEM 307	Biochemistry I	4

Freshman

Semester 1		**Credits**
BIOL 130	Principles Biology I	4
	Credits	**4**
Semester 2		
BIOL 131	Principles Biology II	4
	Credits	**4**
Sophomore		
Semester 1		
BIOL 203	Biology of the Environment	3
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
MATH 192	Calculus and Analytic Geometry I	4
	Credits	**12**
Semester 2		
BIOL 304	Genetics	4
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
MATH 140	Statistics I	3
	Credits	**12**
Junior		
Semester 1		
BIOL 252	Evolution: A Biological and Geological Approach	3
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
Biology Concentration Elective		4
	Credits	**11**
Semester 2		
CHEM 220	Environmental Chemistry	4
MATH 141	STATISTICS II	3
	Credits	**7**
Senior		
Semester 1		
BIOL 402	Ecology	4
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
	Credits	**8**
Semester 2		
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1
Biology Concentration Elective		4
Biology Concentration Elective		4
	Credits	**12**
	Total Credits	**70**

Graduates of the EOB Concentration will be able to:

1. Describe and analyze all aspects of the life of organisms, including their biodiversity, anatomical structure, physiology, development, biogeography, and ecology.

2. Describe and analyze the patterns and processes of genetic changes within populations over time.

3. Describe and analyze interactions between organisms and the environment, and how ecosystems function, including adaptation, distribution patterns, community interactions, biogeochemical cycles, and the effects of climate and climate change on these interactions.

4. Apply the research tools and methods used in the study of environmental and organismal biology.

5. Articulate how science relates to current problems in the modern world, especially contemporary concerns such as conservation biology, climate change, and ecosystem degradation.

6. Demonstrate understanding of scientific inquiry and explain how scientific knowledge is discovered and validated.

7. Apply quantitative knowledge and reasoning to describe or explain phenomena in the natural world.

8. Communicate scientific information in written and/or oral formats.

9. Enter into careers or pursue graduate or professional degrees utilizing skillset acquired in their major studies.

Biology, B.S./ Doctor of Podiatric Medicine Dual Degree with New York College of Podiatric Medicine (NYCPM)*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

Podiatric Medicine specializes in the study and care of the foot, including its anatomy, pathology, and medical and surgical treatment. A student participating in this dual-degree program spends three years at New Jersey City University as Biology major pursuing a B.S. degree. During the third year, the student takes the Medical College Admissions test (MCAT) and applies to New York College of Podiatric Medicine (NYCPM). If accepted, the student pursues a doctoral program at the NYCPM. After the successful completion of the first year at NYCPM, New Jersey City University will grant the student a B.S. degree in Biology. After completing the fourth year of study at NYCPM the student is granted the degree of Doctor of Podiatric Medicine (D.P.M.).

This program is designed for students entering NJCU from high school, with placements into college-level composition and math courses. Transfer students are not guaranteed to have completed coursework appropriate to join the combined B.S./D.P.M. program.

- Applications and MCAT scores must be submitted to NYCPM by December 1st of the year preceding NYCPM enrollment. Applicants who meet the objective academic criteria noted above may be invited to an interview with the NYCPM Admissions Committee. However, an invitation to an interview does not guarantee acceptance into the podiatry program.
- Applicants not invited to an interview, or not selected for admission to NYCPM, shall be notified as early as possible, and may reapply for regular admission to NYCPM in the following year.
- Courses intended for transfer from NYCPM to NJCU must be completed during the first year of study at NYCPM.
- Students will not be granted duplicate credit for courses taken at New Jersey City University if the equivalent course is required at NYCPM. New Jersey City University courses that are not acceptable for NYCPM credit are: Anatomy & Physiology I, Anatomy & Physiology II, Histology, Developmental Biology, and General Physiology.
- Any student who does not complete the first year of study at NYCPM may return to NJCU to complete the BS degree in Biology.

Code	Title	Credits
Required Biology Courses:		**21**
BIOL 130	Principles Biology I	4
BIOL 131	Principles Biology II	4
BIOL 230	Cell Biology	4
BIOL 304	Genetics	4
BIOL 402	Ecology	4
BIOL 440	Biology Seminar	1
Biology Elective Courses:		**14-15**
Select 4 Biology courses numbered higher than BIOL 230.		
Chemistry Required Courses:		**18**
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
CHEM 208	Organic Chemistry II	3
CHEM 2208	Organic Chemistry II Laboratory	1
Physics Required Courses:		**8**
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1
Math and Computer Science Required Courses:		**11**
MATH 192	Calculus and Analytic Geometry I	4
MATH 193	Calculus and Analytic Geometry II	4
INTD 180	Computer Tools For Science and Mathematics	3
or PSYC 230	Statistics for Social Sciences	
or MATH 140	Statistics I	
Total Required Course Credits:		**72-73**

English Composition I & II, Principles of Biology I & II, General Chemistry I & II and Organic Chemistry I & II must be completed by the end of the second year of study at NJCU to ensure proper preparation for the MCAT. All prerequisite science and math courses and their labs will be completed at NJCU after the time of first enrollment at NJCU.

A minimum of five (5) biology major courses must be completed at NJCU. A minimum grade of “B” must be attained in each Biology, Chemistry, Physics and Math course, a minimum cumulative GPA of 3.0, and a minimum science GPA of 3.0 are required for acceptance to and retention in the program. A minimum of 36 credits must be completed in NJCU’s General Education Program courses.

No withdrawal or incomplete grades are permitted in any podiatry school prerequisites.

Freshman		
Semester 1		**Credits**
BIOL 130	Principles Biology I	4
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
	Credits	**9**
Semester 2		
BIOL 131	Principles Biology II	4
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
	Credits	**9**
Sophomore		
Semester 1		
BIOL 230	Cell Biology	4
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
MATH 192	Calculus and Analytic Geometry I	4
	Credits	**16**
Semester 2		
BIOL 304	Genetics	4
CHEM 208	Organic Chemistry II	3
CHEM 2208	Organic Chemistry II Laboratory	1
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1
MATH 193	Calculus and Analytic Geometry II	4
	Credits	**16**
Junior		
Semester 1		
Biology Elective 2xx (above BIOL 230)		4
MATH 140	Statistics I	3
	Credits	**7**
Semester 2		
Biology elective 2xx (Above BIOL230)		3
	Credits	**3**
Senior		
Semester 1		
BIOL 402	Ecology	4
Biology Elective 3xx (above BIOL 230)		3-4
	Credits	**7-8**
Semester 2		
BIOL 440	Biology Seminar	1
Biology Elective 4xx (above BIOL 230)		4
	Credits	**5**
	Total Credits	**72-73**

Student Learning Outcomes

Upon completion of the Biology, B.S./ Doctor of Podiatric Medicine Dual Degree with New York College of Podiatric Medicine program, students will be able to:

1. Demonstrate knowledge of the factual and theoretical basis of biology including mechanisms on the molecular, cellular, organismal, and systems levels.
2. Demonstrate understanding of scientific inquiry and explain how scientific knowledge is discovered and validated.
3. Apply quantitative knowledge and reasoning to describe or explain phenomena in the natural world.
4. Demonstrate knowledge of basic principles of chemistry and their application to understanding living systems.
5. Communicate scientific information in written and/or oral formats.

Biology - Medical Imaging Science—Cardiovascular Sonography and Diagnostic Medical Sonography Specialization, Joint-Degree Program, B.S.*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The Bachelor of Science joint-degree programs in Medical Imaging Science—Cardiovascular Sonography and Medical Imaging Science—Diagnostic Medical Sonography with Rutgers University School of Health Professions qualifies students for certification examinations leading to professional licensures. Sonographers provide vital data to physicians and other practitioners to assist in the diagnosis, monitoring, and treatment of disease and maintenance of health. Medical Imaging Scientists employ complex instrumentation and procedures to perform their duties. Students interested in this field should have a strong interest in science, have the capacity to learn technical skills, work accurately and reliably when under pressure, and effectively communicate with others. Students must apply for acceptance to Rutgers University School of Health Professions by January 15 of the same year prior to their beginning a clinical program in the following autumn. Acceptance to the joint-degree program in Medical Imaging Science requires a minimum CGPA of 2.85.

Total Credit Hours: 58-59

Code	Title	Credits
Required Biology Courses		**24**
BIOL 130	Principles Biology I	4
BIOL 131	Principles Biology II	4
BIOL 230	Cell Biology	4
BIOL 236	Anatomy & Physiology I	4
BIOL 237	Anatomy & Physiology II	4

BIOL 303	Microbiology	4
Biology Elective Courses: Take Two Courses		**7-8**
BIOL 217	Life In The Sea	3
BIOL 231	Comparative Anatomy	4
BIOL 232	Invertebrate Zoology	4
BIOL 233	Principles of Botany	4
BIOL 252	Evolution: A Biological and Geological Approach	3
BIOL 301	General Physiology	4
BIOL 302	Plant Physiology	4
BIOL 304	Genetics	4
BIOL 305	Histology	4
BIOL 308	Plant Taxonomy	4
BIOL 311	Pathophysiology	3
BIOL 312	Endocrinology	3
BIOL 332	Field Ecology	4
BIOL 335	Essential Concepts in Neuroscience	3
BIOL 350	Biology Research	2
BIOL 401	Developmental Biology	4
BIOL 402	Ecology	4
BIOL 403	Radiation Biology	4
BIOL 404	Immunology	3
BIOL 406	Molecular Genetics	4
BIOL 407	Advanced Cell Biology	4
BIOL 418	Scanning Electron Microscopy	4
BIOL 440	Biology Seminar	1
BIOL 450	Biology Research	3
Required Chemistry Courses		**14**
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
Required Physics Course		**3**
PHYS 101	Basic Concepts of Physics	3
Required Math and Computer Science Courses		**10**
MATH 175	Enhanced Precalculus	4
INTD 180	Computer Tools For Science and Mathematics	3
MATH 140 or PSYC 230	Statistics I Statistics for Social Sciences	3
Total Credits		**58-59**

CODE	TITLE	CREDITS

1. **Elective courses are selected from Biology courses numbered higher than BIOL 230. A minimum cumulative grade point average (CGPA) of 2.0 in BIOL 130 and BIOL 131 must be attained in order to enroll in advanced courses. Both BIOL 204 and BIOL 237 must be successfully completed in order to earn credit toward Biology Department requirements.**
2. **CHEM 105/CHEM 1105 and CHEM 106/CHEM 1106 are prerequisites for all 300- and 400-level Biology courses.**
3. **This course sequence is suggested to meet General Education Program requirements that are specific for this program and to facilitate the timely completion of all required courses at NJCU prior to beginning the clinical program at Rutgers, The State University of New Jersey.**
4. **Some courses are part of the General Education Program and may be used to simultaneously satisfy a General Education Mode of Inquiry requirement.**
5. **A minimum grade of ""C"" must be earned in each Biology, Chemistry, Physics and Mathematics course to satisfy Biology degree requirements.**
6. **Application for admission to the Rutgers program should be filed by January 15 of the year in which the clinical training will begin. Acceptance to the Rutgers program requires a minimum 2.85 GPA.**
7. **Students applying for transfer into the B.S. in Medical Imaging Sciences program are advised that NJCU has a seven-year statute of limitation for course acceptance.**

CODE	TITLE	CREDITS
Freshman		
Semester 1		**Credits**
BIOL 130	Principles Biology I	4
MATH 175	Enhanced Precalculus	4
	Credits	**8**
Semester 2		
BIOL 131	Principles Biology II	4
MATH 140 or PSYC 230	Statistics I or Statistics for Social Sciences	3
	Credits	**7**
Sophomore		
Semester 1		
BIOL 230	Cell Biology	4
BIOL 236	Anatomy & Physiology I	4
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
	Credits	**13**
Semester 2		
BIOL 237	Anatomy & Physiology II	4
BIOL 303	Microbiology	4
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
	Credits	**13**

Junior		
Semester 1		
Biology Elective 2XX (above BIOL 230)		4
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
INTD 180	Computer Tools For Science and Mathematics	3
	Credits	**11**
Semester 2		
Biology Elective 2XX (above BIOL 230)		4
PHYS 101	Basic Concepts of Physics	3
	Credits	**7**
Senior		
Semester 1		
Clinical Courses Taken at Rutgers School of Health Professions		16
	Credits	**16**
Semester 2		
Clinical Courses Taken at Rutgers School of Health Professions		16
	Credits	**16**
	Total Credits	**91**

Student Learning Outcomes

Upon completion of the Biology Medical Imaging Science program, students will be able to:

1. Demonstrate knowledge of the factual and theoretical basis of biology including mechanisms on the molecular, cellular, organismal, and systems levels.
2. Demonstrate understanding of scientific inquiry and explain how scientific knowledge is discovered and validated.
3. Apply quantitative knowledge and reasoning to describe or explain phenomena in the natural world.
4. Demonstrate knowledge of basic principles of chemistry and their application to understanding living systems.
5. Demonstrate preparedness to enter the Professional work force.

Biology - Medical Laboratory Science, Joint-Degree Programs, B.S.

The Bachelor of Science joint-degree program in Medical Laboratory Science with Rutgers University School of Health Professions qualifies students for certification examination leading to professional licensure. Medical Laboratory Scientists provide vital data to physicians and other practitioners to assist in the diagnosis, monitoring, and treatment of disease and maintenance of health. Medical Laboratory Scientists employ complex instrumentation and procedures to perform their duties. Major areas included in their work are: Clinical Chemistry, Clinical Microbiology, Hematology, Immunohematology (Blood Banking), Urinalysis and Serology. Students interested in this field should have a strong interest in science, have the capacity to learn technical skills, work accurately and reliably when under pressure, and effectively communicate with others. The program operates on a cohort basis, beginning in late May of each year. The application period opens on November 1 of the prior year, with an application deadline of March 1. Applicants are recommended to apply as early as possible due to the program's competitiveness. Acceptance to the joint-degree program in Medical Laboratory Science requires a minimum CGPA of 2.85.

Total Credit Hours: 59

Code	Title	Credits
Required Biology Courses:		**31**
BIOL 130	Principles Biology I	4
BIOL 131	Principles Biology II	4
BIOL 230	Cell Biology	4
BIOL 236	Anatomy & Physiology I	4
BIOL 237	Anatomy & Physiology II	4
BIOL 303	Microbiology	4
BIOL 304	Genetics	4
BIOL 404	Immunology	3
Required Chemistry Courses:		**18**
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
CHEM 307	Biochemistry I	4
Required Math and Computer Science Courses:		**10**
MATH 175	Enhanced Precalculus	4
INTD 180	Computer Tools For Science and Mathematics	3
MATH 140 or PSYC 230	Statistics I Statistics for Social Sciences	3
Total Credits of 120 Minimum:		59

1. A minimum cumulative grade point average (CGPA) of 2.0 in BIOL 130 and BIOL 131 must be attained in order to enroll in advanced courses. Both BIOL 236 and BIOL 237 must be successfully completed in order to earn credit toward Biology Department requirements.
2. CHEM 105/CHEM 1105 and CHEM 106/CHEM 1106 are prerequisites for all 300- and 400-level Biology courses.
3. This course sequence is suggested to meet General Education Program requirements that are specific for this program and to facilitate the timely completion of all required courses at NJCU prior to beginning the clinical program at Rutgers, The State University of New Jersey.
4. Some courses are part of the General Education Program and may be used to simultaneously satisfy a General Education Mode of Inquiry requirement.
5. A minimum grade of ""C"" must be earned in each Biology, Chemistry, Physics and Mathematics course to satisfy Biology degree requirements.
6. Application for admission to the Rutgers program should be filed by January 15 of the year in which the clinical training will begin. Acceptance to the Rutgers program requires a minimum 2.85 GPA.
7. Students applying for transfer into the B.S. in Medical Imaging Sciences program are advised that NJCU has a seven-year statute of limitation for course acceptance.

First Year		
Semester 1		**Credits**
BIOL 130	Principles Biology I	4
MATH 175	Enhanced Precalculus	4
	Credits	**8**
Semester 2		
BIOL 131	Principles Biology II	4
	Credits	**4**
Second Year		
Semester 1		
BIOL 230	Cell Biology	4
BIOL 236	Anatomy & Physiology I	4
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
	Credits	**13**
Semester 2		
BIOL 303	Microbiology	4
BIOL 237	Anatomy & Physiology II	4
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
	Credits	**13**
Third Year		
Semester 1		
BIOL 404	Immunology	3
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
INTD 180	Computer Tools For Science and Mathematics	3
	Credits	**10**
Semester 2		
BIOL 304	Genetics	4
CHEM 307	Biochemistry I	4
MATH 140	Statistics I	3
	Credits	**11**
	Total Credits	**59**

Student Learning Outcomes

Upon completion of the Biology Medical Laboratory Science program, students will be able to:

1. Demonstrate knowledge of the factual and theoretical basis of biology including mechanisms on the molecular, cellular, organismal, and systems levels.
2. Demonstrate understanding of scientific inquiry and explain how scientific knowledge is discovered and validated.
3. Apply quantitative knowledge and reasoning to describe or explain phenomena in the natural world.
4. Demonstrate knowledge of basic principles of chemistry and their application to understanding living systems.
5. Demonstrate preparedness to enter the Professional work force.

Biology, Minor

The minor in Biology provides students with a basic understanding of general biology to supplement a student's major in another discipline. Through consultation with a professional advisor, students may select elective courses that focus on cell and molecular biology, biomedical sciences, organismal biology, or environmental studies. The Minor curriculum also includes a basic background in Chemistry. The Minor in Biology prepares students for careers in academic and industrial research; teaching, through the alternate pathway to certification; and for various careers in the publishing, pharmaceutical, biomedical and biotechnology industries.

Code	Title	Credits
Required Biology Courses:		**8**
BIOL 130	Principles Biology I	4
BIOL 131	Principles Biology II	4
Elective Biology Courses:		**16**
BIOL 217	Life In The Sea	3
BIOL 231	Comparative Anatomy	4
BIOL 232	Invertebrate Zoology	4
BIOL 233	Principles of Botany	4
BIOL 236	Anatomy & Physiology I	4
BIOL 237	Anatomy & Physiology II	4
BIOL 252	Evolution: A Biological and Geological Approach	3
BIOL 301	General Physiology	4
BIOL 302	Plant Physiology	4
BIOL 303	Microbiology	4
BIOL 304	Genetics	4
BIOL 305	Histology	4
BIOL 308	Plant Taxonomy	4
BIOL 311	Pathophysiology	3
BIOL 312	Endocrinology	3
BIOL 332	Field Ecology	4
BIOL 335	Essential Concepts in Neuroscience	3
BIOL 350	Biology Research	2
BIOL 401	Developmental Biology	4
BIOL 402	Ecology	4
BIOL 403	Radiation Biology	4
BIOL 404	Immunology	3
BIOL 406	Molecular Genetics	4
BIOL 407	Advanced Cell Biology	4
BIOL 418	Scanning Electron Microscopy	4
BIOL 440	Biology Seminar	1
BIOL 450	Biology Research	3
Required Chemistry Courses:		**10**
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
Total Credits:		**34**

1. A minimum grade of "C" is required in each Biology and Chemistry course in order to receive the minor in Biology. Students must achieve an average of "C" (2.0) or better in Principles of Biology I & II before enrolling in higher-level Biology courses.

2. Biology electives should be selected from courses at the 200-level or higher. Students must successfully complete both Anatomy & Physiology

I and II to earn Biology elective credits. Students may apply up to 6 credits of Biology Research or Coop Education toward the Minor in Biology requirements.

Student Learning Outcomes

Upon completion of the Biology, Minor program, students will be able to:

1. Demonstrate knowledge of the factual and theoretical basis of biology including mechanisms on the molecular, cellular, organismal, and systems levels.
2. Demonstrate understanding of scientific inquiry and explain how scientific knowledge is discovered and validated.
3. Apply quantitative knowledge and reasoning to describe or explain phenomena in the natural world.
4. Demonstrate knowledge of basic principles of chemistry and their application to understanding living systems.
5. Communicate scientific information in written and/or oral formats.

Chemistry and Biochemistry

Science Building, Room 550
201-200-3069

The Chemistry and Biochemistry Department offers multiple degree programs providing students with the skills and knowledge to pursue employment opportunities in both government and private industries or to pursue post-graduate degrees in graduate or professional schools such as medical or dental school. Furthermore, the Chemistry and Biochemistry Department faculty have a broad range of research interests including analytical chemistry, biochemistry, medicinal chemistry, organic synthesis and methodology, material science, computational chemistry and environmental and forensic science. The available instrumentation in the department supporting teaching and research is extensive and includes a LC-MS, FTIR, AAS, IC, HPLC, GC-MS, 3D printer, SEM, IR microscope, NanoDrop OneC spectrophotometer, GE Healthcare ÄTKA pure 25L fast protein liquid chromatography (FPLC) system, Evos Floid inverted fluorescence microscope with CCD camera and capillary electrophoresis. Computational Resources including a GPU-based molecular dynamics cluster. Students have multiple opportunities to participate in original research and share their research accomplishments both locally and at national meetings.

The Chemistry and Biochemistry Department is an active participant of the American Chemical Society and the American Society for Biochemistry and Molecular Biology (ASBMB). In addition, the Department has an active student-run Chemistry Club and ASBMB student Chapter.

Yufeng Wei (ywei@njcu.edu)
Associate Professor of Chemistry and department Chair
Peking University, B.Sc.; Columbia University, Ph.D.

Hanae Haouari (hhaouari@njcu.edu)
Associate Professor of Chemistry
Mohamed V University, B.S.; City University of New York, M.A., Ph.D.

Bumjung Kim (bkim1@njcu.edu)
Assistant Professor of Chemistry
Hanyang University, B.S.; Columbia University, Ph.D.

Kenneth S. Yamaguchi (kyamaguchi@njcu.edu)
Professor of Chemistry
California State University, B.S., M.S.; University of California, Ph.D.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Biochemistry, B.S. (p. 85)
- Chemistry, B.A. (p. 86)
- Chemistry, B.S.
- Chemistry, Minor (p. 89)

Chemistry (CHEM)

CHEM 1XX Chemistry Transfer Credit (0 Credits)

CHEM 2XX Chemistry Transfer Credit (0 Credits)

CHEM 100 Preparation for General Chemistry (3 Credits)
This course or passing a "pre-test" is required before taking Chemistry 105. No laboratory work is done. Measurement, exponential notation, problem solving, graphing and basic chemistry concepts are discussed. Credits are not included as part of major or minor.
Pre-Requisite(s): or Co-Requisite(s): MATH 112 Intermediate Algebra
Co-Requisite(s): MATH 112 Intermediate Algebra

CHEM 105 General Chemistry I Lecture (3 Credits)
This course provides a qualitative and quantitative description of atomic and molecular structure, gas laws, stoichiometry, thermodynamics, and solution chemistry. This course meets the requirements for students majoring in the biological and physical sciences.
Pre-requisite: CHEM 100 Preparation for General Chemistry I
Co-requisite: CHEM 1105 General Chemistry I, Recitation/Laboratory

CHEM 106 General Chemistry II Lecture (3 Credits)
This course is a continuation of Chemistry 105. Topics discussed include equilibrium, acids and bases, precipitation reactions, kinetics and electrochemistry.
Pre-Requisite(s): CHEM 105 General Chemistry I, Lecture
Co-Requisite(s): CHEM 1106 General Chemistry II, Recitation/Laboratory.

CHEM 130 The Chemistry of Everyday Things (3 Credits)
This course is an elective for non-science majors that will present chemical phenomena using basic concepts of chemistry. Students will learn how matter forms and changes in qualitative fashion, Course will focus on the comprehension of concepts and the application of the concepts of everyday things,

CHEM 131 Chemistry in the Kitchen: Learning Chemistry through Food and Cooking (3 Credits)
Many cooking shows on television are successful even though the chefs don't explain the why of their actions cooking, they are just now getting around to learning the chemistry behind the cooking. This course is about the need to know facts of chemistry that are essential to understanding food and cooking.

CHEM 140 Making the Case: Forensic Science (3 Credits)
Course is intended to provide students with practical experience in forensic science including collection techniques and the characterization of physical evidence paramount to the prosecution process. The qualitative and quantitative evaluation of physical evidence will be examined by classical and instrumental methods.

CHEM 205 Analytical Chemistry Lec (3 Credits)
Precipitation reactions, acid-base phenomenon, spectral analysis, complex formation, and electrochemistry are discussed. The use of statistics in analytical chemistry are also covered.
Pre-Requisite(s): CHEM 106, CHEM 1106
Co-Requisite(s): CHEM 2205

CHEM 207 Organic Chemistry I (3 Credits)
This course will introduce the theory and concepts of modern organic chemistry. Topics include structure and bonding and acid/base theory applied to organic compounds, stereochemistry, conformational analysis, and an introduction to organic functional groups, organic synthesis and spectroscopy.
Pre-Requisite(s): CHEM 105 and CHEM 1105 and Co-requisite CHEM 2207
Co-requisite: CHEM 2207

CHEM 208 Organic Chemistry II (3 Credits)
A continuation of Organic Chemistry I lecture, this course will advance student understanding of the theory and concepts of organic chemistry via the study of an array of chemical reactions and mechanisms including aromaticity, carbonyl chemistry, oxidation and reduction reactions, and the study of important functional groups.
Pre-Requisite(s): CHEM 207 Organic Chemistry I and CHEM 2207 Organic Chemistry I Lab

CHEM 220 Environmental Chemistry (4 Credits)
Environmental Chemistry is designed as a one-semester chemistry course including a lecture and laboratory component. This course is intended to provide the student with an understanding of the key environmental issues our world faces, by exploring the chemistry of our air, water and soil and the human interaction with these environmental processes. Contemporary environmental problems such as: ozone formation/ destruction, photochemical smog, acid rain, the greenhouse effect, metal and nutrient fluxes, erosion and deforestation, sewage treatment, and conservation will be addressed by using chemical concepts (i.e.; equilibrium, oxidation-reduction reactions, kinetics, solubility, acid-base chemistry, and thermodynamics). Laboratory work will focus on monitoring and environmental quality of air, water and soil samples.
Pre-Requisite(s): CHEM 106 and CHEM 1106

CHEM 225 Forensic Science Laboratory (2 Credits)
This course is intended to provide students with practical experience in forensic science. Collection techniques and the characterization of physical evidence is paramount to the prosecution process. The qualitative and quantitative evaluation of physical evidence will be examined by classical and instrumental methods.
Pre-Requisite(s): CHEM 111 and Co-Requisite CHEM 112
Co-Requisite: CHEM 112

CHEM 230 Chemistry Through Society: Better Living Through Chemistry (3 Credits)
This course emphasizes the relevance of chemistry in every day life, as it relates to solving major problems in society. Students will learn to examine chemical phenomena important in real-world needs innovations, such as drug, design/approval, biotechnology, energy, global climate change, genetically modified food, and other societal concerns.

CHEM 305 Physical Chemistry I (3 Credits)
Elementary aspects of thermodynamics with applications to gases, liquids, crystals, chemical equilibria, solutions, and electrochemistry are taught in this course.
Pre-Requisite(s): MATH 193

CHEM 306 Physical Chemistry II, Lecture (3 Credits)
This course provides emphasis on microscopic properties, kinetic theory of gases, statistical mechanics, elementary quantum chemistry and spectroscopic methods of molecular structure determination.
Pre-requisite: MATH 193

CHEM 307 Biochemistry I (4 Credits)
This course presents the structure and properties of proteins, fats, carbohydrates, nucleic acids, vitamins, and enzymes. Laboratory work includes methods for the identification of biological compounds.
Pre-Requisite: CHEM 207

CHEM 308 Biochemistry II (4 Credits)
Pre-requisite: CHEM 307 Biochemistry I

CHEM 310 Introduction to Computational Chemistry (3 Credits)
This course provides the essential theoretical background of computational chemistry as well as the practical skills to perform computations to solve chemical problems. The concepts of chemical bonding, reactivity, molecular properties, and spectroscopy are explained from the electronic perspective. Students are exposed to modern computational chemistry software.
Pre-Requisite(s): CHEM 305 Physical Chemistry I

CHEM 316 Instrumental Analysis, Lecture (3 Credits)
The theories of ultraviolet, visible and infrared spectroscopy, gas chromatography, mass spectrometry, and NMR analyses are presented in this course.
Pre-Requisite(s): CHEM 205 and CHEM 2205
Co-requisite: CHEM 3316.

CHEM 401 Medicinal Chemistry (3 Credits)
This course will examine the properties and relationship of drug molecules, specific drug classes and structure, phsico-chemical properties, mechanism of drug interactions, synthesis of classes of drugs, the characteristics of drug receptors, drug metabolism, and pharmacokinetics.
Pre-Requisite(s): CHEM 208: Organic Chemistry II

CHEM 405 Seminar (1 Credit)
A study of the chemical literature for the purpose of preparing a detailed presentation to the chemistry faculty and students is presented in this course.
Pre-Requisite(s): CHEM 208 Organic Chemistry II.

CHEM 406 Introduction to Polymer Chemistry (4 Credits)
This course is a study of the organic and physical chemistry of high polymers, including methods of preparation, chemical and physical properties, and structure property relationships.
Pre-Requisite(s): CHEM 208 and CHEM 305

CHEM 412 Inorganic Chemistry Laboratory (2 Credits)
This course provides a foundation in experimental inorganic and organometallic chemistry. Lab techniques such as vacuum and inert atmosphere, sublimation, crystallization, and evaporative procedures along with advanced NMR ('H, 13C, and 31P), visible and IR spectroscopic, magnetic susceptibility and electrochemical methods will be used to investigate these molecular systems.
Pre-Requisite(s): CHEM 316

CHEM 414 Advanced Organic Chemistry (3 Credits)
This advanced course in organic chemistry covers topics including retrosynthetic analysis, modern synthetic methods, organometallic chemistry and stereoselective synthesis. Techniques will be illustrated by the study of the total synthesis of natural products and phamaceutically important molecules.
Pre-Requisite(s): CHEM 208 Organic Chemistry II

CHEM 416 Inorganic Chemistry (3 Credits)
Selected topics from inorganic chemistry at an advanced level are presented in this course. The stereochemistry, kinetics, and mechanisms of inorganic reactions are emphasized.
Pre-Requisite(s): CHEM 208

CHEM 420 Food Chemistry (4 Credits)
Food Chemistry is designed as a one-semester upper-level chemistry course which includes a lecture and laboratory component. This course is intended to provide the student with an understanding of the key mechanistic and chemical transformations of foods. All phenomena observed in preparing food will be examined in terms of classical chemical terms and concepts. This course will explore how water, lipids, proteins, carbohydrates, vitamins and food additives impact the texture, nutritional properties and flavor of foods. The laboratory work will provide students with an opportunity to investigate these individual components and chemical changes that occur in foods.
Pre-Requisite(s): CHEM 205 and CHEM 208

CHEM 425 Nanomaterial and Microelectronic Fabrication (3 Credits)
The design and construction of nanomaterials and the microelectronic fabrication technologies are critical to the success of discovering new materials with novel properties. The fabrication and characterization of nanomaterials and the processing of these materials into nano and microdevices will be explored.
Pre-Requisite(s): CHEM 205 and CHEM 2205

CHEM 430 Spectroscopic Identification of Organic Compounds (3 Credits)
This course provides students with a comprehensive understanding of molecular structural interpretation integrated with improved knowledge and synthetic skills needed in the chemical sciences. Topics covered in this course will use a variety of modern analytical instrumental techniques combined with comprehensive synthetic and analytical projects.
Pre-Requisite(s): CHEM 208

CHEM 431 Industrial Aspects of Chemistry (3 Credits)
This course is a study of the process for making industrial chemicals and the influences of energy, environment and safety regulations on industry. Rudiments of chemical engineering and business and economic practices which govern the management of chemical and pharmaceutical industries are discussed.
Pre-Requisite(s): CHEM 208 Organic Chemistry II.

CHEM 435 Materials Chemistry (3 Credits)
The Materials Chemistry course will provide an understanding and appreciation of the structure and properties of new materials at the nanodimensional level. Important concepts in material science and nanotechnology such as: molecular templating, chemical patterning strategies, molecular electronic components, and new synthetic techniques and analytical tools will also be discussed.
Pre-Requisite(s): CHEM 205 and CHEM 2205.

CHEM 491 Chemistry Research (1 Credit)
Chemistry majors are encouraged to participate in chemical research under the guidance and supervision of a faculty mentor. This course does not replace other chemistry requirements and a final written paper is required. Requirement: The permission of the instructor and the approval of the chairperson and sophomore, junior, or senior status.

CHEM 492 Chemical Research (2 Credits)
Chemistry majors are encouraged to participate in chemical research under the guidance and supervision of a faculty mentor. This course does not replace other chemistry requirements and a final written paper is required. Requirement: The permission of the instructor and the approval of the chairperson and sophomore, junior, or senior status.

CHEM 493 Chemical Research (3 Credits)
Chemistry majors are encouraged to participate in chemical research under the guidance and supervision of a faculty mentor. This course does not replace other chemistry requirements and a final written paper is required. Requirement: The permission of the instructor and the approval of the chairperson and sophomore, junior, or senior status.

CHEM 1105 General Chemistry I Recitation/Laboratory (2 Credits)
Taken concurrently with Chemistry 105, this course provides experiences which allow the student to discover the empirical relationships which support the theoretical aspects of General Chemistry I.
Co-Requisite(s): CHEM 105 General Chemistry I, Lecture

CHEM 1106 General Chemistry II Recitation/Laboratory (2 Credits)
A continuation of Chemistry 1105, the course includes titrations, spectrophotometric work, the use of pH meters, and qualitative analysis. It is taken concurrently with Chemistry 106.
Co-Requisite(s): CHEM 106 General Chemistry II, Lecture

CHEM 1492 Indepedent Study Chemistry (2 Credits)
Chemistry majors are encouraged to undertake independent laboratory-oriented projects. These courses do not replace other chemistry requirements.

CHEM 2205 Analytical Chemistry Laboratory (2 Credits)
This course taken with Chemistry 205, includes gravimetric, volumetric, spectrophotometric, and potentiometric techniques.
Co-Requisite(s): CHEM 205 Analytical Chemistry, Lecture

CHEM 2207 Organic Chemistry I Laboratory (1 Credit)
By hands on participation, students in this course will be introduced to the theory and techniques of the modern organic chemistry laboratory such as extraction, thin layer chromatography, purification, and gas-liquid chromatography. The student will apply these techniques to the synthesis of organic molecules from several important functional group classes.
Pre-Requisite(s): CHEM 106 and1106

CHEM 2208 Organic Chemistry II Laboratory (1 Credit)
A continuation of Organic Chemistry I Lab, students in this course will advance their study of the techniques and theory of modern organic chemistry via the study of an array of chemical reactions used to prepare important functional group classes such as aromatic compounds ketones, alcohols and hydrazones.
Pre-Requisite(s): CHEM 207 and CHEM 2207

CHEM 3305 Physical Chemistry I Recitation/Laboratory (2 Credits)
This course looks at experimental determination of molecular and equilibrium properties of pure substances and solutions. The operation and calibration of instruments are stressed. Recitation-problem solving is stressed.
Co-Requisite(s): CHEM 305 Physical Chemistry I, Lecture

CHEM 3306 Physical Chemistry II Recitation/Laboratory (2 Credits)
A continuation of Chemistry 3305, the course emphasizes electrochemistry, calorimetry, and the kinetic properties of reactive systems. Recitation-problem solving is stressed.
Co-Requisite(s): CHEM 306 Physical Chemistry II, Lecture

CHEM 3316 Instrumental Methods of Analysis, Laboratory (2 Credits)
This course gives students practical experience in the use of modern instruments including ultraviolet, infrared, atomic absorption, nuclear magnetic resonance and mass spectroscopy, gas chromatography, and polarography.
Co-requisite: CHEM 316 Instrumental Analysis, Lecture

Physics (PHYS)

PHYS 1XX Physics Transfer Credit (0 Credits)

PHYS 2XX Physics Transfer Credit (0 Credits)

PHYS 100 Preparation for Physics (3 Credits)
Measurement, trigonometry, vectors, problem solving, graphing and basic physical concepts are discussed. This lecture course is required before taking PHYS 130 or PHYS 140. Credits are not included as part of major or minor.
Pre-Requisite: or Co-Requisite: MATH 175
Co-Requisite: MATH 175

PHYS 101 Basic Concepts of Physics (3 Credits)
This is a one-semester course, which gives an overview of the basic principles of physics including mechanics, heat, electricity and magnetism, light and sound, and modern physics.

PHYS 140 Principles of Physics I - Lecture (3 Credits)
This course develops the concepts and laws of mechanics, especially conservation laws, and includes scalar and vector quantities: rectilinear and circular motion; equilibrium; work energy and momentum; elements of fluid statics and dynamics; heat and thermodynamics. Instruction includes 4 hours of lecture, demonstration/discussion and problem solving per week with emphasis on applications.
Prerequisite: PHYS 100 and Co-requisite: MATH 192 Calculus and Analytic Geometry I AND PHYS 1140 Principles of Physics I - Laboratory and recitation
Co-requisite: MATH 192 Calculus and Analytic Geometry I AND PHYS 1140 Principles of Physics I - Laboratory and recitation

PHYS 141 Principles of Physics II - Lecture (3 Credits)
This course is a continuation of Physics 140 and develops a conceptual, quantitative and applied understanding of electric field and electrostatics; DC circuits; magnetic fields and properties of matter; AC circuits electromagnetic waves; geometric and wave optics. Instruction includes 4 hours lecture, demonstration/discussion and problem solving per week with emphasis on applications.
Pre-requisite: PHYS 140 Physics for Engineering I Lecture, Co-requsite PHYS 1141 Principles of Physics II - Laboratory and Recitation

PHYS 1140 Principles of Physics I - Laboratory and recitation (1 Credit)
Correlated student laboratory experiments for most areas cited in PHYS 140 are performed to verify or discover the principles of physics. Instruction includes structured and open-ended laboratory experiments with recitation.
Co-Requisite(s): PHYS 140 Principles of Physics I - Lecture

PHYS 1141 Principles of Physics II - Laboratory and Recitation (1 Credit)
Correlated student laboratory experiments for most areas cited in PHYS 141 are performed to verify or discover the principles of physics. Instruction includes structured and open-ended laboratory experiments with recitation.
Co-Requisite(s): PHYS 141 Principles of Physics II - Lecture

Biochemistry, B.S.

The interdisciplinary Biochemistry program will enable and prepare students to pursue careers in pharmaceuticals, biotechnology, healthcare, and food and cosmetics, and/or to continue their education and research in life sciences and medicine. Students in the Biochemistry program will learn theoretical fundamentals and hands-on laboratory skills, and will be exposed to the in-depth study of complex chemical changes that occur at the molecular and cellular levels, which is essential to the understanding of life processes. The major focus will be the chemical basis and molecular logic of life, including energy in biological systems, macromolecular structures and functions, information storage and flow, evolution, and homeostasis. In addition, students in the program will engage in professional and ethical conduct and meaningful research to achieve academic excellence.

Total Credit Hours: 81

Code	Title	Credits
Pre-requisite courses		**10**
MATH 175	Enhanced Precalculus	4
CHEM 100	Preparation for General Chemistry	3
PHYS 100	Preparation for Physics	3

Code	Title	Credits
Mathematics and Physics		**19**
MATH 140	Statistics I	3
MATH 192	Calculus and Analytic Geometry I	4
MATH 193	Calculus and Analytic Geometry II	4
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1

Code	Title	Credits
Chemistry and Biology		**55**
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
CHEM 205	Analytical Chemistry Lec	3
or CHEM 316	Instrumental Analysis, Lecture	
CHEM 2205	Analytical Chemistry Laboratory	2
or CHEM 3316	Instrumental Methods of Analysis, Laboratory	
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
CHEM 208	Organic Chemistry II	3
CHEM 2208	Organic Chemistry II Laboratory	1
CHEM 305	Physical Chemistry I	3
CHEM 307	Biochemistry I	4
CHEM 308	Biochemistry II	4
CHEM 405	Seminar	1
BIOL 130	Principles Biology I	4
BIOL 131	Principles Biology II	4
BIOL 230	Cell Biology	4
BIOL 303	Microbiology	4
BIOL 304	Genetics	4

Code	Title	Credits
Required elective courses: select from the following courses (total of 7 credits)		**7**
CHEM 220	Environmental Chemistry	4
CHEM 316	Instrumental Analysis, Lecture	3
CHEM 3316	Instrumental Methods of Analysis, Laboratory	2
CHEM 401	Medicinal Chemistry	3
CHEM 420	Food Chemistry	4
CHEM 492	Chemical Research [1]	2-3
or CHEM 493	Chemical Research	
or BIOL 350	Biology Research	
or BIOL 450	Biology Research	
BIOL 252	Evolution: A Biological and Geological Approach	3
BIOL 301	General Physiology	4
BIOL 404	Immunology	3
BIOL 406	Molecular Genetics	4

[1] Only one research course (CHEM 492/493, BIOL 350/450) may be counted toward major required elective.

Freshman		
Semester 1		**Credits**
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
MATH 192	Calculus and Analytic Geometry I	4
	Credits	**9**
Semester 2		
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
MATH 193	Calculus and Analytic Geometry II	4
	Credits	**8**
Sophomore		
Semester 1		
CHEM 208	Organic Chemistry II	3
CHEM 2208	Organic Chemistry II Laboratory	1
BIOL 130	Principles Biology I	4
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
	Credits	**12**
Semester 2		
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
BIOL 131	Principles Biology II	4
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1
	Credits	**13**
Junior		
Semester 1		
CHEM 205	Analytical Chemistry Lec	3
CHEM 2205	Analytical Chemistry Laboratory	2
BIOL 230	Cell Biology	4
	Credits	**9**
Semester 2		
BIOL 303	Microbiology	4
BIOL 304	Genetics	4
MATH 140	Statistics I	3
	Credits	**11**
Senior		
Semester 1		
CHEM 305	Physical Chemistry I	3
CHEM 307	Biochemistry I	4
CHEM 405 or BIOL 440	Seminar or Biology Seminar	1
Required Elective Course		3
	Credits	**11**
Semester 2		
CHEM 308	Biochemistry II (Biochemistry II)	4
Required Elective Course		4
	Credits	**8**
	Total Credits	**81**

The B.S. in Biochemistry program will focus on the development of durable, translatable skills and strong fundamental knowledge. The program enables students to develop life-long learning capability with a vigorous grounding in its core concepts nurtured through a continual, progressive emphasis on critical reasoning skills, experiential learning, and the ability to communicate information and concepts in a clear, accurate, and organized form using both the written and spoken word.

The B.S. in Biochemistry consists of foundation courses in chemistry, biology, physics, and mathematics with core courses in biochemistry focusing on the molecular and cellular understanding of biological processes in terms of energy, structure and function, information storage and processing, in the context of the pervasive role of evolution and homeostasis.

Chemistry, B.A.*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The Bachelor of Arts degree program in chemistry provides a background in chemistry. This program will prepare one for a career in chemical and related industries, forensic and environmental science, and secondary science education. This program is also appropriate for medical, dental, optometric, osteopathic, law, and pharmacy schools.

There are no requirements for admission to this degree track, but students are encouraged to begin taking MATH 192 and MATH 193 Calculus and Analytical Geometry I and II (Prerequisite MATH 175 Enhanced Precalculus), PHYS 140 and PHYS 141 Principles of Physics I and II (Prerequisite PHYS 100, Preparation for Physics), CHEM 105 and

CHEM 106 General Chemistry I & II (Prerequisite CHEM 100 Preparation for General Chemistry) as early as possible in their academic careers.

Total Credit Hours: 61-62

Code	Title	Credits
Required		**39**
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
CHEM 208	Organic Chemistry II	3
CHEM 2208	Organic Chemistry II Laboratory	1
CHEM 205	Analytical Chemistry Lec [1]	3
CHEM 2205	Analytical Chemistry Laboratory [1]	2
CHEM 307	Biochemistry I	4
CHEM 316	Instrumental Analysis, Lecture [2]	3
CHEM 3316	Instrumental Methods of Analysis, Laboratory [2]	2
CHEM 305	Physical Chemistry I [1]	3
CHEM 405	Seminar [1]	1
CHEM 416	Inorganic Chemistry [2]	3
Elective		**3-4**
Select a minimum of three credits from the following courses:		3
CHEM 220	Environmental Chemistry	4
CHEM 306	Physical Chemistry II, Lecture [2]	3
CHEM 308	Biochemistry II	4
CHEM 3306	Physical Chemistry II Recitation/Laboratory [2]	2
CHEM 430	Spectroscopic Identification of Organic Compounds	3
CHEM 401	Medicinal Chemistry	3
CHEM 412	Inorganic Chemistry Laboratory	2
CHEM 414	Advanced Organic Chemistry	3
CHEM 420	Food Chemistry	4
CHEM 425	Nanomaterial and Microelectronic Fabrication	3
CHEM 435	Materials Chemistry	3
Required Supporting Courses in Math, Physics and Computer Science:		**19**
MATH 192	Calculus and Analytic Geometry I	4
MATH 193	Calculus and Analytic Geometry II	4
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1
INTD 180	Computer Tools For Science and Mathematics	3

[1] Offered in fall only.

[2] Offered in spring only.

Freshman		
Semester 1		**Credits**
MATH 192	Calculus and Analytic Geometry I	4
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
	Credits	**9**
Semester 2		
MATH 193	Calculus and Analytic Geometry II	4
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
	Credits	**9**
Sophomore		
Semester 1		
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
INTD 180	Computer Tools For Science and Mathematics	3
PHYS 140	Principles of Physics I - Lecture	3
PHYS 1140	Principles of Physics I - Laboratory and recitation	1
	Credits	**11**
Semester 2		
CHEM 208	Organic Chemistry II	3
CHEM 2208	Organic Chemistry II Laboratory	1
PHYS 141	Principles of Physics II - Lecture	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation	1
	Credits	**8**
Junior		
Semester 1		
CHEM 205	Analytical Chemistry Lec	3
CHEM 2205	Analytical Chemistry Laboratory	2
	Credits	**5**
Semester 2		
CHEM 316	Instrumental Analysis, Lecture	3
CHEM 3316	Instrumental Methods of Analysis, Laboratory	2
CHEM 307	Biochemistry I	4
	Credits	**9**
Senior		
Semester 1		
CHEM 305	Physical Chemistry I	3
CHEM 405	Seminar	1
Chemistry Elective 3XX or 4XX		3-4
	Credits	**7-8**
Semester 2		
CHEM 416	Inorganic Chemistry	3
	Credits	**3**
	Total Credits	**61-62**

*To test out of CHEM 100, students must contact the Chemistry Department. Students who take CHEM 100 are recommended CHEM 106/ CHEM 1106 in the first summer session.

Student Learning Outcomes:

Upon completion of the Chemistry program, students will be able to:

1. Identify the fundamental concepts in: general, organic, inorganic, analytical, physical and biological chemistry.
2. Quantitatively and qualitatively describe molecular behavior.
3. Design and conduct laboratory experiments, perform calculations, and interpret results to draw reasonable conclusions.
4. Demonstrate discipline-specific writing skills.
5. Use modern library searching and retrieval methods to obtain information about a topic, chemical, chemical technique.

Chemistry, B.S.

The Bachelor of Science degree program in chemistry provides a background in chemical sciences. This program will prepare one for a career in chemical and related industries, forensic and environmental science, food and cosmetics, and secondary science education. This program is also appropriate for medical, dental, optometric, osteopathic, law, and pharmacy schools.

There are no requirements for admission to this degree track, but students are encouraged to begin taking MATH 192 and MATH 193 Calculus and Analytical Geometry I and II (Prerequisite MATH 175 Enhanced Precalculus), PHYS 140 and PHYS 141 Principles of Physics I and II (Prerequisite PHYS 100, Preparation for Physics), CHEM 105 and CHEM 106 General Chemistry I & II (Prerequisite CHEM 100 Preparation for General Chemistry) as early as possible in their academic careers.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/ graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

Total Credit Hours: 70

Code	Title	Credits
Required Courses:		
CHEM 105	General Chemistry I Lecture	3
CHEM 1105	General Chemistry I Recitation/Laboratory	2
CHEM 106	General Chemistry II Lecture	3
CHEM 1106	General Chemistry II Recitation/Laboratory	2
CHEM 207	Organic Chemistry I	3
CHEM 2207	Organic Chemistry I Laboratory	1
CHEM 208	Organic Chemistry II	3
CHEM 2208	Organic Chemistry II Laboratory	1
CHEM 205	Analytical Chemistry Lec [1]	3
CHEM 2205	Analytical Chemistry Laboratory [1]	2
CHEM 316	Instrumental Analysis, Lecture [2]	3
CHEM 3316	Instrumental Methods of Analysis, Laboratory [2]	2
CHEM 305	Physical Chemistry I [1]	3
CHEM 306	Physical Chemistry II, Lecture	3
CHEM 3306	Physical Chemistry II Recitation/Laboratory [2]	2
CHEM 307	Biochemistry I	4
CHEM 405	Seminar [1]	1
CHEM 416	Inorganic Chemistry [2]	3
Select a minimum of two additional Chemistry elective courses or from the following list:		
CHEM 220	Environmental Chemistry	4
CHEM 308	Biochemistry II	4
CHEM 430	Spectroscopic Identification of Organic Compounds	3
CHEM 401	Medicinal Chemistry	3
CHEM 420	Food Chemistry	4
CHEM 412	Inorganic Chemistry Laboratory	2
CHEM 414	Advanced Organic Chemistry	3
CHEM 425	Nanomaterial and Microelectronic Fabrication	3
CHEM 435	Materials Chemistry	3
Required Math, Physics and Computer Science Courses		
MATH 192	Calculus and Analytic Geometry I	4
MATH 193	Calculus and Analytic Geometry II	4
PHYS 140	Principles of Physics I - Lecture (or PHYS 130 College Physics I Lecture)	3
PHYS 1140	Principles of Physics I - Laboratory and recitation (or PHYS 1130 College Physics I Recitation and Lab)	1
PHYS 141	Principles of Physics II - Lecture (or PHYS 131 College Physics Lecture)	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation (or PHYS 1131 College of Physics Recitation and Lab)	1
INTD 180	Computer Tools For Science and Mathematics	3

[1] Offered in fall semester only.

[2] Offered in spring semester only.

Freshman		
Semester 1		**Credits**
MATH 192	Calculus and Analytic Geometry I	4
CHEM 105 & CHEM 1105	General Chemistry I Lecture and General Chemistry I Recitation/ Laboratory	5
	Credits	**9**
Semester 2		
MATH 193	Calculus and Analytic Geometry II	4
CHEM 106 & CHEM 1106	General Chemistry II Lecture and General Chemistry II Recitation/ Laboratory	5
	Credits	**9**
Sophomore		
Semester 1		
CHEM 207 & CHEM 2207	Organic Chemistry I and Organic Chemistry I Laboratory	4

PHYS 140 & PHYS 1140	Principles of Physics I - Lecture and Principles of Physics I - Laboratory and recitation	4
	Credits	**8**
Semester 2		
CHEM 208 & CHEM 2208	Organic Chemistry II and Organic Chemistry II Laboratory	4
PHYS 141 & PHYS 1141	Principles of Physics II - Lecture and Principles of Physics II - Laboratory and Recitation	4
INTD 180	Computer Tools For Science and Mathematics	3
	Credits	**11**
Junior		
Semester 1		
CHEM 205 & CHEM 2205	Analytical Chemistry Lec and Analytical Chemistry Laboratory	5
CHEM 307	Biochemistry I	4
	Credits	**9**
Semester 2		
CHEM 316 & CHEM 3316	Instrumental Analysis, Lecture and Instrumental Methods of Analysis, Laboratory	4
Chemistry Elective 3XX or 4XX		4
	Credits	**8**
Senior		
Semester 1		
CHEM 305	Physical Chemistry I	3
CHEM 405	Seminar	1
Chemistry Elective 3XX or 4XX		4
	Credits	**8**
Semester 2		
CHEM 306 & CHEM 3306	Physical Chemistry II, Lecture and Physical Chemistry II Recitation/ Laboratory	5
CHEM 416	Inorganic Chemistry	3
	Credits	**8**
	Total Credits	**70**

Student Learning Outcomes:

Upon completion of the Chemistry program, students will be able to:

1. Identify the fundamental concepts in: general, organic, inorganic, analytical, physical and biological chemistry.
2. Quantitatively and qualitatively describe molecular behavior.
3. Design and conduct laboratory experiments, perform calculations, and interpret results to draw reasonable conclusions.
4. Demonstrate discipline-specific writing skills.
5. Use modern library searching and retrieval methods to obtain information about a topic, chemical, chemical technique.

Chemistry, Minor

A minor in Chemistry provides students an opportunity to obtain a strong, distributed background in the discipline. This minor is beneficial for students pursuing careers in medicine, health professions, biological or environmental sciences, business, law, education, or any career in requiring a basic understanding of the molecular sciences.

Chemistry Minor Requires 26 Credits

Code	Title	Credits
Required: 23 Credits		
CHEM 105 & CHEM 1105	General Chemistry I Lecture and General Chemistry I Recitation/ Laboratory	5
CHEM 106 & CHEM 1106	General Chemistry II Lecture and General Chemistry II Recitation/ Laboratory	5
CHEM 205 & CHEM 2205	Analytical Chemistry Lec and Analytical Chemistry Laboratory	5
or CHEM 316 & CHEM 3316	Instrumental Analysis, Lecture and Instrumental Methods of Analysis, Laboratory	
CHEM 207 & CHEM 2207	Organic Chemistry I and Organic Chemistry I Laboratory	4
CHEM 208 & CHEM 2208	Organic Chemistry II and Organic Chemistry II Laboratory	4
Elective: 3 Required Credits		
CHEM 220	Environmental Chemistry	4
CHEM 308	Biochemistry II	4
CHEM 401	Medicinal Chemistry	3
CHEM 406	Introduction to Polymer Chemistry	4
CHEM 414	Advanced Organic Chemistry	3
CHEM 420	Food Chemistry	4
CHEM 435	Materials Chemistry	3
Additional Supportive Courses		7
MATH 175	Enhanced Precalculus	4
INTD 180	Computer Tools For Science and Mathematics	3
Total Credits:		**33**

Computer Science

Karnoutsos Hall, Room 405
201-200-3291

The Computer Science Department (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/computer-science) offers the Bachelor of Science degree in Computer Science, the Computer Science minor program, and the Computer and Information Systems minor program. Students study and master state-of-the-art theories and applications that prepare them for careers in business, industry and education. The study of Computer Science provides each student with a competitive advantage as the knowledge gained is applicable in a wide range of environments.

The Computer Science curriculum is supported by four computer labs dedicated for use by students enrolled in Computer Science programs and courses that fulfill General Education Program requirements. The labs provide an environment where faculty support instructional activities and students can implement projects in required course work. Lab activities include hands-on implementation of special projects and assignments that provide real-world experience. This facilitates the

eventual transition to the professional environment or to advanced study in the discipline.

Morteza Aabollah
Professor of Computer Science
New Jersey Institute of Technology, B.S.E.E, M.S.E.E.; Fairleigh Dickinson University, Ed.D.

Moitrayee Chatterjee
Associate Professor of Computer Science
West Bengal University of Technology, B.S.; Symbiosis, Post Graduate Diploma in Business Administration, C.P.G.D.B.A.; Texas Tech University, M.S., Ph.D.

Thomas Jyh-Cheng Liu (tliu@njcu.edu)
Professor of Computer Science
Tatung Institute of Technology, B.S.; University of Illinois at Chicago, M.S., Ph.D.

Jean-Claude Ngatchou
Associate Professor of Computer Science
Yaonde University, M.S.; City College of New York, M.S.; City University of New York, Ph.D.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Computer Science, B.S. (p. 94)
- Computer Science, Minor (p. 95)
- Computer and Information Systems, Minor (p. 93)

Computer Science (CS)

CS 1XX Computer Science Transfer Credit (0 Credits)

CS 2XX Computer Science Transfer Credit (0 Credits)

CS 101 Computer Science I (3 Credits)
This course covers fundamental principles of programming with emphasis on the Object-Oriented programming paradigm. The focus is on using programming for problem solving. Topics covered on programming principles include data types, selection and iterative statements, arrays, structures, input/output statements, and functions. Object-oriented concepts include abstract data types, encapsulation, data hiding, inheritance, polymorphism, objects, and classes.

CS 102 Computer Science II (3 Credits)
This course is a continuation of CS 101 Fundamentals of Computer Science. Topics include program debugging and testing, multidimensional arrays, string processing; searching and sorting.
Pre-Requisite(s): CS 101 Fundamentals of Computer Science I

CS 107 Computers & Information Systems (3 Credits)
This is a general introduction to methods of processing information via modern computer systems. Covered topics include computer system components, primary and secondary storage, input/output devices, system and software development, end user application tools and the modern electronic data processing environment. Students are introduced to the Internet in this course.

CS 115 Microcomputer & Programming I (3 Credits)
This is an introduction to microcomputers and programming. Topics include planning, writing, and documenting programs, control structures, numeric and string variables, arrays, and subroutines.

CS 117 Introduction to Computer Programming and Computing (3 Credits)
This course will provide a gentle, yet intense introduction to programming using Python for highly motivated students with little or no prior experience in programming. It covers the basic techniques, including use of the Python IDE (Integrated Development Environment) and Python program coding. Topics treated include syntax, logic control, loop iteration, IO (Input/Output), classes, libraries and algorithms. Students learn the concepts and skills of programming by designing and implementing a series of computer programs that solve practical problems. The course is designed to prepare students to enter Computer Science program assumes some knowledge of Python upon entering; this course has been specially designed to make sure that concepts important to fundamentals of computer science are covered.

CS 120 Computers and Information Technology (3 Credits)
Course provides an intermediate coverage of PC technology and problem solving. Topics include computer hardware, operations, ethics, and operating systems and environments. Students will gain hands-on skills with applications such as desktop and file management; word processing; spreadsheets; presentation graphics; and Internet browsing, searching, and publishing.

CS 125 Game Programming (3 Credits)
This course provides hands-on experience in game programming and covers the basic techniques, including graphics, events, controls, animations, and intelligent behaviors. Students learn the concepts and skills of object-oriented programming by designing and implementing a sequence of computer games. No prior knowledge in programming and computer games is required.

CS 201 Assembly Language Programming (3 Credits)
This course is designed for those students who desire knowledge of computer assembly language programming with emphasis on the following topics: binary and hexadecimal number systems and including programming of machine instruction sets of addressing formats, instruction formats, arithmetic operations, logical operations and branching in RISC and CISC architectures.
Pre-requisite: CS 101 Computer Science I

CS 202 Discrete Structures I (3 Credits)
This course offers an introduction to mathematical concepts and theories used in the study of computer science. It covers topics in propositional and predicate calculus, relations and functions, proof techniques, induction and recursion, and set theory. This course provides the mathematical foundation for reasoning and problem solving in computer science.

CS 203 Discrete Structures II (3 Credits)
The course is a continuation of CS 202 and might include topics such as Boolean algebra, recursion relations, graph traversal algorithms and random number generators.
Pre-Requisite(s): CS 202 Discrete Structures I

CS 204 Computer Organization (3 Credits)
This course covers the foundational concepts of basic computer design by studying five major components of computer organization; processor and central processing, memory, control, input/output and software. The interaction between hardware and software is emphasized. Basic machine instruction sets of assembly language are included.
Pre-Requisite(s): CS 202

CS 206 Concepts of Operating Systems (3 Credits)
This course provides an overview of functionality and design issues in operating systems. This course covers process management; synchronization, deadlock, job scheduling, interrupts, interprocess communications, multitasking, memory management; memory hierarchy, virtual memory, cache, associative, file management, I/O device management, concurrency, protection and security. Case Studies of Unix/Linux, Windows XP and other operating systems are included.
Pre-Requisite(s): CS 102 Computer Science II.

CS 209 Data Structures (3 Credits)
This course covers basic data structures including stacks, queues, lists, linked trees, graphs, and hash tables; this will introduce the role of such data structures in sorting, merging, searching and hashing.
Pre-requisite: CS 102 Computer Science II

CS 210 Fundamentals of Telecommunication and Network (3 Credits)
This course covers data communications concepts, hardware, and networks as they apply to computer systems. Topics include but are not limited to signal concepts, modulation, synchronous and asynchronous transmission, RS 232, multiplexing signals, modems, communication software protocols and network configuration, open system interconnect, and LAN products.

CS 214 Business Applications on the Microcomputer I (3 Credits)
This is designed for students interested in using application software within a business environment. The focus of this course is Microsoft Office. Students learn to use Microsoft Word, Excel, PowerPoint and Access.

CS 215 Business Applications on the Microcomputer II (3 Credits)
This course is a continuation of CS 214. Advanced topics are covered.
Pre-requisite: CS 214 Business Applications on the Microcomputer I

CS 232 Introduction to Data Bases & Discrete Search (3 Credits)
This is a course designed as a non-technical introduction to database concepts and search methods for databases on the Internet. Topics covered may include relational databases, object-oriented databases, and sequential query languages.
Pre-requisite: CS 107 Computers & Information Systems

CS 240 System Design & Analysis (3 Credits)
This is a basic course in information systems, focusing on the System Development Life Cycle (SDLC). Topics include systems analysis, system environments and constraints, performance and processing, control measures, user requirements, hardware requirements, file design, project documentation and system testing.

CS 252 Programming for All in Python and Computer Science Principles (3 Credits)
This course provides a novice friendly hands on experience in computer programming. It covers the basic techniques, including use of the Python IDE (Integrated Development Environment) and Python program coding. Topics treated include syntax, logic control, loop iteration, IO (Input/Output), and algorithms. Students learn the concepts and skills of programming by designing and implementing a series of computer programs that solve practical problems. This course helps learners obtain the fundamental principles of Computer Science, vital in the age of ubiquitous internet and burgeoning AI. No prior knowledge in programming and computer skills is required.
Pre-Requisite(s): CS 120 or CS 125

CS 260 Introduction to Information Assurance (I): Network (3 Credits)
This course presents the fundamentals of cryptography and the principles of security issues in network system. The content of this course provides a practical survey of information assurance about network applications and standards. The emphasis is on applications that are widely used on the Internet and for corporate networks (Intranet).
Pre-Requisite(s): CS 206 or with consent of instructor.

CS 300 Computer Architecture (3 Credits)
Topics for discussion may include arithmetic operations (adders, accumulators, multipliers, dividers), organization and control of computer and microcomputer architecture, machine language and systems principles, microprogramming and microprocessors, hardware-software tradeoffs, parallel computers and distributed processing, array processors, computer networks, registers, interfacing components, bus structures, input/output techniques, and priority interrupts.
Pre-requisite: CS 204 Computer Organization

CS 302 Programming Languages (3 Credits)
Lecture topics typically include examination of the syntactic and semantic features of Pascal, C, Prolog, LISP, and other languages, focusing on data types, lists and trees, language features affecting static and dynamic storage, control structures and data flow, subroutine procedures, block structures and interrupts, run time considerations, string processing with language features such as those available in SNOBOL4 and Perl. (Topics covered may vary considerably from year to year.)
Pre-Requisite(s): CS 209 Data Structures

CS 306 Data Base Design (3 Credits)
This is an introduction to basic terminology associated with computer database technology. Topics covered may include classical data storage and retrieval methods, information needs within the business environment, access methods, data structures, database management systems, database design methodologies, and data normalization.
Pre-Requisite(s): CS 202 Discrete Structures I and 209 Data Structures

CS 309 Introduction to Computer & Network Security (3 Credits)
This course covers network security for the Cybersecurity Program. It will introduce network and internet terminology in information security,information assurance and related legal and ethical issues. The topics span various cybersecurity domains including TCP/IP general concepts, OS identification, scanning, web servers and wireless assets vulnerabilities, cryptography, and network protection.

CS 350 Software Engineering I (3 Credits)
This course embodies the general scientific principles commonly known as software engineering. It discusses the software life-cycle, using a large software system as model. Topics covered include requirements-specification analysis, requirements-type languages and specification checking using mathematical techniques. The design phase is analyzed by considering program design language techniques and fast prototyping. A study of the implementation phase, involving validation and verification methods is included. Maintenance and enhancement techniques are developed.
Pre-Requisite(s): CS 209 Data Structures

CS 351 Software Engineering II (3 Credits)
This course uses the concepts and techniques developed in CS 350 to allow students, working in teams, to develop nontrivial software systems. Completion of a larger project is required.
Pre-Requisite(s): CS 350 Software Engineering

CS 355 Visual Programming (3 Credits)
This course introduces the student to some object-oriented/event-driven language such as Visual BASIC, Visual C++, or Visual J++, focusing on the design of interactive Windows applications and graphical user interfaces (GUI).
Pre-Requisite(s): CS 209 Data Structures

CS 360 Computer Graphics (3 Credits)
This is an introduction to computer graphics hardware and software techniques and applications. Students develop and test graphics algorithms.
Pre-Requisite(s): CS 209 Data Structures

CS 365 Advanced Java Programming (3 Credits)
This course provides an in-depth study of Object Oriented Design (OOD) and advanced Java topics. It presents and applies a "Best Practices" approach to: exception handling, Java Database Connectivity (JDBC), multithreading and synchronization, networking, serialization and marshaling, Remote Method Invocation (RMI), Graphical User Interface (GUI) development using Swing, Enterprise JavaBeans, and server-side programming with servlets and JSP (Java Server pages).
Pre-requisite: CS 102

CS 401 Introduction to Algorithms (3 Credits)
This course teaches techniques for the design and analysis of efficient algorithms. Topics include: sorting; search trees, heaps, and hashing; divide-and-conquer; dynamic programming; amortized analysis; graph algorithms; shortest paths; network flow; computational geometry; number-theoretic algorithms; polynomial and matrix calculations; caching; and parallel computing.
Pre-Requisite(s): CS 202 Discrete Structures I and CS 209 Data Structures

CS 402 Compiler Design (3 Credits)
This course covers the lexical, syntactic, and semantic analysis phases of compilation. Other possible discussion topics include symbol table organization, intermediate code generation, and LL and LR parsing algorithms.
Pre-Requisite(s): CS 209 Data Structures

CS 404 Artificial Intelligence (3 Credits)
This is a survey of concepts and problems in artificial intelligence research. Topics include natural language processing, knowledge representation, and automatic deduction.
Pre-Requisite(s): CS 202 Discrete Structures I

CS 405 Theory of Computability (3 Credits)
This is a survey of theoretical models of computation-notably the Turing machine model, the Markov algorithm model and register machine model-as well as equivalence results relating those models. Considerations of efficiency (complexity theory) are also introduced with an emphasis upon the use of big-O notation to describe the time/space requirements of specific machines. Simulation software is used extensively, thereby enabling students to design and run their own abstract machines. This is an essential course for students interested in pursuing graduate study later.
Pre-Requisite(s): CS 202 Discrete Structures I

CS 406 Expert Systems (3 Credits)
Topics covered in the course include hands-on use of production based, rule-based, and frame-based expert system shells. The class discusses the current limitations of expert systems.
Pre-Requisite(s): CS 202 Discrete Structures I

CS 407 Introduction to Unix/Linux System Administration and Shell Programming (3 Credits)
This course enables students to master the fundamentals of Operating System Unix/Linux and the system administration techniques in shell programming. Topics include Linux/Unix Operating Systems, Basic Commands in Linux/Unix, File System, Security and File Permission, Borne Shell (BASH), Shell programming with Perl and Shell commands.
Prerequisite(s): CS 101

CS 408 Introduction to Cryptography (3 Credits)
Cryptography provides important tools for ensuring the privacy, authenticity, and integrity of the increasingly sensitive information involved in modern digital systems. Nowadays, core cryptographic tools, including encryption, message authentication codes, digital signature, key agreement protocols, etc., are used behind millions of daily online transactions. In this course, we will unveil some of the "magic" of cryptography in this course. Modern Cryptography uses mathematical language to precisely pin down elusive security goals, design primitives and protocols to achieve these goals, and validate the security of designed primitives and protocols using mathematical proofs based on clearly stated hardness assumptions. Therefore, to learn cryptography, it is essential to understand its mathematical underpinning. In this class, we will see the inner working of cryptography for several core cryptographic tools, from encryption, to message authentication codes, to hash functions, to digital signatures, etc.
Prerequisites: MATH 175

CS 409 Introduction to Data Science (3 Credits)
The course on Introduction to Data Science provides an overview of Data Science, covering a broad selection of key challenges in and methodologies for working with big data. Topics to be covered include data collection, integration, management, modeling, analysis, visualization, prediction, and informed decision making, as well as data security.

CS 410 Telecommunications & Networks (3 Credits)
This is a study of data communications and networks. Topics include signal concepts, modulation, synchronous and asynchronous transmissions, multiplexing and multiplexers, modems, controllers, error detection and correction, communication software, protocols and network configurations.
Pre-Requisite(s): CS 204 Computer Organization

CS 417 Object-Oriented Methodologies (3 Credits)
This course introduces students to object-oriented design and analysis contrasted with traditional approaches. The course focuses on the issues involved in the transition of object-oriented design.
Pre-Requisite(s): CS 209 Data Structures

CS 420 Cloud Security with Artificial Intelligence Approach (3 Credits)
This course focuses on instructing the knowledge of the cloud security, which is an important branch of cybersecurity, through a variety of perspectives in the field of Computer Science. This course emphasizes the role of the mobile cloud computing in applications as well as the interconnections between facilities within a networking environment using Artificial Intelligence (AI) approach. After having taken this course, students should be able to have a comprehensive understanding in cybersecurity, cloud security, and AI from basic concepts to advanced framework or models. A group of knowledge points covered by this course include privacy threats in mobile cloud and mobile apps, cyber incidents in cloud computing, security issues in Internet of Things (IoT), data protections in smart phones, and buffer overflow attacks in cloud systems, security aware hardware configurations, secure data storage, and privacy preserving mobile cloud systems. Students learn the concepts and skills of security and AI by designing and implementing a series of programs that solve practical problems.
Pre-requisite: CS 101 and CS 209

CS 423 Introduction to Deep Learning and Applications (3 Credits)
This course provides the rudimentary concepts of theoretical background on Deep Neural Networks and competence to create a DL model, train, validate and test the model so that they can be deployed to solve real world problems.Deep learning (DL) has become an emerging and powerful tool in the field of Artificial Intelligence (AI). The potential of DL has been widely utilized in academia and industries alike for object detection , game bots , natural language processing , speech recognition and business applications. To prepare the students to obtain the knowledge, skills, and abilities to develop DL based solutions for futuristic AI, this course focuses on train the students with the necessary mathematical background and programming expertise in DL models, data processing and model optimizing experiences. This course balances the theoretical background on DL as well as the essential technical skills to build innovative solutions.
Pre-Requisite(s): CS 209, MATH 140 and MATH 192.

CS 430 Internet Multimedia Programming (3 Credits)

CS 492 Independent Study in Computer Science (3 Credits)

CS 505 Microcomputers/Elementary Teacher's I (3 Credits)
This course introduces students to the general microcomputer configuration and the essentials of programming. Topics include microprocessors, I/O devices, special packages, and software.

CS 506 Microcomputer Progrmng for Elementary Teachers II (3 Credits)
This course serves as an intermediate course to enable elementary school teachers to use microcomputers in the classroom and to reinforce what students have learned in about the essentials of programming.

CS 510 Microcomputers/Secondary School (3 Credits)
This course introduces secondary education majors and high school teachers to microcomputers.

CS 511 Micro Computers Secondary Teacher's II (3 Credits)
This course serves as an intermediate course to enable high school teachers to use microcomputers in the classroom and to reinforce what the students have learned about the essentials of microcomputers.

CS 521 Using Internet In Education (3 Credits)

CS 523 Using Internet in Education:Introduction (1 Credit)

CS 524 Using Internet in Ed:Intrm (1 Credit)

CS 525 Using Internet In Education:Curriculum (1 Credit)

CS 547 Microcomputer Education I:IBM (3 Credits)

CS 599 Data Mining (3 Credits)

Computer and Information Systems, Minor*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The Computer and Information Systems Minor provides students with the skills necessary to become competent "end users" of computers and applications. Courses in this minor cover business applications, system design and analysis, telecommunications and more. Students in the widest range of majors and disciplines can benefit from the ability to apply the skills gained in this program in most professional environments as well as in personal computer use.

CIS Minor Requires 21 Credits

Code	Title	Credits
Required Courses: 18 Credits		
CS 107	Computers & Information Systems	3
or CS 115	Microcomputer & Programming I	
or CS 120	Computers and Information Technology	
CS 210	Fundamentals of Telecommunication and Network	3
or CS 410	Telecommunications & Networks	
CS 214	Business Applications on the Microcomputer I	3
CS 215	Business Applications on the Microcomputer II	3
or CS 252	Programming for All in Python and Computer Science Principles	
CS 232	Introduction to Data Bases & Discrete Search	3
or CS 306	Data Base Design	
CS 240	System Design & Analysis	3
or CS 350	Software Engineering I	
Restricted Electives: 3 Credits		
Select three credits from the following courses:		
ECON 203	Business Statistics	3
ACCT 251	Financial Accounting	3
ACCT 252	Management Accounting	3
ACCT 401	Accounting Information System	3
MGMT 413	Business Information Systems	3
ECON 220	Understanding Business/Economic Data	3

SECU 150	Introduction to Security	3
Total Credits		**21**

Computer Science, B.S.

The Computer Science major program consists of 52 credits in Computer Science and 6 credits in Mathematics and Physics. The requirement for admission to this degree track is a minimum grade of C in MATH 175 or its equivalent. To graduate with the B.S. in Computer Science, a student must maintain a 2.5 minimum average in all courses credited toward the major. For all major courses, including MATH 192 and MATH 193, grade has to be C or above in order to be credited for graduation.

Total Credit Hours: 52-53

Code	Title	Credits
Required		
CS 101	Computer Science I	3
CS 102	Computer Science II	3
CS 202	Discrete Structures I	3
CS 203	Discrete Structures II	3
CS 204	Computer Organization	3
CS 206	Concepts of Operating Systems	3
CS 209	Data Structures	3
CS 300	Computer Architecture	3
CS 306	Data Base Design	3
CS 350	Software Engineering I	3
CS 351	Software Engineering II	3
Collateral Requirements		
MATH 192	Calculus and Analytic Geometry I	4
(Choose one from the list below.)		
MATH 193	Calculus and Analytic Geometry II	4
MATH 140	Statistics I	3
Advanced Major Electives [1]		
Select 12 credts from among the following:		
CS 302	Programming Languages	3
CS 355	Visual Programming	3
CS 360	Computer Graphics	3
CS 365	Advanced Java Programming	3
CS 401	Introduction to Algorithms	3
CS 402	Compiler Design	3
CS 404	Artificial Intelligence	3
CS 405	Theory of Computability	3
CS 407	Introduction to Unix/Linux System Administration and Shell Programming	3
CS 408	Introduction to Cryptography	3
CS 409	Introduction to Data Science	3
CS 410	Telecommunications & Networks	3
CS 417	Object-Oriented Methodologies	3
CS 420	Cloud Security with Artificial Intelligence Approach	3
CS 430	Internet Multimedia Programming	3
CS 599	Data Mining	3
SPFD XXXX	Seminar in Cooperative Education	3

Freshman

Semester 1		**Credits**
CS 101	Computer Science I	3
	Credits	**3**
Semester 2		
MATH 192	Calculus and Analytic Geometry I	4
CS 102	Computer Science II	3
CS 202	Discrete Structures I	3
	Credits	**10**
Sophomore		
Semester 1		
CS 203	Discrete Structures II	3
CS 209	Data Structures	3
MATH 140 or MATH 193	Statistics I or Calculus and Analytic Geometry II	3
	Credits	**9**
Semester 2		
CS 204	Computer Organization	3
CS 306	Data Base Design	3
	Credits	**6**
Junior		
Semester 1		
CS 206	Concepts of Operating Systems	3
Computer Science Elective 3XX or 4XX		3
	Credits	**6**
Semester 2		
CS 300	Computer Architecture	3
	Credits	**3**
Senior		
Semester 1		
CS 350	Software Engineering I	3
Computer Science Elective 3XX or 4XX		3
Computer Science Elective 3XX or 4XX		3
	Credits	**9**
Semester 2		
CS 351	Software Engineering II	3
Computer Science Elective 3XX or 4XX		3
	Credits	**6**
	Total Credits	**52**

Student Learning Outcomes

Upon completion of the Computer Science BS program, students will be able to:

1. Analyze, design and develop a web-based real-life large scale software systems
2. Demonstrate the ability to orally communicate ideas and concepts
3. Create written documentation to illustrate clear system and user documents
4. Apply knowledge of software Engineering principles in the modeling, design and development of software projects
5. Recognize key ethical issues affecting computer science and their responsibility as computer science professionals.

Computer Science, Minor

The Computer Science Minor provides an excellent complement of courses for students majoring in the sciences, mathematics, and disciplines that require enhanced computational resources and skills. Courses in Java programming, discrete mathematics, operating systems, and data structures provide a foundation in computer science and computational concepts. Additional courses such as computational methods, telecommunications and networks, and database design provide further study of related subjects.

Code	Title	Credits
Required: 15 Credits		
CS 101	Computer Science I	3
CS 102	Computer Science II	3
CS 202	Discrete Structures I	3
CS 206	Concepts of Operating Systems	3
CS 209	Data Structures	3
Required Electives: 6 Credits		
Select six credits from the following courses:		6
CS 210	Fundamentals of Telecommunication and Network	3
or CS 410	Telecommunications & Networks	
CS 232	Introduction to Data Bases & Discrete Search	3
or CS 306	Data Base Design	
MATH 193	Calculus and Analytic Geometry II	4
MATH 260	Linear Algebra	3
INTD 180	Computer Tools For Science and Mathematics	3
Elective: 3 Credits		
Select three credits from Computer Science courses numbered 300 or higher (for which the student has completed the appropriate prerequisite)		3

English

Karnoutsos Hall, Room 304
201-200-3337

The mission of the English Departmen (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/english)t (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/english) is to facilitate an exemplary education in the liberal arts by training students to read, write, and think critically about texts in a variety of modes and genres. Our major and minor programs allow students to focus on literature or creative writing, and we have a co-major track for students seeking teacher certification. In addition, we provide NJCU's college composition sequence and a wide range of courses that fulfill General Education requirements on topics that include effective speaking, creative writing, young adult fiction, African American literature, environmental literature, hip hop lyrics, science fiction, and the history and culture of university life. English courses prepare students for success in college coursework, future careers, graduate school, and lives as public and private citizens.

The English Department faculty is actively involved in scholarly research and publication, and the creative work of the faculty includes poetry, fiction, plays, essays, and journalism. We also proudly feature student work in several publications: *PATHs* (creative writing) and *Explorations* (essays), as well as student-led journals. Each year, the Department hosts readings and discussions featuring faculty, students, and special guests, and our traditions include Recognition Day, an annual event at which prizes are awarded for outstanding writing and other student achievements, such as induction to our chapter of Sigma Tau Delta, the International English Honors Society. The Department has an active online presence; our Instagram is **@njcuenglishdept.**

Students who enjoy and value reading and writing about literature and/or writing creatively are excellent candidates for the English Major. The requirement for admission to all concentrations is a cumulative grade point average of 2.0 in General Education courses. Only courses in which grades of "C" or higher are earned are applied to the major requirements.

Corey Frost, Chairperson (https://catalog.njcu.edu/undergraduate/arts-sciences/english/cfrost@njcu.edu)
Associate Professor of English
Concordia University, B.A.; Université de Montréal, M.A.; The Graduate Center of the City University of New York, Ph.D.

Michael Basile
Professor of English
Hunter College, B.A., M.F.A.; City University of New York, Ph.D.

James Broderick
Professor of English
Indiana State University, B.S.; Brooklyn College, M.S.; City University of New York, Ph.D.

E. Shaskan Bumas
Professor of English
University of Pennsylvania, B.A.; Washington University, M.A., M.F.A.W., Ph.D.

J. Christopher Cunningham
Associate Professor of English
Harvard University, A.B.; University of California, M.A., Ph.D.

Joshua Fausty
Professor of English
Union College, B.A.; Rutgers University, M.A., Ph.D.

Audrey Fisch
Professor of English
Amherst College, B.A.; Rutgers University, M.A., Ph.D.

Alina Gharabegian
Professor of English
California State University, B.A., M.A.; City University of New York, M.Phil., Ph.D.

Edvige Giunta
Professor of English
University of Catania, Italy, B.A.; University of Miami, M.A., Ph.D.

Barbara Hildner
Professor of English
Emmanuel College, B.A.; University of Virginia, M.A.

Tan Lin
Professor of English
Carleton College, B.A.; Columbia University, M.A., M.Phil., Ph.D.

Michael Rotenberg-Schwartz
Associate Professor of English
University of Michigan, B.A.; New York University, M.A., Ph.D.

Ann Wallace
Professor of English
Drew University, B.A.; Rutgers University, M.A.; City University of New York, Ph.D. (https://catalog.njcu.edu/undergraduate/arts-sciences/english/cfrost@njcu.edu)

Caroline Wilkinson
Associate Professor of English
Auburn University, B.A., M.A.; University of Louisville, Ph.D.

See the **English Department (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/english) website for a list of current part-time faculty.

The English Department offers three majors and two minors in English that prepare students for multiple fields of employment or for other areas of undergraduate or graduate study. Detailed requirements for each program are explained at the links below. NJCU graduation requirements beyond the major are listed on "Undergraduate Degree Requirements (https://catalog.njcu.edu/undergraduate/undergraduate-degree-requirements/)."

- English—Creative Writing, B.A. (p. 103)
- English—Creative Writing, Minor (p. 104)
- English—Literature, B.A. (p. 105)
- English—Literature, Minor* (p. 107)
- English—Teacher Certification Elementary Education (K-6), B.A. (p. 108)
- English—Teacher Certification Secondary Education (K-12), B.A. (p. 109)

English (ENGL)

ENGL 1XX English Transfer Credit (0 Credits)

ENGL 2XX English Transfer Credit (0 Credits)

ENGL 100 Critical Reading and Writing (3 Credits)
Critical Reading and Writing is an immersion into college-level intellectual engagement, focusing on a theme such as childhood, travel, cities, traditions, or secrets, among others. Students read literary, scholarly, or popular texts (or view audiovisual materials), analyze ideas, and seek insights through discussion. Designed to foster skills in reading, critical thinking, and written and oral expression, ENGL 100 is the first part of the GE Written Communication sequence and is taken in the first semester by all non-transfer students.

ENGL 101 Critical Writing and Analysis (3 Credits)
Critical Writing and Analysis focuses on skills used in college-level written communication. Students learn to construct clear analytical essays that make effective arguments. The course emphasizes fundamental writing and revision techniques and processes. This is the second course in the GE Written Communication sequence for students who are placed into it, as determined by a writing skills assessment during ENGL 100.

ENGL 102 Critical Writing and Research (3 Credits)
In Critical Writing and Research, coursework focuses on how ideas are produced, shared, and debated through scholarly writing. In addition to honing the skills practiced in ENGL 100 and 101, students conduct research and write a research paper that is relevant to their own interests. This is the final course in the GE Written Communication sequence and is taken by all students, either directly after ENGL 100 or after ENGL 101, as determined by a writing skills assessment during ENGL 100.
Pre-Requisite(s): ENGL 101

ENGL 105 College Writing (3 Credits)
College Writing provides instruction in writing and reading skills that is adjusted to the skill level of the students. Students read college-level texts and practice using the conventions of college-level writing. The course is offered as a supplement to the usual composition sequence so that students can hone the skills that will help them move through the sequence more quickly.

ENGL 108 Advanced Essay Writing (3 Credits)
Building on the foundations laid in the General Education composition courses, this course develops students' skills in all elements of expository and argument-based essay writing. Enrollment for this course is limited to 15 students.

ENGL 125 Stories of the University (3 Credits)
How did universities begin? How have they evolved? Who benefits from university, and who pays? What explains the peculiar traditions, status, and structure of universities? And how will they change in the future? Students will explore the history, culture, and politics of higher education through fiction, essays, and other texts. Fulfills the Civic Engagement requirement for Gen Ed.

ENGL 130 Reading the Environment (3 Credits)
How do we understand our relationship to nature as individuals and as a species? Can a growing environmental awareness save the planet for future life? This course explores these and other urgent questions facing humanity. Fulfills the Global and Cultural Awareness requirement for Gen Ed.

ENGL 133 Dark Stories for Young Adults (3 Credits)
In this course, students will analyze dystopian literature for young adults. These dark and edgy works explore repressive societies and contemporary challenges like environmental disasters, technological dependency, bioengineering catastrophes, and social inequality. Students will use these texts to cultivate their own ideas about social change and responsible citizenship. Fulfills the Civic Engagement requirement for Gen Ed.

ENGL 135 Home, Place, and Memory in US Immigrant Literature (3 Credits)
This course focuses on the ways immigrant writers remember and remake home following immigration and the social and historical events that prompted it. By examining different ideas of home—in the country of origins and the country of migration—the course explores how memory transforms place. Fulfills the Global and Cultural Awareness requirement for Gen Ed.

ENGL 147 Effective Speaking (3 Credits)
Students learn about and practice the elements of effective speaking: the preparation, delivery, and evaluation of oral communication. The enrollment for this course is limited to 15 students. Fulfills the Oral Communication requirement for Gen Ed.

ENGL 150 From Game Playing to Creative Writing: Literary Games and Formal Experiments in Creative Writing (3 Credits)
Students compose original works by experimenting with language's visual and sonic qualities, modifying literary and non-literary forms (e.g. sonnet, cookbook, grocery list), and utilizing non-traditional compositional techniques: cut-up, content scraping, n+1 aggregation. Because experimental writing often adheres to rules/formal procedures, students adopt rule-bound, constraint-driven forms that share an affinity with literature and gaming. Fulfills the Information and Technological Literacy requirement for Gen Ed.

ENGL 191 History of Writing and Reading (3 Credits)
Humans have used language for many millennia, but it was the invention of writing about 5000 years ago, along with its subsequent re-inventions, that led to the hyper-connected world we live in now. This course traces the history of writing and reading from cuneiform and hieroglyphs to the internet, highlighting the origins of the alphabet, the book, and the printing press, as well as the development of literature as an art form. Readings will address the attributes of oral culture vs. literate culture, the implications of mass literacy, and the impact of digital media.

ENGL 199 Creative Writing (3 Credits)
Practice, guidance, and criticism are provided for students wishing to develop their talents for writing poetry, plays, scenarios, or fiction of any length.

ENGL 200 Writing for Business (3 Credits)
This is a course giving students an understanding and appreciation of the purposes, methods, and forms of written communication employed in business, corporate enterprise, and agencies of government. Students practice appropriate forms of communication in a series of writing assignments throughout the semester.
Pre-Requisite: ENGL 100 or ENGL 101

ENGL 204 Modern American Literature (3 Credits)
This course studies literature produced in America from the turn of the twentieth century to the present. Students read fiction, poetry, and/or plays by writers such as Langston Hughes, William Faulkner, Gertrude Stein, Eugene O'Neill, or Toni Morrison. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite: ENGL 101 or ENGL 102.

ENGL 205 Queer Literature (3 Credits)
An examination of literary texts by and about lesbian and gay people. The course concentrates on the portrayal in literature of same-sex-love and desire, and relates questions of sexuality to issues of esthetics, gender, race, and class. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite: ENGL 101 or ENGL 102

ENGL 207 Modern British Literature (3 Credits)
This course studies literature produced in Britain from the turn of the twentieth century to the present. Students read fiction, poetry, and/or plays by writers such as Virginia Woolf, E.M. Forster, Doris Lessing, Harold Pinter, or Kazuo Ishiguro. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite: ENGL 101 or ENGL 102

ENGL 208 The Novel and Film (3 Credits)
This course explores the relationships between novels and their film adaptations in terms of issues, images, points of view, techniques, and translations of voice and style. The works will be viewed from a cultural, historical and artistic perspective. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite: ENGL 101 or ENGL 102.

ENGL 209 Children's & Young Adult Literature (3 Credits)
Students engage in rigorous literary and critical analysis of a wide variety of multicultural children's and young adult literature in different genres and from different periods. Texts may include nursery rhymes, picture books, or novels such as Alice in Wonderland or Harry Potter. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or ENGL 102.

ENGL 212 Murder in Literature (3 Credits)
Students explore the theme of murder in literature, film, radio, and television, in addition to discussing homicide in the national media and real life. Readings range from Shakespeare's Othello to Raymond Chandler's The Big Sleep to contemporary murder mystery novels and short stories.
Pre-Requisite(s): ENGL 101 or ENGL 102.

ENGL 213 Introduction to the Study of Literature (3 Credits)
ENGL 213 serves as the first course in the English major but is open to majors and non-majors alike. It offers a broad introduction to the study of literature: what we read, how we read it, and why. Students practice reading closely and listening attentively, and they learn to recognize literary devices and use key concepts such as theme, allusion, and point of view. Whatever your experience as a reader, this course will introduce you to new pleasures and challenges in literature. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or ENGL 102

ENGL 214 Science Fiction (3 Credits)
This course is an introduction to science fiction in English. Studying mostly 20th- and 21st-century works that speculate about counter-factual yet scientifically plausible scenarios, the course reveals how fiction about alternate universes and times can reflect key concerns and assumptions of the times they were written in. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or ENGL 102

ENGL 215 Multiethnic US Literature (3 Credits)
This course focuses on U.S. literature produced by and reflective of an ethnically diverse population. Students read works by African American, Latino/a, Asian American, Native American, or immigrant authors, especially works that address issues pertaining to minority identities. Fulfills the Global and Cultural Awareness requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or ENGL 102

ENGL 218 The Short Story (3 Credits)
This course studies the historical development and the aesthetic techniques of the short story. Students read both classic stories and lesser-known works by writers such as Poe, Chekhov, Borges, Mansfield, Munro, Baldwin, or Chiang. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or ENGL 102

ENGL 219 Making Literature Matter (3 Credits)
This course, intended primarily for majors concentrating on literature and the teaching of literature, expands students' understanding of literary scholarship through the introduction of critical questions, terms, and concepts that motivate current practice within literary studies. It is taken concurrently with or directly after ENGL 213.
Pre-Requisite(s): ENGL 101 or ENGL 102
Co-Requisite(s): ENGL 213

ENGL 220 African American Literature (3 Credits)
This course is an introduction to the works of major African American writers. Some of the featured authors may include Frederick Douglass, Zora Neale Hurston, Nella Larsen, Richard Wright, Maya Angelou, or Octavia Butler. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or ENGL 102

ENGL 226 Women in Literature (3 Credits)
This course focuses on literature produced by women. Topics addressed may include the history and politics of representations of women in literature and the role of women in the creation, transformation, and consumption of literary genres. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or 102

ENGL 227 Early Modern Dramatic Literature (3 Credits)
This course examines several genres of drama including the English comedy of manners, the major comedies of Molière, Jacobean tragedy, and the tragedies of Racine, while drawing an evolutionary line to the development of the modern theatre. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or ENGL 102

ENGL 228 Modern Dramatic Literature (3 Credits)
The course examines the major plays and the theatrical movements of the 19th, 20th, and 21st centuries, including works by Ibsen, Chekhov, Shaw, Brecht, O'Neil, Williams, Miller, Glaspell, Beckett, Pinter, Fugard, and Wilson, among others — and the cultural contexts that inspired Surrealism, Impressionism, and Absurdism. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or 102

ENGL 230 Classical Drama of Greece & Rome (3 Credits)
This course examines the origins of Western Drama through the major tragedies and comedies of Classical Greece and Rome, including works by Aeschylus, Sophocles, Euripides, Aristophanes, Plautus, and Seneca. The cultural and historical contexts that generated these plays are also addressed.
Pre-Requisite(s): ENGL 101 or ENGL 102

ENGL 231 The Short Novel (3 Credits)
Students study the development and techniques of the short novel, emphasizing its special characteristics and its relation to the short story on the one hand and the novel proper on the other. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or ENGL 102

ENGL 232 Adolescent in Literature (3 Credits)
Significant literary works and authors are examined in the historical context of the age of Elizabeth, a golden age of English prosperity and experimentation in language and literary forms. The course also includes major poets and playwrights other than Shakespeare.
Pre-Requisite(s): ENGL 101 or ENGL 102

ENGL 235 Reading Hip Hop (3 Credits)
This course introduces students to the study of hip hop as a literary genre that is rooted in the vernacular languages and cultural practices of the African diaspora. Students will engage literary and critical works and examine the genre's connection to movements such as the Harlem Renaissance and the Black Arts Movement. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or ENGL 102.

ENGL 247 Literature of the City (3 Credits)
This course examines literary representations of urban life, space, culture, and history, within a variety of traditions and forms. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 and ENGL 102.

ENGL 250 Portugal Brazil North America: Stories of Migration (3 Credits)
This course explores literary and other cultural production about migration from Portugal and Brazil to the United States and Canada. Students will explore the cultural and historical contexts of these migrations, as well as the forms of community developed by Lusophone immigrants and their children in North America.
Pre-Requisite(s): ENGL 101 or ENGL 102.

ENGL 255 Cut, Copy, Paste: Creative Approaches to Writing and Design (3 Credits)
This course will analyze and practice written forms that use visual elements, including traditional and experimental book and magazine design and production. Students will create book and digital media projects, like zines or e-lit, featuring the class's own writing and visual productions. Fulfills the Information and Technological Literacy requirement for Gen Ed.
Pre-Requisite(s): ENGL 101 or ENGL 102

ENGL 270 Fiction Workshop (3 Credits)
In this workshop students create works of fiction for the entire class to discuss. Thus students learn not just from the canon and the professor but from each other. Reading materials are classic and (mostly) contemporary short stories, micro-fictions, scripts, and novels or excepts from novels.
Pre-requisite: ENGL 101 or ENGL 102.

ENGL 301 Narrative Workshop (3 Credits)
This course teaches the writing of imaginative prose: fictional essays, expository essays, documentaries, autobiography, and narrative writing. Enrollment is limited to 15 students.
Pre-Requisite(s): ENGL 102; Pre-Requisite(s)/Co-Requisite(s): ENGL 213
Co-Requisite(s): ENGL 213

ENGL 303 The Novel (3 Credits)
In this course students study the development of the novel as a literary form from its beginnings to the present.
Pre-Requisite(s): ENGL 102 and ENGL 213
Co-Requisite(s): ENGL 219.

ENGL 305 African American Women Writers (3 Credits)
This course traces the unique literary tradition of African American women writers, focusing on its relationship to feminist and African American criticism and to issues of race, gender, and class.
Pre-Requisite(s): ENGL 102 and ENGL 213; Pre or Co-Requisite(s): ENGL 219
Co-Requisite(s): ENGL 219

ENGL 306 Modern Poetry (3 Credits)
This course explores the cultural and aesthetic contexts of modernity as these are represented in Modern poetry of the Western tradition, with particular attention to Anglophone poetry. Students examine Modern poetry's early influences, characteristic techniques, formal innovations, thematic concerns, major practitioners, and movements (Imagism, the Harlem Renaissance, etc.)
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 307 American Theatre (3 Credits)
Students read and watch major dramatic works written or produced in an American context.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 308 Satire (3 Credits)
This course is a comprehensive study of the methods and tools the satirists use to ridicule human vice and folly. Authors discussed include Swift, Shaw, Voltaire, Aristophanes, Chaucer, and Austen.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 309 Epic (3 Credits)
In this study of the epic as a genre, students explore epic poems from antiquity to the modern day. Some emphasis is on the elements of epic narrative and style.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 310 Early British Theatre (3 Credits)
This course explores the tradition of British dramatic literature and performance from the mystery and morality plays of the Middle Ages to the Elizabethan and Jacobean ages, culminating in plays by Shakespeare, Webster, Marlowe, and Fletcher.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 312 Early American Literature (3 Credits)
This course studies literary production from the sixteenth through the eighteenth centuries in what is now the U.S.A.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 313 Stories of Teaching & Learning: Narratives of Education (3 Credits)
How do teachers and students from different countries and times, with different challenges and learning styles, experience education? Reading narratives from areas that may include the Middle East, Asia, Europe, or the Americas lets us—as students and future teachers—analyze how power, class, cultural difference, and colonial domination affect literacy and education.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 314 Topics in American Literature (3 Credits)
In this course, students examine literature in the American tradition with particular attention to that tradition's formation across its history. Through close engagement with works of fiction, poetry, drama, and criticism representative of at least three distinct literary historical periods, we explore literary historical specificity, change, and continuity.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 315 American Folklore (3 Credits)
This course focuses on the interconnections between folklore and literature in American culture. Significant methodologies of studying folklore will be examined alongside literary works that engage myths, tales, rituals, magical realism, ethnographic fieldwork, folk narrative, lyric, ballad, and oral tradition storytelling.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 316 Topics in British Literature (3 Credits)
This course examines literature in the British tradition through a thematic or topical organizing principle. Through close engagement with works of fiction, poetry, drama, and criticism representative of at least three distinct literary periods, the course offers an advanced understanding of changes and continuities in British cultural history.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 317 Literature and Philosophy (3 Credits)
This course examines intersections between literature and philosophy as distinct modes of interrogating and explaining the human condition, the mind, the natural world, language, aesthetics, and reality. Literary and philosophical works are read in light of one another. Readings range from ancient philosophy and poetry to contemporary thought and fiction. Cross-listed with PHIL 317.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 318 Postcolonial Literature (3 Credits)
This course examines colonial legacies in postcolonial works, in a variety of literary genres, as they relate to themes, ideas, form, technique, and style focusing on the hybridization of cultures as a result of colonialization. Current postcolonial theories and the discourse of power and domination will also be analyzed.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 319 The Triangle Shirtwaist Factory Fire (3 Credits)
This course examines the Triangle Shirtwaist Factory fire of March 1911. Students study representations of the fire in the context of early twentieth-century social history, investigating how the memory and significance of the fire reverberated nationally and internationally in literature, art, politics, and culture for over a century. Fulfills the Capstone Seminar requirement for Gen Ed.
Pre-Requisite(s): ENGL 102

ENGL 321 Topics in World Literature (3 Credits)
In this course, students examine literatures from cultures outside the United States and Great Britain. Through close engagement with works of fiction, non-fiction, poetry, drama, and criticism from at least three distinct regions of the world, we explore literary history within the specific social and cultural contexts of these regions.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 322 Middle Eastern Literature: Writing Beyond Modernity (3 Credits)
This course explores the most provocative movements and authors of the contemporary Middle East, including experiments with romanticism, surrealism, existentialism, and postmodernism. We will also unravel the intricate themes and concepts in the text of these writers, such as imagination, desire, violence, time, space, power, catastrophe, and exile.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 323 World Poetry of 20th Century (3 Credits)
This course covers the techniques, forms, and themes of twentieth-century poets of the English and non-English speaking worlds. Works are read in original English and in translation.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 324 Irish Literature (3 Credits)
A remarkable number of important writers have come from Ireland. This course explores their work—as well as Irish culture and history. Students will engage with poems, plays, novels, films, songs, legends, ghosts, fairies, wizards and, yes, leprechauns—amid a history filled with light-hearted lore and dark, violent epochs.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 326 Eighteenth-Century British Literature (3 Credits)
This course offers an in-depth study of British literature in the late seventeenth and eighteenth centuries featuring works of major writers like Swift and Pope.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 327 Romanticism in England (3 Credits)
This course offers an in-depth study of British literature from 1798 to 1832 featuring major writers like Wordsworth, Coleridge, Keats, and Mary Shelley.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 328 Literature of the Crusades (3 Credits)
This course traces the phenomena of the Crusades from their roots in the 7th century to their influence on the 21st century, with special attention to Holy Land Crusades of the 11th through 13th centuries and representations of them in literature, music, art, and architecture of the period and later.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 329 Contemporary World Literature (3 Credits)
This course explores works written in the twentieth and twenty-first centuries by significant writers of both the English speaking and non-English speaking worlds.
Pre-Requisite(s): ENGL 102 and ENGL 213; Pre/Co-Requisite(s): ENGL 219

ENGL 330 Elizabethan Literature (3 Credits)
Significant literary works and authors are examined in historical context of the age of Elizabeth, a golden age of English prosperity and experimentation in language and literary forms. The course also includes major poets and playwrights other than Shakespeare.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 331 Shakespeare I (3 Credits)
In this course, students read a selection of major plays and sonnets by William Shakespeare and learn about his era and his impact on English literature.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 332 Shakespeare II (3 Credits)
Students read works not covered Shakespeare I, examine more closely Shakespeare's historical and literary contexts, and/or address particular themes or issues in his work.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 340 Survey of U.S. Writers of Latin-American Descent (3 Credits)
The course examines literary texts written by immigrant, exiled, and U.S.-born Latinas and Latinos. It pays particular attention to the ways in which specific literary genres are connected to the histories of various Latino communities.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 341 History of the English Language (3 Credits)
The focus of this study is the historical development of the English language from its beginnings to the present day. The primary concern is the analysis of language change, with examples from relevant literary periods.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 342 Asian Literature (3 Credits)
This course offers a study of Asian literature and may include works by authors of Asian descent in non-Asian countries such as the U.S.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 343 Linguistics: Language, Culture & Communication (3 Credits)
This course is an in-depth study of language: how it developed, how it evolves, how it works, and how we use it to communicate. The main focus will be on the English language, although it may be compared with other languages spoken by students in the class. The course highlights the literary, cultural, educational, and political ramifications of linguistic study.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 344 Creative Writing in a Digital Age: Remediation, Sampling, Journaling, and Mixed Media Appropriation (3 Credits)
Students compose original works prompted by the emergence of digital platforms for the creation, consumption and dissemination of textual matter. Studying how such practices have emerged from the blog, SMS, social media, and wikis, students will experiment with texting, content scraping, appropriation, and remixing. Fulfills the Capstone Seminar requirement for Gen Ed.
Pre-Requisite(s): ENGL 102

ENGL 345 Literature of Genocide (3 Credits)
This course explores representations of genocide by writers and artists in various media, genres, and discourses. It considers the origins, developments, and forms of mass extermination to question definitions of genocide, the propriety of comparing genocide events, and the implications of using literary and other strategies to depict them.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 346 American Romanticism (3 Credits)
This course offers an in-depth study of the works of the American Romantic period with emphasis on major writers like Emerson, Hawthorn, Melville, and Poe.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 347 American Realism and Naturalism: 1865-1890 (3 Credits)
This course is an in-depth study of the works of the American realist and naturalist authors with emphasis on major writers like Twain, James, Howells, and Crane.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 349 Special Topics in Creative Writing (3 Credits)
Students examine published works and produce, workshop, and revise their own works of poetry, fiction, or creative non-fiction within a particular style, genre, or topic, which varies from semester to semester —some examples are flash fiction, speculative fiction, song lyrics, sitcom scripts, food writing, or writing the city. Enrollment is limited to 15 students.
Pre-Requisite(s): ENGL 102
Pre/Co-Requisite(s): ENGL 213.

ENGL 350 Age of Chaucer (3 Credits)
This is a Chaucer-centered study of medieval literature, exclusive of drama.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 351 African & Caribbean Women Writers (3 Credits)
This course is an introduction to women writers from West Africa and the Caribbean. The works of the West African and Caribbean women writers are compared and contrasted to each other.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 352 Modern and Contemporary African Literature (3 Credits)
This course introduces students to the diversity of African writings and examines the social, cultural, and historical contexts from which they emerge. Students will read a variety of literature and will consider how writers address themes such as power, class, gender, colonialism, and globalization.
Prerequisite: ENGL 102 and ENGL 213
Pre/Co-requisite: ENGL 219

ENGL 353 Mythical Themes in Literature (3 Credits)
This course offers a study of major mythological themes and how they are employed in works of literature. Students read works that deal with love, temptation, salvation, and transcendence and invoke figures such as Orpheus, Prometheus, Oedipus, or and Christ. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 354 The Craft of Narrative (3 Credits)
This is a creative writing course for students interested in doing advanced work in narrative. Enrollment is limited to 15 students.
Pre-Requisite(s): ENGL 102
Pre/Co-Requisite(s): ENGL 213.

ENGL 355 The Craft of Poetry (3 Credits)
This is a creative writing course for students interested in doing advanced work in poetry. The enrollment for this class is limited to 15 students.
Pre-Requisite(s): ENGL 102
Pre/Co-Requisite(s): ENGL 213.

ENGL 356 Victorian Literature (3 Credits)
This course offers an in-depth study of British literature of the Victorian age, featuring such writers as Browning, Wilde, Dickens, the Brontes, and George Eliot.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 359 Grammar and Usage (3 Credits)
Misplaced commas or misspelled words are often referred to as "grammar mistakes," but in this course "grammar" means something much more interesting: a branch of linguistics that studies and describes how words, phrases, and clauses are formed by native speakers of a language, in all its dialects and degrees of formality. Why is "tell me something" grammatical, while "tell something me" is not? What about "can't nobody tell me nothing"—grammatical or not? We'll discuss standard and non-standard forms, how they are often stigmatized, and how to understand usage conventions and controversies.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 361 Technical Writing (3 Credits)
Each section of this course focuses on the development of technical writing skills, styles, and genres specific to a designated disciplinary or professional field in science, business, technology, social science, or the arts. Students are encouraged to enroll in the section that corresponds to their major or minor program.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 363 Single Author Study (3 Credits)
In this course, students examine in depth one author's body of work and place within literary history. Each section of Single Author Study will focus on the literary career, influences, and impact of one author of major literary historical significance.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 372 Advanced Expository Writing (3 Credits)
Students in this course do advanced work in expository writing such as persuasion, analysis, description. The course may be useful to students not only in the humanities but also in the physical and social sciences and the arts. Enrollment is limited to 15 students.
Pre-Requisite(s): ENGL 102
Pre/Co-Requisite(s): ENGL 213.

ENGL 376 Poetry Workshop (3 Credits)
This workshop is for students interested in writing poetry and understanding its various forms and elements. Enrollment is limited to 15 students.
Pre-Requisite(s): ENGL 102
Pre/Co-Requisite(s): ENGL 213.

ENGL 383 Playwriting Workshop (3 Credits)
This course introduces students to playwriting in a workshop format and also provides theoretical and historical background through the study of dramatic literature and dramatic readings. Enrollment is limited to 15 students.
Pre-Requisite(s): ENGL 102
Pre/Co-Requisite(s): ENGL 213.

ENGL 385 Voice & Diction (3 Credits)
This course helps students improve their techniques of speaking: their diction, articulation, and pronunciation.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 386 Memoir Workshop (3 Credits)
Designed as a process-oriented workshop on memoir writing, the course explores the differences between memoir and autobiography writing. It also examines strategies for memoir-writing, the creative process underlying the genre, and the contexts in which the contemporary memoir has emerged. Enrollment is limited to 15 students. Fulfills the Humanistic Perspectives requirement for Gen Ed.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 389 Literature of the Palestine–Israel Conflict (3 Credits)
This course explores perspectives on the Palestine - Israel Conflict as represented by writers and artists (from Palestine, Israel, and elsewhere) in a variety of media and genres to narrate their personal and national stories and stake claims to certain ways of being and belonging to the land which they co-inhabit.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 390 The Craft of Prose (3 Credits)
This is a creative writing course in which students do advanced work on professional and/or creative writing projects designed with the assistance of the class and the instructor. Enrollment is limited to 15 students.
Pre-Requisite(s): ENGL 102
Pre/Co-Requisite(s): ENGL 213.

ENGL 391 Persuasive Writing (3 Credits)
In this course, students examine and practice writing that is designed to convince an audience in a compelling fashion. Particular attention is paid to emotional, ethical, and logical appeals to the reader. Enrollment is limited to 15 students.
Pre-Requisite(s): ENGL 102 and ENGL 213
Pre/Co-Requisite(s): ENGL 219.

ENGL 392 The Craft of Memoir (3 Credits)
This is a process-oriented course on writing memoir for advanced students of creative writing. Students should have preferably already taken ENGL 386 Memoir Workshop. For this course students further develop and experiment with the strategies of memoir writing and write a long, self-contained, publishable piece. Enrollment is limited to 15 students.
Pre-Requisite(s): ENGL 102
Pre/Co-Requisite(s): ENGL 213.

ENGL 395 Creative Nonfiction Workshop (3 Credits)
Creative nonfiction includes personal essay, interview, travel writing, nature writing, and biography. This class covers the historical dimension and contemporary ramifications of creative nonfiction for students writing their own creative nonfiction. We will read a mixture of canonical and contemporary writers to understand the tradition in which students are participating.
Pre-Requisite(s): ENGL 102
Pre/Co-Requisite(s): ENGL 213.

ENGL 398 Video Game Writing Workshop (3 Credits)
In this course, students will learn how to develop characters and worlds, and integrate gameplay and story, by creating an interactive choose-your-own-adventure game that they will write on an industry-standard game-creation platform such as Twine, Inkle, Unity, Ren'Py, or Gamemaker. Some basic coding (for using variables, conditional logic, images, CSS, and JavaScript) will be covered to help students create more engaging games, but coding experience is not required or expected. Enrollment is limited to 15 students.
Pre-Requisite(s): ENGL 102
Pre/Co-Requisite(s): ENGL 213.

ENGL 399 The Craft of Video Game Writing (3 Credits)
In this course, students will work in teams to design and create a game on an industry-standard game-creation platform such as Twine, Inkle, Unity, Ren'Py, or Gamemaker. They will also learn about and practice writing professional video game documents (including the pitch, the game treatment, the game design document, instructions, walkthroughs, manuals, and tutorials). Some basic coding (for using variables, conditional logic, images, CSS, and JavaScript) will be covered to help students create more engaging games, but coding experience is not required or expected. It is preferable but not required that students take Video Game Writing Workshop before this course. Enrollment is limited to 15 students.
Pre-Requisite(s): ENGL 102
Pre/Co-Requisite(s): ENGL 213.

ENGL 400 Writing Internship (3 Credits)
This internship course provides an opportunity for qualified students to receive training and practice in tutoring other students who seek help with their writing. Students are introduced to composition and writing center theory and work a few paid hours per week in the NJCU Writing Center. The course is open to capable writers in any major.
Pre-Requisite(s): ENGL 102.

ENGL 401 Introduction to Debate (3 Credits)
This course is an introduction to the theory and practice of academic debate. Topics include case construction; argumentation, refutation, and rebuttal; presentation skills; and methods for judging debates.
Pre-Requisite(s): ENGL 102, ENGL 213 and ENGL 219.

ENGL 403 Literature and Psychology (3 Credits)
The principles of modern psychology are used to illuminate the meaning of selected literary works.
Pre-Requisite(s): ENGL 102, ENGL 213 and ENGL 219.

ENGL 409 Literary Theory (3 Credits)
This seminar course for advanced English majors addresses concepts and concerns in literary theory from antiquity to the present.
Pre-Requisite(s): ENGL 102, ENGL 213 and ENGL 219.

ENGL 410 Thematic Studies (3 Credits)
This seminar course offers an advanced study of a special topic in literature or language, such as a literary movement or group of writers, a recent development in writing or literary studies, or a study of rhetoric with a particular focus. The topic is announced each semester on the department website.
Pre-Requisite(s): ENGL 102, ENGL 213 and ENGL 219.

ENGL 412 Capstone Seminar in English (3 Credits)
The capstone is a research-intensive culminating seminar that affords students in the last semester of the English Major the opportunity to examine a critical issue current in the discipline of English studies or Creative Writing and to participate in a rigorous exchange about this issue with their peers and with published scholars and authors. Offered with a focus either on Literature (for students in the Literature and Education concentrations) or Creative Writing (for students in the Creative Writing concentration). Enrollment is limited to 15 students. **Pre-Requisite(s):** ENGL 102, ENGL 213 and ENGL 219.

ENGL 420 Major Cultural Conflicts in Literature (3 Credits)
Students pursue an analysis of a culturally significant ideological conflict as it is reflected and negotiated in the literature of its historical moment. **Pre-Requisite(s):** ENGL 102, ENGL 213 and ENGL 219.

ENGL 1374 Independent Research (3 Credits)

ENGL 2492 Independent Study in English (3 Credits)

English—Creative Writing, B.A.

Students following the Creative Writing concentration engage at every level of the creative process, from the cultivation and drafting of an idea to its publication and performance. Sharing a core with the other concentrations in which the fundamental skills of critical reading are developed and some of the intellectual and cultural issues in the fields of British, American, and World literature are explored, these students take three creative writing workshops and three craft seminars in which they learn to write in a variety of genres (poetry, memoir, fiction, and creative nonfiction) and to read for craft and technique. In English 412, the Capstone Seminar, students explore the challenges of writing a creative manuscript in a genre of their choice.

Total Credit Hours: 39

Code	Title	Credits
Required		
ENGL 213	Introduction to the Study of Literature	3
ENGL 412	Capstone Seminar in English	3
Restricted Elective in American Lit: Take One		
ENGL 204	Modern American Literature	3
ENGL 215	Multiethnic US Literature	3
ENGL 220	African American Literature	3
ENGL 305	African American Women Writers	3
ENGL 307	American Theatre	3
ENGL 312	Early American Literature	3
ENGL 314	Topics in American Literature	3
ENGL 315	American Folklore	3
ENGL 340	Survey of U.S. Writers of Latin-American Descent	3
ENGL 346	American Romanticism	3
ENGL 347	American Realism and Naturalism: 1865-1890	3
Restricted Elective in British Lit: Take One		
ENGL 316	Topics in British Literature	3
ENGL 207	Modern British Literature	3
ENGL 310	Early British Theatre	3
ENGL 326	Eighteenth-Century British Literature	3
ENGL 327	Romanticism in England	3
ENGL 330	Elizabethan Literature	3
ENGL 350	Age of Chaucer	3
ENGL 356	Victorian Literature	3
Restricted Elective in World Lit: Take One		
ENGL 321	Topics in World Literature	3
ENGL 227	Early Modern Dramatic Literature	3
ENGL 228	Modern Dramatic Literature	3
ENGL 230	Classical Drama of Greece & Rome	3
ENGL 250	Portugal Brazil North America: Stories of Migration	3
ENGL 318	Postcolonial Literature	3
ENGL 322	Middle Eastern Literature: Writing Beyond Modernity	3
ENGL 323	World Poetry of 20th Century	3
ENGL 324	Irish Literature	3
ENGL 329	Contemporary World Literature	3
ENGL 342	Asian Literature	3
ENGL 351	African & Caribbean Women Writers	3
ENGL 352	Modern and Contemporary African Literature	3
Restricted Creative Writing Electives		
Select three Creative Writing Workshops from the following:		
ENGL 270	Fiction Workshop	3
ENGL 301	Narrative Workshop	3
ENGL 344	Creative Writing in a Digital Age: Remediation, Sampling, Journaling, and Mixed Media Appropriation	3
ENGL 349	Special Topics in Creative Writing	3
ENGL 376	Poetry Workshop	3
ENGL 383	Playwriting Workshop	3
ENGL 386	Memoir Workshop	3
ENGL 395	Creative Nonfiction Workshop	3
ENGL 398	Video Game Writing Workshop	3
Select three Creative Writing Craft Courses:		
ENGL 354	The Craft of Narrative	3
ENGL 355	The Craft of Poetry	3
ENGL 390	The Craft of Prose	3
ENGL 392	The Craft of Memoir	3
ENGL 399	The Craft of Video Game Writing	3
Literature Elective		
Select two from the following:		
ENGL 205	Queer Literature	3
ENGL 209	Children's & Young Adult Literature	3
ENGL 214	Science Fiction	3
ENGL 215	Multiethnic US Literature	3
ENGL 218	The Short Story	3
ENGL 219	Making Literature Matter	3
ENGL 220	African American Literature	3
ENGL 226	Women in Literature	3
ENGL 227	Early Modern Dramatic Literature	3
ENGL 228	Modern Dramatic Literature	3
ENGL 230	Classical Drama of Greece & Rome	3
ENGL 231	The Short Novel	3

ENGL 303	The Novel	3
ENGL 305	African American Women Writers	3
ENGL 306	Modern Poetry	3
ENGL 307	American Theatre	3
ENGL 308	Satire	3
ENGL 309	Epic	3
ENGL 310	Early British Theatre	3
ENGL 312	Early American Literature	3
ENGL 313	Stories of Teaching & Learning: Narratives of Education	3
ENGL 318	Postcolonial Literature	3
ENGL 322	Middle Eastern Literature: Writing Beyond Modernity	3
ENGL 323	World Poetry of 20th Century	3
ENGL 324	Irish Literature	3
ENGL 326	Eighteenth-Century British Literature	3
ENGL 327	Romanticism in England	3
ENGL 328	Literature of the Crusades	3
ENGL 329	Contemporary World Literature	3
ENGL 330	Elizabethan Literature	3
ENGL 331	Shakespeare I	3
ENGL 332	Shakespeare II	3
ENGL 340	Survey of U.S. Writers of Latin-American Descent	3
ENGL 342	Asian Literature	3
ENGL 345	Literature of Genocide	3
ENGL 346	American Romanticism	3
ENGL 347	American Realism and Naturalism: 1865-1890	3
ENGL 350	Age of Chaucer	3
ENGL 351	African & Caribbean Women Writers	3
ENGL 352	Modern and Contemporary African Literature	3
ENGL 353	Mythical Themes in Literature	3
ENGL 356	Victorian Literature	3
ENGL 363	Single Author Study	3
ENGL 389	Literature of the Palestine–Israel Conflict	3
ENGL 409	Literary Theory	3
ENGL 410	Thematic Studies	3
ENGL 420	Major Cultural Conflicts in Literature	3
Total Credits		**39**

Notes and Policies:

• Only courses in which a grade of C or higher is earned will be applied to the major.

• All students must take a total of 13 courses in the major.

• Students should complete ENGL 213 (Introduction to the Study of Literature) during the first semester of the major, and must enroll in ENGL 412 (Senior Capstone Seminar) in their final year of classes.

• ENGL 219 is recommended, but students in the Creative Writing concentration may substitute any other literature course for a ENGL 219 requirement.

• Majors may not take more than six 200-level courses, including English 213 and 219.

Sophomore		
Semester 1		**Credits**
ENGL 213	Introduction to the Study of Literature	3
Literature Elective		3
	Credits	**6**
Semester 2		
Restricted Elective in American Lit		3
Creative Writing Workshop		3
Creative Writing Workshop		3
	Credits	**9**
Junior		
Semester 1		
Creative Writing Workshop		3
Restricted Elective in British Lit		3
	Credits	**6**
Semester 2		
Literature Elective		3
Creative Writing Craft Course		3
Restricted Elective in World Lit		3
	Credits	**9**
Senior		
Semester 1		
Creative Writing Craft Course		3
Creative Writing Craft Course		3
	Credits	**6**
Semester 2		
ENGL 412	Capstone Seminar in English	3
	Credits	**3**
	Total Credits	**39**

Student Learning Outcomes

Upon completion of the Creative Writing BA program, students will be able to:

1. Summarize texts written in a variety of modes, styles, and discourses.
2. Paraphrase texts written in a variety of modes, styles, and discourses.
3. Perform close reading of literary works with attention to their formal features.
4. Construct explication of texts written in a variety of literary modes.
5. Analyze, synthesize, and integrate secondary materials into original analysis, interpretation, or argument.

English—Creative Writing, Minor

The minor in English consists of six courses (18 credits) with a concentration in either Literature or Creative Writing. Students minor in English by completing 18 credits in English courses numbered 200 or higher. Students pursuing a minor in English must work closely with a faculty advisor to design a coherent program.

Code	Title	Credits
Required Courses		
ENGL 213	Introduction to the Study of Literature [1]	3
Restricted Electives		
Take at least 9 credits of the following:		9
ENGL 301	Narrative Workshop	3
ENGL 349	Special Topics in Creative Writing	3
ENGL 354	The Craft of Narrative	3
ENGL 355	The Craft of Poetry	3
ENGL 376	Poetry Workshop	3
ENGL 383	Playwriting Workshop	3
ENGL 386	Memoir Workshop	3
ENGL 390	The Craft of Prose	3
ENGL 392	The Craft of Memoir	3
ENGL 395	Creative Nonfiction Workshop	3
Electives		
The remaining six credits may be earned in any English courses at the 200 level with the exception of English 200. These include courses in literature, creative writing, or language studies. See online course catalog for the full list.		6
Total Credits		**18**

[1] Students may take one of the English Department's General Education courses in lieu of ENGL213. This course should be taken early in a student's minor, preferably in the first semester.

English—Literature, B.A.

Students concentrating in literature gain a broad understanding of literary culture and a variety of perspectives from which to explore issues of representation and literary form; they also acquire the necessary skills to formulate and advance sustained and persuasive readings of texts. Building on the foundations of English 213 and 219, which cultivate fundamental skills and practices of reading and writing about literature, students engage with intellectual and cultural issues in the fields of British, American, and World literature, as well as in a seminar devoted to the study of a single author. Elective choices allow students to explore specific literary genres and themes, investigate the writing of particular communities and literary historical periods, focus on the English language, or write creative texts themselves. Finally, in the Capstone Seminar, students interrogate a critical issue current in literary studies by completing a substantial research essay.

Total Credit Hours: 39

Code	Title	Credits
Three Required Core Courses (9 credits)		
ENGL 213	Introduction to the Study of Literature	3
ENGL 219	Making Literature Matter	3
ENGL 412	Capstone Seminar in English	3
One Single Author Course (3 credits)		
ENGL 331	Shakespeare I	3
ENGL 332	Shakespeare II	3
ENGL 363	Single Author Study	3
One American Literature Course (3 credits)		
ENGL 314	Topics in American Literature	3
ENGL 204	Modern American Literature	3
ENGL 215	Multiethnic US Literature	3
ENGL 220	African American Literature	3
ENGL 305	African American Women Writers	3
ENGL 307	American Theatre	3
ENGL 312	Early American Literature	3
ENGL 315	American Folklore	3
ENGL 340	Survey of U.S. Writers of Latin-American Descent	3
ENGL 346	American Romanticism	3
ENGL 347	American Realism and Naturalism: 1865-1890	3
One British Literature Course (3 credits)		
ENGL 316	Topics in British Literature	3
ENGL 207	Modern British Literature	3
ENGL 310	Early British Theatre	3
ENGL 326	Eighteenth-Century British Literature	3
ENGL 327	Romanticism in England	3
ENGL 330	Elizabethan Literature	3
ENGL 350	Age of Chaucer	3
ENGL 356	Victorian Literature	3
One World Literature Course (3 credits)		
ENGL 321	Topics in World Literature	3
ENGL 227	Early Modern Dramatic Literature	3
ENGL 228	Modern Dramatic Literature	3
ENGL 230	Classical Drama of Greece & Rome	3
ENGL 250	Portugal Brazil North America: Stories of Migration	3
ENGL 318	Postcolonial Literature	3
ENGL 322	Middle Eastern Literature: Writing Beyond Modernity	3
ENGL 323	World Poetry of 20th Century	3
ENGL 324	Irish Literature	3
ENGL 329	Contemporary World Literature	3
ENGL 342	Asian Literature	3
ENGL 351	African & Caribbean Women Writers	3
ENGL 352	Modern and Contemporary African Literature	3
Six English Electives (18 credits)		
Select six ENGL courses numbered 201 or higher, for a total of 39 credits.		
ENGL 204	Modern American Literature	3
ENGL 205	Queer Literature	3
ENGL 208	The Novel and Film	3
ENGL 209	Children's & Young Adult Literature	3
ENGL 212	Murder in Literature	3
ENGL 214	Science Fiction	3
ENGL 215	Multiethnic US Literature	3
ENGL 218	The Short Story	3
ENGL 219	Making Literature Matter	3
ENGL 220	African American Literature	3
ENGL 226	Women in Literature	3
ENGL 227	Early Modern Dramatic Literature	3
ENGL 228	Modern Dramatic Literature	3

ENGL 230	Classical Drama of Greece & Rome	3
ENGL 231	The Short Novel	3
ENGL 235	Reading Hip Hop	3
ENGL 247	Literature of the City	3
ENGL 255	Cut, Copy, Paste: Creative Approaches to Writing and Design	3
ENGL 270	Fiction Workshop	3
ENGL 301	Narrative Workshop	3
ENGL 303	The Novel	3
ENGL 305	African American Women Writers	3
ENGL 306	Modern Poetry	3
ENGL 307	American Theatre	3
ENGL 308	Satire	3
ENGL 309	Epic	3
ENGL 310	Early British Theatre	3
ENGL 312	Early American Literature	3
ENGL 313	Stories of Teaching & Learning: Narratives of Education	3
ENGL 317	Literature and Philosophy	3
ENGL 318	Postcolonial Literature	3
ENGL 319	The Triangle Shirtwaist Factory Fire	3
ENGL 322	Middle Eastern Literature: Writing Beyond Modernity	3
ENGL 323	World Poetry of 20th Century	3
ENGL 324	Irish Literature	3
ENGL 326	Eighteenth-Century British Literature	3
ENGL 327	Romanticism in England	3
ENGL 328	Literature of the Crusades	3
ENGL 329	Contemporary World Literature	3
ENGL 330	Elizabethan Literature	3
ENGL 331	Shakespeare I	3
ENGL 332	Shakespeare II	3
ENGL 340	Survey of U.S. Writers of Latin-American Descent	3
ENGL 341	History of the English Language	3
ENGL 342	Asian Literature	3
ENGL 343	Linguistics: Language, Culture & Communication	3
ENGL 344	Creative Writing in a Digital Age: Remediation, Sampling, Journaling, and Mixed Media Appropriation	3
ENGL 345	Literature of Genocide	3
ENGL 346	American Romanticism	3
ENGL 347	American Realism and Naturalism: 1865-1890	3
ENGL 349	Special Topics in Creative Writing	3
ENGL 350	Age of Chaucer	3
ENGL 351	African & Caribbean Women Writers	3
ENGL 352	Modern and Contemporary African Literature	3
ENGL 353	Mythical Themes in Literature	3
ENGL 354	The Craft of Narrative	3
ENGL 355	The Craft of Poetry	3
ENGL 356	Victorian Literature	3
ENGL 359	Grammar and Usage	3
ENGL 363	Single Author Study	3
ENGL 372	Advanced Expository Writing	3
ENGL 376	Poetry Workshop	3
ENGL 383	Playwriting Workshop	3
ENGL 385	Voice & Diction	3
ENGL 386	Memoir Workshop	3
ENGL 389	Literature of the Palestine–Israel Conflict	3
ENGL 390	The Craft of Prose	3
ENGL 392	The Craft of Memoir	3
ENGL 395	Creative Nonfiction Workshop	3
ENGL 398	Video Game Writing Workshop	3
ENGL 399	The Craft of Video Game Writing	3
ENGL 400	Writing Internship	3
ENGL 403	Literature and Psychology	3
ENGL 409	Literary Theory	3
ENGL 410	Thematic Studies	3
ENGL 420	Major Cultural Conflicts in Literature	3

Notes:

• ENGL 213 should be taken in the first semester of the major and ENGL 219 in the first or second semester; ENGL 412 should be taken in the final year of classes.
• A maximum of six 200-level courses, including 213 and 219, may be applied to the major.
• Only courses in which a grade of C or higher is earned will be applied to the major.

Sophomore		
Semester 1		**Credits**
ENGL 213	Introduction to the Study of Literature	3
ENGL 219	Making Literature Matter	3
	Credits	**6**
Semester 2		
American Literature Course		3
ENGL Major Elective 201+		3
	Credits	**6**
Junior		
Semester 1		
World Literature Course		3
ENGL Major Elective 201+		3
	Credits	**6**
Semester 2		
British Literature Course		3
ENGL Major Elective 201+		3
ENGL Major Elective 201+		3
	Credits	**9**
Senior		
Semester 1		
ENGL Major Elective 301+		3
ENGL Major Elective 301+		3
	Credits	**6**

Semester 2		
ENGL 412	Capstone Seminar in English	3
Single Author Course		3
	Credits	**6**
	Total Credits	**39**

Student Learning Outcomes

Upon completion of the Literature BA program, students will be able to:

1. Summarize texts written in a variety of modes, styles, and discourses.
2. Paraphrase texts written in a variety of modes, styles, and discourses.
3. Perform close reading of literary works with attention to their formal features.
4. Construct explication of texts written in a variety of literary modes.
5. Analyze, synthesize, and integrate secondary materials into original analysis, interpretation, or argument.

English—Literature, Minor*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The minor in English consists of six courses (18 credits) with a concentration in either Literature or Creative Writing. Students minor in English by completing 18 credits in English courses numbered 200 or higher. Students pursuing a minor in English must work closely with a faculty advisor to design a coherent program.

Code	Title	Credits
Required		
ENGL 213	Introduction to the Study of Literature [1]	3
Restricted Electives		
Students must take at least 9 credits from the following:		9
Period Specific Literature Courses:		
ENGL 204	Modern American Literature	3
ENGL 207	Modern British Literature	3
ENGL 312	Early American Literature	3
ENGL 326	Eighteenth-Century British Literature	3
ENGL 327	Romanticism in England	3
ENGL 330	Elizabethan Literature	3
ENGL 346	American Romanticism	3
ENGL 347	American Realism and Naturalism: 1865-1890	3
ENGL 350	Age of Chaucer	3
ENGL 356	Victorian Literature	3
Literature Electives:		
ENGL 205	Queer Literature	3
ENGL 209	Children's & Young Adult Literature	3
ENGL 214	Science Fiction	3
ENGL 215	Multiethnic US Literature	3
ENGL 218	The Short Story	3
ENGL 219	Making Literature Matter	3
ENGL 220	African American Literature	3
ENGL 226	Women in Literature	3
ENGL 227	Early Modern Dramatic Literature	3
ENGL 228	Modern Dramatic Literature	3
ENGL 230	Classical Drama of Greece & Rome	3
ENGL 231	The Short Novel	3
ENGL 303	The Novel	3
ENGL 305	African American Women Writers	3
ENGL 306	Modern Poetry	3
ENGL 307	American Theatre	3
ENGL 308	Satire	3
ENGL 309	Epic	3
ENGL 310	Early British Theatre	3
ENGL 313	Stories of Teaching & Learning: Narratives of Education	3
ENGL 318	Postcolonial Literature	3
ENGL 322	Middle Eastern Literature: Writing Beyond Modernity	3
ENGL 323	World Poetry of 20th Century	3
ENGL 324	Irish Literature	3
ENGL 328	Literature of the Crusades	3
ENGL 329	Contemporary World Literature	3
ENGL 331	Shakespeare I	3
ENGL 332	Shakespeare II	3
ENGL 340	Survey of U.S. Writers of Latin-American Descent	3
ENGL 342	Asian Literature	3
ENGL 345	Literature of Genocide	3
ENGL 351	African & Caribbean Women Writers	3
ENGL 352	Modern and Contemporary African Literature	3
ENGL 353	Mythical Themes in Literature	3
ENGL 363	Single Author Study	3
ENGL 389	Literature of the Palestine–Israel Conflict	3
ENGL 409	Literary Theory	3
ENGL 410	Thematic Studies	3
ENGL 420	Major Cultural Conflicts in Literature	3
LATI 210	Latin American Novels as History	3
Electives		
The remaining six credits may be earned in any English courses at the 200 level or above with the exception of General Education courses and English 200. These include courses in literature, creative writing, or language studies. See course catalog for the full list.		6
Total Credits		**18**

[1] Students may take one of the English Department's General Education courses in lieu of ENGL213. This course should be taken early in a student's minor, preferably in the first semester.

English—Teacher Certification Elementary Education (K-6), B.A.

Students following the Education concentration acquire the skills and knowledge base in literature, language, and writing that prepare them for careers in education. Building on the foundations of English 213 and 219, in which fundamental skills and practices of reading and writing about literature are cultivated, students encounter some of the intellectual and cultural issues in the fields of British, American, and World literature in English 314, 316, and 321. Students then practice their reading skills and deepen the knowledge developed in this core in five additional courses: a seminar devoted to the study of a single author, Children's and Young Adult Literature, a writing course, a course on the English language, and three free electives that allow students to explore specific literary genres and themes or investigate the writing of particular communities and historical periods. Finally, in English 412, the Capstone Seminar, students interrogate a critical issue current in literary studies by completing a research essay of publishable quality and length.

Code	Title	Credits
Required Courses		
ENGL 209	Children's & Young Adult Literature	3
ENGL 213	Introduction to the Study of Literature	3
ENGL 219	Making Literature Matter	3
ENGL 314	Topics in American Literature	3
ENGL 316	Topics in British Literature	3
ENGL 321	Topics in World Literature	3
ENGL 412	Capstone Seminar in English	3
Restricted Electives		
One Single Author Course:		
ENGL 331	Shakespeare I	3
ENGL 332	Shakespeare II	3
ENGL 363	Single Author Study	3
One Language Course:		
ENGL 341	History of the English Language	3
ENGL 343	Linguistics: Language, Culture & Communication	3
ENGL 359	Grammar and Usage	3
One Major Creative Writing Course		
ENGL 301	Narrative Workshop	3
ENGL 349	Special Topics in Creative Writing	3
ENGL 376	Poetry Workshop	3
ENGL 383	Playwriting Workshop	3
ENGL 386	Memoir Workshop	3
ENGL 395	Creative Nonfiction Workshop	3
ENGL 354	The Craft of Narrative	3
ENGL 355	The Craft of Poetry	3
ENGL 390	The Craft of Prose	3
ENGL 392	The Craft of Memoir	3
Electives		
Select three literature courses from the following for a total of 39 credits:		
ENGL 204	Modern American Literature	3
ENGL 205	Queer Literature	3
ENGL 209	Children's & Young Adult Literature	3
ENGL 214	Science Fiction	3
ENGL 215	Multiethnic US Literature	3
ENGL 218	The Short Story	3
ENGL 219	Making Literature Matter	3
ENGL 220	African American Literature	3
ENGL 226	Women in Literature	3
ENGL 227	Early Modern Dramatic Literature	3
ENGL 228	Modern Dramatic Literature	3
ENGL 230	Classical Drama of Greece & Rome	3
ENGL 231	The Short Novel	3
ENGL 303	The Novel	3
ENGL 305	African American Women Writers	3
ENGL 306	Modern Poetry	3
ENGL 307	American Theatre	3
ENGL 308	Satire	3
ENGL 309	Epic	3
ENGL 310	Early British Theatre	3
ENGL 312	Early American Literature	3
ENGL 313	Stories of Teaching & Learning: Narratives of Education	3
ENGL 318	Postcolonial Literature	3
ENGL 322	Middle Eastern Literature: Writing Beyond Modernity	3
ENGL 323	World Poetry of 20th Century	3
ENGL 324	Irish Literature	3
ENGL 326	Eighteenth-Century British Literature	3
ENGL 327	Romanticism in England	3
ENGL 328	Literature of the Crusades	3
ENGL 329	Contemporary World Literature	3
ENGL 330	Elizabethan Literature	3
ENGL 331	Shakespeare I	3
ENGL 332	Shakespeare II	3
ENGL 340	Survey of U.S. Writers of Latin-American Descent	3
ENGL 342	Asian Literature	3
ENGL 347	American Realism and Naturalism: 1865-1890	3
ENGL 350	Age of Chaucer	3
ENGL 351	African & Caribbean Women Writers	3
ENGL 352	Modern and Contemporary African Literature	3
ENGL 353	Mythical Themes in Literature	3
ENGL 356	Victorian Literature	3
ENGL 363	Single Author Study	3
ENGL 389	Literature of the Palestine–Israel Conflict	3
ENGL 409	Literary Theory	3
ENGL 410	Thematic Studies	3
ENGL 420	Major Cultural Conflicts in Literature	3
Total		**39**

Notes and Policies:

- Please see the catalog page for the BA in Elementary Education with Literacy Focus (https://catalog.njcu.edu/undergraduate/

education/elementary-secondary/arts-elementary-education-k6-literacy-focus/) for required education coursework.

- Only courses in which a grade of C or higher is earned will be applied to the major.
- Students should complete ENGL 213 (Introduction to the Study of Literature) within the first semester in the major and ENGL 219 (Making Literature Matter) within the first or second semester, and must enroll in ENGL 412 (Senior Capstone Seminar) in their final year of classes.
- Majors may not take more than six 200-level courses, including English 213 and 219.

Please see the catalog page for the BA in Elementary Education with Literacy Focus (https://catalog.njcu.edu/undergraduate/education/elementary-secondary/arts-elementary-education-k6-literacy-focus/) for required education coursework.

Upon completion of the Teacher Certification Elementary Education (K-6) B.A. program, students will be able to:

1. Summarize texts written in a variety of modes, styles, and discourses.
2. Paraphrase texts written in a variety of modes, styles, and discourses.
3. Perform close reading of literary works with attention to their formal features.
4. Construct explication of texts written in a variety of literary modes.
5. Analyze, synthesize, and integrate secondary materials into original analysis, interpretation, or argument.

English—Teacher Certification Secondary Education (K-12), B.A.

Students following the Education concentration acquire the skills and knowledge base in literature, language, and writing that prepare them for careers in education. Building on the foundations of English 213 and 219, in which fundamental skills and practices of reading and writing about literature are cultivated, students encounter some of the intellectual and cultural issues in the fields of British, American, and World literature in English 314, 316, and 321. Students then practice their reading skills and deepen the knowledge developed in this core in five additional courses: a seminar devoted to the study of a single author, Children's and Young Adult Literature, a writing course, a course on the English language, and three free electives that allow students to explore specific literary genres and themes or investigate the writing of particular communities and historical periods. Finally, in English 412, the Capstone Seminar, students interrogate a critical issue current in literary studies by completing a research essay of publishable quality and length.

Code	Title	Credits
Required Courses		**12**
ENGL 209	Children's & Young Adult Literature	3
ENGL 213	Introduction to the Study of Literature	3
ENGL 219	Making Literature Matter	3
ENGL 412	Capstone Seminar in English	3
One American Literature Course		
ENGL 314	Topics in American Literature	3
ENGL 204	Modern American Literature	3
ENGL 215	Multiethnic US Literature	3
ENGL 220	African American Literature	3
ENGL 305	African American Women Writers	3
ENGL 307	American Theatre	3
ENGL 312	Early American Literature	3
ENGL 315	American Folklore	3
ENGL 340	Survey of U.S. Writers of Latin-American Descent	3
ENGL 346	American Romanticism	3
ENGL 347	American Realism and Naturalism: 1865-1890	3
One British Literature Course		
ENGL 316	Topics in British Literature	3
ENGL 207	Modern British Literature	3
ENGL 326	Eighteenth-Century British Literature	3
ENGL 327	Romanticism in England	3
ENGL 330	Elizabethan Literature	3
ENGL 350	Age of Chaucer	3
ENGL 356	Victorian Literature	3
One World Literature Course		
ENGL 321	Topics in World Literature	3
ENGL 227	Early Modern Dramatic Literature	3
ENGL 228	Modern Dramatic Literature	3
ENGL 230	Classical Drama of Greece & Rome	3
ENGL 250	Portugal Brazil North America: Stories of Migration	3
ENGL 318	Postcolonial Literature	3
ENGL 322	Middle Eastern Literature: Writing Beyond Modernity	3
ENGL 323	World Poetry of 20th Century	3
ENGL 324	Irish Literature	3
ENGL 329	Contemporary World Literature	3
ENGL 342	Asian Literature	3
ENGL 351	African & Caribbean Women Writers	3
ENGL 352	Modern and Contemporary African Literature	3
Restricted Electives		**6**
One Single Author Course:		
ENGL 331	Shakespeare I	3
ENGL 332	Shakespeare II	3
ENGL 363	Single Author Study	3
One Language Course:		
ENGL 191	History of Writing and Reading	3
ENGL 341	History of the English Language	3
ENGL 343	Linguistics: Language, Culture & Communication	3
ENGL 359	Grammar and Usage	3
ENGL 400	Writing Internship	3
One Major Creative Writing Course:		
ENGL 301	Narrative Workshop	3
ENGL 349	Special Topics in Creative Writing	3
ENGL 376	Poetry Workshop	3
ENGL 383	Playwriting Workshop	3
ENGL 386	Memoir Workshop	3
ENGL 395	Creative Nonfiction Workshop	3
ENGL 354	The Craft of Narrative	3

ENGL 355	The Craft of Poetry	3
ENGL 390	The Craft of Prose	3
ENGL 392	The Craft of Memoir	3
Electives		
Select 3 courses from the following:		
ENGL 204	Modern American Literature	3
ENGL 205	Queer Literature	3
ENGL 209	Children's & Young Adult Literature	3
ENGL 214	Science Fiction	3
ENGL 215	Multiethnic US Literature	3
ENGL 218	The Short Story	3
ENGL 219	Making Literature Matter	3
ENGL 220	African American Literature	3
ENGL 226	Women in Literature	3
ENGL 227	Early Modern Dramatic Literature	3
ENGL 228	Modern Dramatic Literature	3
ENGL 230	Classical Drama of Greece & Rome	3
ENGL 231	The Short Novel	3
ENGL 303	The Novel	3
ENGL 305	African American Women Writers	3
ENGL 306	Modern Poetry	3
ENGL 307	American Theatre	3
ENGL 308	Satire	3
ENGL 309	Epic	3
ENGL 312	Early American Literature	3
ENGL 313	Stories of Teaching & Learning: Narratives of Education	3
ENGL 318	Postcolonial Literature	3
ENGL 322	Middle Eastern Literature: Writing Beyond Modernity	3
ENGL 323	World Poetry of 20th Century	3
ENGL 324	Irish Literature	3
ENGL 326	Eighteenth-Century British Literature	3
ENGL 329	Contemporary World Literature	3
ENGL 330	Elizabethan Literature	3
ENGL 331	Shakespeare I	3
ENGL 332	Shakespeare II	3
ENGL 340	Survey of U.S. Writers of Latin-American Descent	3
ENGL 342	Asian Literature	3
ENGL 345	Literature of Genocide	3
ENGL 346	American Romanticism	3
ENGL 347	American Realism and Naturalism: 1865-1890	3
ENGL 350	Age of Chaucer	3
ENGL 351	African & Caribbean Women Writers	3
ENGL 352	Modern and Contemporary African Literature	3
ENGL 353	Mythical Themes in Literature	3
ENGL 356	Victorian Literature	3
ENGL 363	Single Author Study	3
ENGL 389	Literature of the Palestine–Israel Conflict	3
ENGL 409	Literary Theory	3
ENGL 410	Thematic Studies	3
ENGL 420	Major Cultural Conflicts in Literature	3
Total		**39**

Notes and Policies:

- Please see the BA in Secondary Education (https://catalog.njcu.edu/undergraduate/education/elementary-secondary/secondary-education-co-major-arts-sciences-k-12-certification/) catalog page for required education coursework.
- Only courses in which a grade of C or higher is earned will be applied to the major.
- Students should complete ENGL 213 (Introduction to the Study of Literature) within the first semester in the major and ENGL 219 (Making Literature Matter) within the first or second semester, and must enroll in ENGL 412 (Senior Capstone Seminar) in their final year of classes.
- Majors may not take more than six 200-level courses, including English 213 and 219.

Please see the BA in Secondary Education (https://catalog.njcu.edu/undergraduate/education/elementary-secondary/secondary-education-co-major-arts-sciences-k-12-certification/) catalog page for required education coursework.

Upon completion of the Teacher Certification Secondary Education (K-12) B.A. program, students will be able to:

1. Summarize texts written in a variety of modes, styles, and discourses.
2. Paraphrase texts written in a variety of modes, styles, and discourses.
3. Perform close reading of literary works with attention to their formal features.
4. Construct explication of texts written in a variety of literary modes.
5. Analyze, synthesize, and integrate secondary materials into original analysis, interpretation, or argument.

History, Philosophy and Religion

Karnoutsos Hall, Room 505
201-200-3251

The History, Philosophy and Religion Department (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/history-philosophy-and-religion) offers comprehensives programs in history and philosophy. Both programs prepare students to become critical and reflective thinkers, creative problem solvers, strong communicators, and informed citizens who add significant value to their workplaces and communities. Our programs help prepare students for a variety of careers or graduate study.

The department is an inclusive community that encourages students to ask fundamental questions about their world. Our full-time and adjunct faculty members create a welcoming environment conducive to deep reflection and vibrant discussion. They are truly passionate about the disciplines and are committed to helping students succeed. The Department sponsors the Rho Rho Chapter of Phi Alpha Theta National History Honor Society.

Jacob A. Zumoff, Chairperson
Associate Professor of History
Rutgers University, B.A.; University of London, Ph.D.

John Bragg (jbragg@njcu.edu)
Associate Professor of History
University of Evansville, B.A.; University of Wisconsin, M.A., Ph.D.

Jacqueline Ellis (jellis@njcu.edu)
Professor of History
University of Hull, B.A., Ph.D.

Jason Martinek (jmartinek@njcu.edu)
Associate Professor of History (Currently Assistant Provost for Faculty and Staff Development)
Hiram College, B.A.; Indiana State University, M.A.; Carnegie Mellon University, M.A., Ph.D.

Scott O'Connor (https://catalog.njcu.edu/undergraduate/arts-sciences/philosophy-religion/soconnor@njcu.edu)
Associate Professor of Philosophy and Religion (Currently Assistant Provost for Academic Programming)
Trinity College, Dublin, B.A.; Christ Church, University of Oxford, B.Phil.; Cornell University, Ph.D.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- History, B.A. (p. 117)
- History, Minor (p. 118)
- History—Social Studies (Teacher Certification), B.A. (p. 119)
- Philosophy, B.A. (p. 120)
- Philosophy and Religion, Minor (p. 122)

History (HIST) Courses

HIST 1XX History Transfer Credit (0 Credits)

HIST 2XX History Transfer Credit (0 Credits)

HIST 114 Immigration In American History (3 Credits)
This course is a study and analysis of the impact of immigration on the development of the modern US. The experiences and contributions of immigrant/ethnic groups will be stressed. (Cross listed with Ethnic and Immigration Studies.)

HIST 115 The Asian-American Experience (3 Credits)
This introductory survey deals with Asian-Americans, particularly immigration and countries of origin; problems encountered; integration into the broader American society; relations with other ethnic groups; achievements and aspirations. (Cross listed with Ethnic and Immigration Studies.)

HIST 131 Metropolitan New York (3 Credits)
This course examines the history of NYC and its surroundings, beginning with Native Americans and ending with 9/11. Focusing on topography, trade, and transit, this history course challenges students to think regionally using G.I.S. software. Students will engage with rich primary sources representing women, Native-Americans, African-Americans, immigrants, and many others.

HIST 133 Cranks, Critics, and Communards (3 Credits)
This course looks at various efforts to create and live the perfect life. Were the people behind these efforts cranks and weirdos? Absolutely. But their nonconformity and critique of materialism gives us a chance to reflect on what it means to be happy and live on one's own terms.

HIST 150 American History to 1865 (3 Credits)
This course is a study of the United States from colonization through the Civil War period emphasizing the diplomatic, political, economic and social achievements of each. (Cross-listed with Political-Science.)

HIST 152 American History since 1865 (3 Credits)
As a continuation of American History to 1865, this course looks at the United States from the post-Civil War period to the present day emphasizing political, economic and social developments. (HIST 150 is not a pre-requisite for HIST 152.)

HIST 154 U.S. Women's History (3 Credits)
The role and status of women in U.S. society from the colonial period to the current women's movement, with the emphasis on women's contributions to and participation in the various national social institutions is studied in this course. (Cross-listed with Women's and Gender Studies.)

HIST 156 Western Civilization 1648 (3 Credits)
This course surveys major topics in western civilization from the fall of the Western Roman Empire to the Treaties of Westphalia. Readings from original documents are also utilized.

HIST 160 Europe in the 20th Century (3 Credits)
Aspects of European history from 1648 to the outbreak of World War I, especially as they relate to the "Westernization" of the world are examined in this course. Particular emphasis is placed on the scientific, intellectual, industrial and political revolutions. (Cross-listed with Political Science)

HIST 162 Introduction to Latin American Civilization (3 Credits)
This course offers a survey of the colonial and national periods in Spanish America and Brazil. Also studied are Indigenous civilizations, their overthrow by conquest, the rise of new economies, the wars of liberalization, the civil wars and the problems of modernization. (Cross-listed with Latin American, Caribbean and Latino)

HIST 164 Introduction to African Civilizations (3 Credits)
A survey of the vast mosaic of African civilizations of Ancient Egypt and the Sudan as well as sub-Saharan Africa is presented in this course. Special emphasis is placed on those aspects of African Civilizations that have had the greatest effects on modern Africa and the larger world. (Cross-listed with AFRO 164)

HIST 166 Introduction to East Asian Civilizations (3 Credits)
This course is a survey of some of the major historical and cultural developments in East Asia. The focus is on China and its influence on as Japan, Korea, and Southeast Asia.

HIST 168 Middle East, Past and Present (3 Credits)
A cultural, political and historical approach is used to explore this vital region. Topics include selected ancient civilizations, the Byzantine period, the rise of Islam, and specific studies of modern Turkey, Iran, Israel and Egypt.

HIST 202 Renaissance and Reformation (3 Credits)
The beginning of modern Western civilization as seen in such developments as recovery of classical culture, the crisis of the church, the establishment of nation-states, and the origins of modern science.

HIST 203 History through Film (3 Credits)
A selected - topics approach to studying history utilizing the visual in the form of film as the primary medium is used in this course. The historic content of feature films, documentaries, newsreels and videotapes are subjected to criticism and methodology.

HIST 205 Ancient Civilizations (3 Credits)
A selective coverage of those ancient civilizations that have had the greatest influence on the development of Western and modern world civilization - including Mesopotamia, Egypt, Greece and Rome - is offered in this course.

HIST 209 History of Punishment (3 Credits)
Against its European background this course examines the changing nature of crime and punishment from colonial America to the present. Special emphasis is on penal institutions and the effect of environment upon personality.

HIST 211 American Military History (3 Credits)
The American military experience from the colonial period to the present is studied in this course. Emphasis is placed on the changing relationship between military policy, organization and technology and the nation's political, social and economic institution.

HIST 212 History of New Jersey (3 Credits)
The History of New Jersey is a survey of the history of the state and its people from the colonial era to the present. Political, economic and social events of the state are emphasized as well as its development.

HIST 213 Select Topic in American History: (3 Credits)
In this course, students will look at American history through a specific thematic lens. In the past, instructors have examined the history of 9/11, American popular culture, and the concept of self-help.

HIST 215 World War II: Pacific and Asia (3 Credits)
This course is a survey of World War II with emphasis on the war between the United States and Japan. Political, diplomatic, and military events are emphasized in conjunction with important social topics such as the American homefront, the role of minorities and women, and the use of nuclear weapons.

HIST 216 World War II: Europe (3 Credits)
World War II: Europe and North Africa is a survey of World War II with emphasis on the involvement of the United States, total war and the Holocaust. Political, diplomatic and military events will be emphasized in conjunction with important social topics such as the American homefront, the role of minorities and women.

HIST 225 Introduction to Public History (3 Credits)
How do academic historians reach the broader public? How successful are their efforts? What goes into creating museum exhibits? This course addresses these questions. It blends traditional lecture and discussion with an experiential component, providing students with a hands-on opportunity to create their own museum - quality exhibit.
Pre-Requisite(s): Declared History Major/Minor +9 credits of history courses

HIST 229 The Long 1960s: A History (3 Credits)
In this course students will engage with the turbulent history of the long 1960s, beginning with the Cuban Revolution and JFK, and concluding with Richard Nixon and America's failure in Vietnam. Students will analyze the Civil Rights movement, counterculture, environmentalism, popular culture, politics, youth protest, women's history, and lesbian/gay history.

HIST 231 The US in the World (3 Credits)
What happens in the United States affects people, governments and institutions outside the nation. The reverse is also true. This course explores the value of a global approach to US history, especially in terms of political democracy, capitalism, and human rights.

HIST 233 World History: 1400 CE to Present (3 Credits)
This course explores globalization as a cultural interchange subject to divergence, convergence, contagion, and systemization. Students will build empathy skills and detect biases in sources through close reading of sources and historical inquiry. The subject matter of the course will balance regional developments in the “Global South” (Latin America, Africa, the Middle East and Asia) with events in Europe and North America. In emphasizing the interconnected of these places, students will gain greater understanding of the historical processes behind the creation of the contemporary world.

HIST 245 Cities in History (3 Credits)
In this course students will analyze case studies of ancient, Greek and Roman, medieval, renaissance, imperial, industrial and global cities. Spanning continents and centuries, and case-study cities correlating to the instructor's expertise, this course helps students explore city influence through natural resources, cultural and political imperialism, economics, and natural disasters.

HIST 255 The Emergence of Modern Europe (3 Credits)
This course is an examination of European history from 1648 through World War I with particular emphasis on revolutionary changes in politics, science, intellectual currents and industry. The "isms" of the nineteenth century, liberalism, socialism, feminism, nationalism and imperialism will be considered.

HIST 305 Civil War and Reconstruction (3 Credits)
A topical approach is used not only to understand the main developments of these significant US historic events but also to comprehend their larger role in shaping subsequent US History, socially, politically, and economically.

HIST 307 History of Modern Russia (3 Credits)
In this survey of Russian history from Tsar Alexander I (1801-1825) to the present, continuity and changes between the Tsarist autocratic and the Soviet totalitarian systems are examined and analyzed as well as selected political, cultural, socio-economic and intellectual themes.

HIST 308 The West in American History (3 Credits)
This course is a study of the more important political, social and cultural developments in US history that had their primary origins in the American west, especially the frontier. Emphasis is on those values and traditions that have become part of American culture.

HIST 309 History of Modern France (3 Credits)
A cultural and political approach is used to study the main themes of French history from the accession of Francis I (1515) to the suppression of the Commune (1871)—the period of the zenith of French power and influence.

HIST 310 Diplomatic History of the United States (3 Credits)
This course presents a topical and chronological examination of US diplomacy from the early Federalist period to the present, stressing such aspects that have affected the transition of the US from a regional to a global power.

HIST 311 History of Modern Germany (3 Credits)
This course offers an in-depth coverage of less than century of German history - a century that has changed the course of Western and world history: from the beginning of the movement toward national unity in 1848 to the collapse of Hitler’s "Thousand Year Empire" in 1945.

HIST 312 Political Dissent in Modern America (3 Credits)
This comparative study explores some of the more vocal and even violent voices and movements of dissent in the US largely from the post-Civil War period - ranging from the far right to the far left. Extensive videotapes and speakers are used in this course.

HIST 313 Urban America: The City in American History (3 Credits)
A historical examination of the rise of the City in the United States, from the infant cities of the seventeenth century to the metropolis of the present.

HIST 316 American Sports History (3 Credits)
An examination of the origins, development and changing nature of contemporary American sports, including the roles of violence, the fan, commercialism, ethics, amateurism, and professionalism is presented in this course. (Cross-listed with Sports and Leisure Studies)

HIST 318 History and Culture: Cuba and Puerto Rico (3 Credits)
A survey approach to the histories and cultures of these two Caribbean states from their establishment as colonies to their present-day status. Particular emphasis will be placed on the role of great power and imperialism and their development. (Cross-listed with Latin American Studies).

HIST 319 Presidential Elections (3 Credits)
This course is offered on a rotation basis coinciding with the election of the U.S. President. Included is background history with the role of the Electoral College, the development of parties, the influence of pressure groups and partisan politics.

HIST 321 Colonial America (1550-1789) (3 Credits)
This survey explores the major political, social, economic, and intellectual developments in America from the early colonial settlements through the making of the Constitution. The emphasis is on formative institutions.

HIST 322 Early America (3 Credits)
This course surveys the early national period from the launching of the new nation under the 1789 Constitution through the Age of Jackson. The emphasis is placed on the beginnings of American politics, diplomacy, social reforms and westward movement.

HIST 323 American Industry and Empire (3 Credits)
This course examines the turbulent and productive period from the end of the Civil War through World War I -a period which shaped much of the modern American ideology.

HIST 324 Twentieth Century America (1945 to Present) (3 Credits)
This is a survey of postwar American history, including the Cold War, the 1960s, the Civil Rights movement and political developments of the mid and late twentieth century.

HIST 326 The Age of Jackson (3 Credits)
This course will examine the political, social, and economic changes that took place during the presidency of Andrew Jackson.

HIST 329 Progressivism (3 Credits)
Study and critical analysis of the political, economic, social, and religious developments in the US from the post-Civil War period to World War I, such as populism, social gospel, social Darwinism, university settlement movement, suffrage movement and progressive reform.

HIST 330 Early England (3 Credits)
This course is a study of England from the time of the Celts to the War of the Roses; Medieval England will be emphasized. Political, social, and cultural themes will be examined through the lens of primary sources.

HIST 331 History of the Dominican Republic (3 Credits)
The course will examine the historical development of the Dominican Republic and its neighbor Haiti from the Pre-Columbian era to the 21st century; focus will be on the nineteenth and twentieth centuries. Emphasis will be placed on European colonialism, slavery, United States' intervention and the rise of dictatorship.

HIST 332 History of Modern England (3 Credits)
The significance of the political, social, and cultural factors that have shaped English society and character in its transformation to an industrial democracy are is studied.

HIST 333 The History of Mexico (3 Credits)
Through this course students will gain an appreciation of the development of Mexican society. It challenges simplistic concepts of Mexico, analyzing diverse influences and sources of society, including indigenous cultures; Spanish colonialism; enslaved Africans and their descendants; and European immigrants. It will look at Mexico's relationship with the United States.

HIST 335 Modern India (3 Credits)
This course looks at major themes in Indian history from British colonialism in the 19th century to the reemergence of India as a global player in the 21st century.

HIST 338 History of Ireland (3 Credits)
This course will analyze the major political, social, economic, and cultural movements of Ireland from the medieval period to the Twentieth Century.

HIST 345 Comparative Histories of Slavery in the Americas (3 Credits)
The course will examine the historical development of the institution of slavery in the Western Hemisphere from the Conquest until abolition in the late nineteenth century. Emphasis will be placed on variants of the institution among European colonies and the southern United States.

HIST 346 The Historian's Craft (3 Credits)
This course is required for all history majors. In it, students will sharpen their information literacy skills, hone research and writing abilities, and gain insight into some of the major historiographical debates that have had a profound influence on the shaping of the discipline.
Pre-Requisite(s): 9.0 credit hours of History courses

HIST 347 Making History (3 Credits)
Despite claims we live in an era of historical amnesia, attendance at museums and other historical sites has never been higher. This course covers the theory and practice of public history. It features a class project in which you will work with your colleagues to create a public history exhibit.
Pre-Requisite(s): 8 Gen Ed Courses across Tier 1 and Tier 2.

HIST 350 Making of the Middle Ages (3 Credits)
A study of the political, social, religious, intellectual and economic currents from the fall of Rome to the developed civilization of the High Middle Ages. Examined will be the conflict of cultures and the blending of the Roman heritage, Christianity and Germanic institutions into medieval civilization.

HIST 357 The Ottoman Empire (3 Credits)
This course explores the rich history, folklore, and culture of one of the world's largest and most influential empires. The course begins on the Central Asian steppe with the conversion of Turkic pastoralists to Islam and ends with the collapse of the empire at the end of World War I.

HIST 359 The Silk Road (3 Credits)
This course explores pre-modern globalization to 1500 CE by studying conquest and cultural exchange across the trade corridors of Eurasia. The effects of such trade were as much regional and local as intercontinental. Main themes include the interaction of nomadic and sedentary peoples, the spread of religions, and syncretism.

HIST 361 The Culture of the European Enlightenment (3 Credits)
This course addresses the revolutionary 18th century Enlightenment from Rousseau in France to Catherine the Great in Russia. Students will evaluate the Republic of Letters, the literary underground, and the Rococo as conduits of reason, reform, and freedom. This course will elucidate how philosophes questioned authority through print and image.

HIST 363 Medieval Heritage (3 Credits)
This course explores the political, social, economic, and intellectual developments of Europe between 1050 and 1350. Topics include the emergence of national monarchies, the crisis of church and state, the crusades, and the evolution of the university.

HIST 364 Medieval Spains (3 Credits)
This course examines the history of Iberia from the Roman conquest to the reigns of Isabel and Fernando. Readings will focus on the interrelationships of Christians, Jews and Muslims, and the role of the frontier.

HIST 365 Boom and Bust, The US:1870-1940 (3 Credits)
This course examines the major economic changes that took place in American history from the rise of the modern corporation through the Great Depression. Students will not only learn about how and why these economic changes occurred, but the impact that they had on American society at all levels.

HIST 376 The Twentieth Century Middle East (3 Credits)
This course examines how Middle Eastern societies adapted to social, economic, and political changes from the Young Turk Revolution of 1908 to the Arab Spring. Major topics include World War I, the Israeli-Palestinian Conflict, Pan-Arabism, the Iranian Revolution, political Islamism, and developments in literature, law, art, and family life.

HIST 401 Intellectual History of US (3 Credits)
This course examines the values, institutions, ideas, and ideals held by the American people from the colonial period to the present. Recommended: Two previous courses in US History.

HIST 402 America Social History (3 Credits)
An interdisciplinary exploration of selected themes in U.S. social history such as religious experience as social phenomenon; patterns of political leadership in a democracy; the changing role of women and the family; the development of social structure and modes of response to racial and ethnic diversity.

HIST 418 Capstone Seminar (3 Credits)
An introduction to historiography, techniques of historical research and writing. Major historians of the West will be studied as well as the nature of historical change and recurrent problems of historical meaning and knowledge.
Pre-Requisite(s): Instructor's Permission

Philosophy and Religion (PHIL) Courses

PHIL 1XX Philosophy Transfer Credit (0 Credits)

PHIL 2XX Philosophy Transfer Credit (0 Credits)

PHIL 101 Philosophy: Persons & Problems (3 Credits)
This course is an introduction to the main issues in philosophy, such as good and evil, mind and body, life and death, justice and freedom, creation and evolution. The focus is on philosophical concepts and methods. Topics include: the nature of being and reality, the right and the good, knowledge and belief, personal identity, and beauty and truth.

PHIL 102 Critical Thinking (3 Credits)
Course introduces students to basic critical thinking skills. It discusses good and bad arguments, informed and uninformed beliefs, analyzes fallacies, distinguishes between deductive and inductive reasoning, and applied these skills to real-life cases. Analyzing readings about current issues, accessing online sources, and writing summaries and analyses complete the course.

PHIL 103 Contemporary Moral Issues (3 Credits)
This course is an exploration of the ways to distinguish right from wrong, good from bad and importance from triviality. It addresses conceptions of justice, views of human nature, and standards of moral judgment. Classical and contemporary ethical theories will be considered and applied to contemporary problems in politics, environmental policy, medicine, business, and personal relations.

PHIL 105 Issues in Religion (3 Credits)
This course is a philosophical examination of the nature and the significance of religious thought and practice. Topics include: the nature of faith, the role of reason, the ethical significance of religious belief, and the existence of God.

PHIL 106 Comparative Religion (3 Credits)
The objective of this course is to study the religions of the world: Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. The emphasis is on the origin of the universe, the concepts of divinity and the Supreme Being, the nature of ultimate reality, and visions of the good life.

PHIL 109 Bioethics (3 Credits)
In this course students study major ethical theories and apply them to moral issues in the life sciences. They discuss various topics important to the medical professions, patients, policy-makers, and philosophers, such as euthanasia, abortion, doctor patient relationship, stem cell research, and genetic modification of organisms.

PHIL 110 Mythology (3 Credits)
All cultures have created myths as ways of interpreting the whole of nature and the inner world of man. There is an affinity between civilizations transcending space and time. The origins of myths are buried in the shifting sands of time, but our present understanding of the significance of the myths establishes continuity. The insights in myths have found expression in art, literature, and philosophy. The central themes in mythology are: the origin of the cosmos, the conflict of good and evil, free will and destiny, and the quest for eternal Life.

PHIL 112 Bioethics and Technology (3 Credits)
This course explores advances in medicine and biology from an ethical perspective. A brief introduction to the major approaches ethics will be followed by an exploration of the bioethical topics such as cloning, stem cell research and genetics. With the expansion of research in cloning, stem cells, and genetic modification there is a pressing need to introduce students to the ethical consequences of this research in order to make informed and intelligent decisions.

PHIL 113 Environmental Ethics (3 Credits)
This course focuses on the ethical implications of current environmental issues such as climate change, recycling, farming practices, sustainable technologies, ecoliteracy, animal rights, and clean energy. It also asks 'what is nature?' and explores various answers that have been offered by ethicists, writers, and scientists.

PHIL 125 Ethics in Everyday Life (3 Credits)
This course introduces students to basic ethical reasoning. Starting out from real-life situations, students analyze ethical problems by conceptualizing the moral intuitions and beliefs they already possess. With the help of short philosophical readings, they develop methods of applying ethical theories to moral decision-making in their disciplines and own lives.

PHIL 135 World Religions (3 Credits)
This course introduces students to a cross-cultural study of major religious traditions, for example, Hinduism, Buddhism, Jainism, Sikhism, Taoism, Confucianism, Zoroastrianism, Judaism, Christianity and Islam. It presents a historically informed consideration of similarities and differences and transcultural structures that can be discerned from these traditions of religious life.

PHIL 140 The Examined Life (3 Credits)
This course teaches students to identify and evaluate those beliefs that guide their thoughts and actions. Reflecting on different sources, students identify those philosophical beliefs that play a role in their own lives. By developing their critical thinking skills, they learn how to clarify, systematize, and assess these beliefs.

PHIL 203 Philosophy of Religion (3 Credits)
A systematic philosophical examination of the major issues in religious experience and history, such as the problems of the relation of faith and reason, the nature and existence of God, morality and immorality, good and evil, and human values and destiny.

PHIL 204 Introduction to Logic (3 Credits)
This course will introduce students to the basic concepts and history of formal and Informal logic, with the aim of honing analytic and critical reasoning skills. At the heart of clear thinking is the ability to see and recognize logical form. As John Locke wrote. “Logic is the anatomy of thought.”.

PHIL 205 Metaphysics: Appearance and Reality (3 Credits)
This course probes the nature of ultimate reality. Topics include appearance versus reality, being and becoming, essence and existence, space and time. Is there knowledge beyond the reach of science? How can we know what really exists?.

PHIL 206 Epistemology: Theory of Knowledge (3 Credits)
Course examines the nature and the scope of knowledge. What does it mean to know, and what is the nature of truth? What can be known, and can we be justified in our beliefs about what goes beyond the evidence of our senses? Is all knowledge innate or acquired in experience? What are the grounds and the limits of knowledge?.

PHIL 207 Ethics (3 Credits)
This course is chiefly a study of moral concepts and principles. Topics include: happiness, friendship, virtue, intention, and duty. Ethics asks: Is there a supreme good that all rational beings seek? Are there universal moral values? What is the difference between judgments of value and judgments of fact?.

PHIL 208 Great Philosophers: Voices of Wisdom (3 Credits)
The course is a systematic study of the ideas of the great philosophers: Plato, Aristotle, Descartes, Locke, Hume, Kant, Hegel, Marx, and Nietzsche. Philosophy is a continuous dialogue about ideas of enduring interest, such as: truth, goodness, beauty, the nature of mind, the basis of right action, conceptions of happiness and the good life.

PHIL 215 On Love (3 Credits)
This course is a philosophical examination of the nature, aim and activity of love and desire. How does this most intimate of emotions shape us as moral agents? This course will explore why the object(s) of love inform one's identity as much as the way one loves.

PHIL 216 Aesthetics: Creativity & Imagination (3 Credits)
This course is concerned with theories of art and beauty, philosophical ideas within the various forms of art, and concepts in the interpretation of art: meaning, intention, style, purpose, and value. It addresses various ideas of art as representation of reality, imitation of appearances, significant form, and expression of feeling. Guest artists, visits to museums, and attendance at concerts are features of the course.

PHIL 217 Eastern Philosophy and Religion (3 Credits)
This course is a study of the historical development of philosophical ideas of India and China. The perspectives of Hinduism, Buddhism, Taoism, and Confucianism on the nature or reality, knowledge, and the moral life will be discussed. The main themes are the knowledge of ultimate reality, the cultivation of the individual life as the basis of harmony in the world, and being one with reality.

PHIL 226 Religion in the City: When Faith Encounters Urban Life (3 Credits)
This course examines the role of religion in urban environments through its formative impact on culture, political action, public policy, social relationships and institutions, and the media and society.

PHIL 227 Symbolic Logic (3 Credits)
This course is a study of the elements of formal logic. Topics are propositional and predicate logic, set theory, foundations of mathematics, and formal semantics. Readings include Frege, Russell, Goedel, and Tarski.
Pre-Requisite(s): PHIL 102

PHIL 231 The Philosophy of War and Peace (3 Credits)
This course explores historical and contemporary philosophical and religious perspectives on war and peace. It investigates philosophical, anthropological, religious, social and political reasons why the human species fights wars, critically examines traditional and contemporary views on the morality of war, and reflects on the possibility of peace.

PHIL 232 African(a) Philosophy (3 Credits)
This course introduces the histories and origins of African and Africana philoso- phies. It asks whether African(a) philosophy is a monolithic field of study. Issues covered include race, racialization, gender, identity, colonialism, morality, epistemology, and liberation. Major scholars and schools of African(a) philosophical thought are introduced and discussed.

PHIL 234 Ancient Philosophy (3 Credits)
This course provides a history of ancient Western philosophy covering the period from its first beginnings in the Pre-Socratics, through Socrates, Plato and Aristotle, to later Greek and Roman thought.

PHIL 235 Perspectives on Death (3 Credits)
The phenomenon of death is studied from the points of view of philosophy, religion, psychiatry, literature, and parapsychology.

PHIL 236 Philosophy of Mind (3 Credits)
This course introduces students to the philosophical study of mind. Students will learn how their unique psychologies play a role in distinguishing themselves from others, as well as consider how their psychologies are shaped by their environment and biology. The course also focuses on the relationship between mind and body.

PHIL 239 On Evil: Early Modern Philosophy (3 Credits)
This course examines the problem of evil in Western philosophical and religious traditions. Starting with an exploration of the classical roots of various conceptions of evil, it traces these conceptions through history, culminating in discussions of the pervasiveness of evil in reaction to modern experiences of war and genocide.

PHIL 240 Philosophy and Film (3 Credits)
This course combines the philosophical analysis of classical and contemporary films - popular as well as art-house - with the close reading of some seminal texts of the philosophical tradition, tracing the philosophical content of movies, but also thinking from a philosophical perspective about film as a medium that philosophizes on its own and film as an art form.

PHIL 244 Political and Social Philosophy (3 Credits)
A systematic study of the foundations and the history of political and social thought and practice. The topics include: the role of the state in the development of moral nature of man, the relation of the individual to society, forms of government, natural law, the internalization of social norms, political authority, and the values of representative government. Readings will be drawn from Plato, Aristotle, Cicero, Augustine, Aquinas, Machiavelli, Hobbes, and Locke.

PHIL 245 The Philosophy of Social Justice in the United States (3 Credits)
This course will provide an overview of social justice topics including: poverty, unemployment, the welfare state, racial discrimination, gender discrimination, and income inequality. The readings for the course will include contemporary philosophic, sociological, and economic writings. Contemporary data sources will also be utilized.

PHIL 246 Food, Philosophy, and Global Health (3 Credits)
Food, Philosophy and Global Health explores our relationship with food through the lens of philosophy. Using ethics, logic and critical thinking, we investigate current debates and examine how collective choices impact the health of the planet. Using these insights, we develop a community action program that empowers an underserved community.

PHIL 260 Philosophy of Education (3 Credits)
This course will introduce students to the essential concepts, precepts and methods of philosophy of education. Students will use these foundations to reflect on the basic aspects of human learning as well as become effective participants within the milieu of modern education.

PHIL 290 Myth, Magic, and Mysticism (3 Credits)
This course will focus on the search for meaning and value in mythological, magical, and mystical experiences. The origin, structure, function, and the genre of myth, magic, and mysticism will be studied in an interdisciplinary framework of philosophy, art, and religion. The significance of these topics in creating a synthesis of reason and imagination in individual and social sphere will be investigated.

PHIL 302 Philosophy of Technology (3 Credits)
Beginning with an introduction into the historical interplay of science and technology, this course analyzes the social, political, cultural and moral effects of modern technologies, such as bio-and-nano-technologies, or humanity from a philosophical perspective. It also studies the phenomenon of technology itself from an analytical-philosophical perspective.
Pre-Requisite: PHIL 125 and PHIL 140

PHIL 303 Existentialism and Phenomenology (3 Credits)
This course is an examination of the human predicament: What are we doing on this earth? If God does not exist, is everything permitted? Are we condemned to be free? Are anguish, dread, fear and trembling, and despair inescapable? Nietzsche, Kierkegaard, Jaspers, Marcel, Heidegger, and Sartre answer these questions in our survey of the origin and development of existentialism, and its impact on psychology, religion, literature, and the arts.

PHIL 313 Time: Interdisciplinary Perspectives (3 Credits)
The measuring of time is both essential to us and the societies we live in. But what exactly is it that we are measuring? This course introduces students to the interdisciplinary study of time. Readings will be drawn from historical and contemporary work in the social and natural sciences, philosophy, and literature.

PHIL 314 Great Philosophical Texts (3 Credits)
This course teaches the methods used by the historian of philosophy in the study of a great philosophical text. One text will be read in its entirety. Particular emphasis is placed on appropriate use of patterns of reasoning in reconstructing the text's argument and adjudicating philosophical interpretative problems about it.

PHIL 317 Philosophy and Literature (3 Credits)
This course is a study of philosophical ideas in literature and how literature gives visible from to truths discovered in philosophical reflection. Readings are drawn from Aeschylus, Sophocles, Plato, Aristotle, St. Augustine, Shakespeare, More, Hobbes, Pope, Blake, Kant, Keats, Tolstoy, Dostoevsky, and Sartre. Topics include truth, beauty, goodness, and free will.

PHIL 320 Philosophy of Psychology (3 Credits)
This course is a study of psychological theories, principles, and concepts bearing on the nature of the mind and its complex structures. The central questions are: Are thoughts and sensations related to neurological processes? Are mental states identical to brain events? Is there room for free will together with psychological causality? Responses to these questions elucidate the concept of the self and the continuity of consciousness, the problem of other minds, the nature of intention, perception, and cognition. The course involves an examination of the methodology of social, experimental, and cognitive psychology, as well as developments in cognitive science.

PHIL 324 Judaism, Christianity, and Islam (3 Credits)
An intensive and methodical study of the scriptural foundations, original doctrines, historical development, and the present status of Judaism, Christianity, and Islam.
Pre-Requisite: PHIL 135

PHIL 390 Pandemic Ethics (3 Credits)
This course examines ethical issues connected with the COVID-19 pandemic, including the fair allocation of medical resources, discrimination against minorities and the disabled, tensions between protecting senior citizens and allowing children to flourish, limitations on liberty, immunity passports, and various issues raised by vaccines.

PHIL 397 Animals and Philosophy (3 Credits)
This course investigates the way society's attitudes towards animals have changed during the last decade by making use of Thomas S. Kuhn's notion of paradigm shift. Students reflect upon changes in particular disciplines, such as cognitive sciences, and changing attitudes towards human use of animals in all spheres of society.
Pre-Requisite(s): ENGL 102 and 8 Gen Ed Courses across Tier 1 and Tier 2.

PHIL 401 Philosophy of Science (3 Credits)
An inquiry into the form and function of concepts, laws, and theories, and into the character of explanation and prediction in the natural and social sciences, and an examination of some philosophical problems concerning scientific knowledge and scientific method.
Pre-requisite: PHIL 204 or PHIL 205

PHIL 405 Advanced Seminar in Philosophy (3 Credits)
This seminar is an exploration of a central topic in metaphysics (i.e. being and reality), epistemology (truth and knowledge), ethics (the meaning of morality), or aesthetics (art and beauty).

PHIL 500 Selected Topics in Philosophy (3 Credits)
This course is an exploration of the great visions of the universe as articulated by ancient and contemporary thinkers. The readings represent a full range of perspectives and voices from all cultures. The topics for the course are intended to encourage a dialogue among diverse intellectual traditions and cultural heritages, with the aim of achieving a unified philosophical experience.

PHIL 510 Ethics Values & Society (3 Credits)
How can we arrive at a theory of justice, rights, and responsibilities which will give differing parts of the world with distinct needs and in stages of economic development and divergent goals, a meaningful role and participation in contributing to the whole? Exploring the ideas of justice, liberty, equality, law, responsibility, and rights across the boundaries of civilizations from ancient Mesopotamia, Egypt, India, China, and Greece, we trace the evolution of the central concerns in political thought which continue to shape the course of history.

PHIL 520 Contemporary Search for Meaning (3 Credits)
The search for truth and meaning spans human history and consists of the achievements of many minds. This continual pursuit has been referred to as "the perennial philosophy." The aim of this course is to inspire students to develop a sense of greater humanity and wholeness of self, and to cultivate intellectual autonomy. The readings are drawn from both philosophical and literary texts.

History, B.A.

NJCU's B.A. in history prepares students to become critical thinkers, strong communicators, and informed citizens who add significant value to their workplaces and communities. Our graduates go on to have careers in teaching, journalism, law, public relations, advertising, business, international relations, politics, library science, criminal justice, public history, and consulting. Our faculty is student-centered and passionate about bringing history to life.

Total Credit Hours: 36

Code	Title	Credits
Required Courses:		**3**
HIST 418	Capstone Seminar	3
Restricted Electives (Select a minimum of 3 credits from 2 of the following groups of regional history courses in Europe, Latin American, Africa, Middle East, or Asia):		**6**
Europe:		
HIST 156	Western Civilization 1648	3
HIST 160	Europe in the 20th Century	3
HIST 255	The Emergence of Modern Europe	3
Latin American:		
HIST 162	Introduction to Latin American Civilization	3
LATI 206	Cuba & Puerto Rico in History Perspective	3
Africa:		
AFRO 164	Introduction to African Civilizations	3
Middle East:		
HIST 168	Middle East, Past and Present	3
Asia:		
HIST 166	Introduction to East Asian Civilizations	3
History Electives (Select a minimum of 15 credits of upper level history courses numbered 300 or higher):		**15**
HIST 305	Civil War and Reconstruction	3
HIST 307	History of Modern Russia	3
HIST 309	History of Modern France	3
HIST 310	Diplomatic History of the United States	3
HIST 311	History of Modern Germany	3
HIST 312	Political Dissent in Modern America	3
HIST 313	Urban America: The City in American History	3
HIST 316	American Sports History	3
HIST 318	History and Culture: Cuba and Puerto Rico	3
HIST 319	Presidential Elections	3
HIST 321	Colonial America (1550-1789)	3
HIST 322	Early America	3
HIST 323	American Industry and Empire	3
HIST 324	Twentieth Century America (1945 to Present)	3
HIST 329	Progressivism	3
HIST 330	Early England	3
HIST 331	History of the Dominican Republic	3
HIST 332	History of Modern England	3
HIST 345	Comparative Histories of Slavery in the Americas	3
HIST 346	The Historian's Craft [1]	3
HIST 350	Making of the Middle Ages	3
HIST 357	The Ottoman Empire	3
HIST 363	Medieval Heritage	3
HIST 365	Boom and Bust, The US:1870-1940	3
HIST 376	The Twentieth Century Middle East	3
HIST 401	Intellectual History of US	3
HIST 402	America Social History	3
Electives (Select a minimum of 12 credits from history courses at the 100-400 level):		**12**
AFRO 125	African American History: From Africa to Emancipation	3
AFRO 285	Modern Africa	3
AFRO 101	The African Diaspora	3
HIST 114	Immigration In American History	3
HIST 115	The Asian-American Experience	3
HIST 131	Metropolitan New York	3
HIST 133	Cranks, Critics, and Communards	3
HIST 150	American History to 1865	3
HIST 152	American History since 1865	3
HIST 154	U.S. Women's History	3
HIST 164	Introduction to African Civilizations	3
HIST 1XX	History Transfer Credit	0

HIST 202	Renaissance and Reformation	3
HIST 203	History through Film	3
HIST 205	Ancient Civilizations	3
HIST 209	History of Punishment	3
HIST 211	American Military History	3
HIST 212	History of New Jersey	3
HIST 213	Select Topic in American History:	3
HIST 215	World War II: Pacific and Asia	3
HIST 216	World War II: Europe	3
HIST 225	Introduction to Public History	3
HIST 229	The Long 1960s: A History	3
HIST 231	The US in the World	3
HIST 233	World History: 1400 CE to Present	3
HIST 245	Cities in History	3
HIST 2XX	History Transfer Credit	0
HIST 308	The West in American History	3
HIST 326	The Age of Jackson	3
HIST 333	The History of Mexico	3
HIST 335	Modern India	3
HIST 338	History of Ireland	3
HIST 347	Making History	3
HIST 361	The Culture of the European Enlightenment	3
HIST 359	The Silk Road	3
HIST 364	Medieval Spains	3
Total Credits:		**36**

[1] It is strongly recommended that history majors take this course.

Freshman	
Semester 1	**Credits**
History Regional Core	3
Credits	**3**
Semester 2	
History Regional Core	3
Credits	**3**
Sophomore	
Semester 1	
History 100-400 Elective Course	3
Credits	**3**
Junior	
Semester 1	
History 100-400 Level Elective Course	3
History 300 - 400 Level Course	3
Credits	**6**
Semester 2	
History 100-400 Level Elective Course	3
History 300 - 400 Level Course	3
History 300 - 400 Level Course	3
Credits	**9**
Senior	
Semester 1	
HIST 418 Capstone Seminar	3
History 300 - 400 Level Course	3
Credits	**6**
Semester 2	
History 100-400 Level Elective Course	3
History 300 - 400 Level Course	3
Credits	**6**
Total Credits	**36**

Student Learning Outcomes

Upon completion of the History BA program, students will be able to:

1. Engage in historical inquiry, research, and analysis (AHA TP 2013).
2. Practice historical empathy (AHA TP 2013).
3. Understand the complex nature of the historical record (AHA TP 2013).
4. Generate significant, open-ended questions about the past and devise research strategies to answer them (AHA TP 2013).
5. Craft historical narrative and argument (AHA TP 2013).
6. Practice historical thinking as central to engage citizenship (AHA TP 2013).

History, Minor

Are you a good candidate for becoming a history minor? Ask yourself this: Do I crave a deeper understanding of the world I live in? Am I curious about how the past informs the present and the future? Do I want to learn in an environment that sparks thought-provoking discussions?

Our faculty is student-centered and passionate about bringing history to life. Their specialties are as diverse as our student body, and they are sought-after experts in the discipline. They are dedicated to helping students learn, grow, and succeed.

Students must maintain a cumulative undergraduate grade point average of 2.0.

Code	Title	Credits
Required Regional Core Courses: (Choose 1 course from 2 of the following regions): 6 Credits		
Europe:		
HIST 156	Western Civilization 1648	3
HIST 160	Europe in the 20th Century	3
HIST 255	The Emergence of Modern Europe	3
Africa:		
HIST 164	Introduction to African Civilizations	3
Latin America:		
HIST 162	Introduction to Latin American Civilization	3
Middle East:		
HIST 168	Middle East, Past and Present	3
Asia:		
HIST 166	Introduction to East Asian Civilizations	3
Required History Electives: 12 Credits (Choose 2 100-400 level and 2 300-400 level from the following):		
HIST 114	Immigration In American History	3
HIST 131	Metropolitan New York [1]	3
HIST 133	Cranks, Critics, and Communards [1]	3
HIST 150	American History to 1865	3

HIST 152	American History since 1865	3
HIST 154	U.S. Women's History	3
HIST 202	Renaissance and Reformation	3
HIST 203	History through Film	3
HIST 205	Ancient Civilizations	3
HIST 209	History of Punishment	3
HIST 211	American Military History	3
HIST 212	History of New Jersey	3
HIST 213	Select Topic in American History:	3
HIST 215	World War II: Pacific and Asia	3
HIST 216	World War II: Europe	3
HIST 231	The US in the World [1]	3
HIST 233	World History: 1400 CE to Present [1]	3
HIST 245	Cities in History [1]	3
HIST 255	The Emergence of Modern Europe	3
HIST 305	Civil War and Reconstruction	3
HIST 307	History of Modern Russia	3
HIST 309	History of Modern France	3
HIST 310	Diplomatic History of the United States	3
HIST 311	History of Modern Germany	3
HIST 312	Political Dissent in Modern America	3
HIST 313	Urban America: The City in American History	3
HIST 316	American Sports History	3
HIST 318	History and Culture: Cuba and Puerto Rico	3
HIST 319	Presidential Elections	3
HIST 321	Colonial America (1550-1789)	3
HIST 322	Early America	3
HIST 323	American Industry and Empire	3
HIST 324	Twentieth Century America (1945 to Present)	3
HIST 329	Progressivism	3
HIST 330	Early England	3
HIST 331	History of the Dominican Republic	3
HIST 332	History of Modern England	3
HIST 345	Comparative Histories of Slavery in the Americas	3
HIST 350	Making of the Middle Ages	3
HIST 357	The Ottoman Empire	3
HIST 363	Medieval Heritage	3
HIST 365	Boom and Bust, The US:1870-1940	3
HIST 376	The Twentieth Century Middle East	3
HIST 401	Intellectual History of US	3
HIST 402	America Social History	3
AFRO 125	African American History: From Africa to Emancipation	3
AFRO 140	African American History: From Emancipation to the Present	3
Total Credits:		**18**

[1] May be used to simultaneously satisfy a General Education Program requirement.

History—Social Studies (Teacher Certification), B.A.

The History Department in collaboration with the Department of Elementary and Secondary Education prepares undergraduate majors to become K-12 certified secondary social studies teachers. Required education courses focus on the socio-historical and theoretical foundations of education, educational psychology, content-specific and multidisciplinary methods, and differentiated instruction for the diverse classroom. Program candidates engage in nurturing clinical experiences that equip them with the practical know-how to plan, implement, and assess effective and engaging lessons. Our primary aim is to create reflective practitioners for today's urban schools.

THE REQUIREMENTS FOR ADMISSION TO THIS CONCENTRATION ARE:

- A minimum cumulative undergraduate grade point average (CGPA) of 3.0.
- A minimum of B- or better on all education courses

THE REQUIREMENTS FOR COMPLETION OF THIS DEGREE TRACK ARE:

- Completion of NJCU General Education requirements or equivalent
- Successful completion of major in intended content area
- Passing scores on appropriate Praxis II Exam
- A minimum cumulative GPA of 3.0
- Successful completion of clinical experience and clinical practice (student teaching)

Note: For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Code	Title	Credits
Required Courses:		**6**
HIST 418	Capstone Seminar	3
Restricted Electives (Select a minimum of 3 credits from 2 of the following groups of regional history courses in Europe, Latin America, Africa, Middle East, or Asia):		**6**
Europe:		
HIST 156	Western Civilization 1648	3
HIST 160	Europe in the 20th Century	3
HIST 255	The Emergence of Modern Europe	3
Latin America:		
HIST 162	Introduction to Latin American Civilization	3
Africa:		
AFRO 164	Introduction to African Civilizations	3
Middle East:		
HIST 168	Middle East, Past and Present	3
Asia:		
HIST 166	Introduction to East Asian Civilizations	3
History Electives (Select a minimum of 15 credits of upper level history courses numbered 300 or higher):		**15**
HIST 305	Civil War and Reconstruction	3
HIST 307	History of Modern Russia	3
HIST 309	History of Modern France	3
HIST 310	Diplomatic History of the United States	3

HIST 311	History of Modern Germany	3
HIST 312	Political Dissent in Modern America	3
HIST 313	Urban America: The City in American History	3
HIST 316	American Sports History	3
HIST 318	History and Culture: Cuba and Puerto Rico	3
HIST 319	Presidential Elections	3
HIST 321	Colonial America (1550-1789)	3
HIST 322	Early America	3
HIST 323	American Industry and Empire	3
HIST 324	Twentieth Century America (1945 to Present)	3
HIST 329	Progressivism	3
HIST 330	Early England	3
HIST 331	History of the Dominican Republic	3
HIST 332	History of Modern England	3
HIST 345	Comparative Histories of Slavery in the Americas	3
HIST 346	The Historian's Craft	3
HIST 350	Making of the Middle Ages	3
HIST 357	The Ottoman Empire	3
HIST 359	The Silk Road	3
HIST 363	Medieval Heritage	3
HIST 365	Boom and Bust, The US:1870-1940	3
HIST 376	The Twentieth Century Middle East	3
HIST 401	Intellectual History of US	3
HIST 402	America Social History	3
Electives (Select a minimum of 12 credits from additional history courses at the 100-400 level):		**12**
AFRO 125	African American History: From Africa to Emancipation	3
AFRO 140	African American History: From Emancipation to the Present	3
HIST 114	Immigration In American History	3
HIST 131	Metropolitan New York	3
HIST 133	Cranks, Critics, and Communards	3
HIST 150	American History to 1865	3
HIST 152	American History since 1865	3
HIST 154	U.S. Women's History	3
HIST 202	Renaissance and Reformation	3
HIST 203	History through Film	3
HIST 205	Ancient Civilizations	3
HIST 209	History of Punishment	3
HIST 211	American Military History	3
HIST 212	History of New Jersey	3
HIST 213	Select Topic in American History:	3
HIST 215	World War II: Pacific and Asia	3
HIST 216	World War II: Europe	3
HIST 231	The US in the World	3
HIST 245	Cities in History	3
Required General Education Program Courses:		**12**
BIOL 224	The Human Body (Tier II Scientific and Quantitative Inquiry General Education course)	3
or BIOL 225	Human Sexual Biology	
MATH 215	Problem Solving in Mathematics	3
Restricted Recommended General Education Program Electives:		
LTED 160	Languages of Power and Social Justice	3
POLI 217	Globalization & Governance	3
HIST 233	World History: 1400 CE to Present	3
SOCI 230	Cities of Industry: Sociological Perspectives	3
ECON 215	Personal Finance	3

Please see the BA in Secondary Education (https://catalog.njcu.edu/undergraduate/education/elementary-secondary/secondary-education-co-major-arts-sciences-k-12-certification/) catalog page for required education coursework.

Please see the BA in Secondary Education (https://catalog.njcu.edu/undergraduate/education/elementary-secondary/secondary-education-co-major-arts-sciences-k-12-certification/) catalog page for required education coursework.

Philosophy, B.A.*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

Philosophy is an excellent foundation for work in law, business, teaching, communications, religious studies, public affairs, and more. In fact, philosophy majors have been shown to excel at standardized testing and thrive in the workplace. Hedge fund managers, CEOs, and tech start-up founders are among an impressive list of highly successful philosophy majors. Why is this?

• The study of philosophy is intellectually rigorous, which sharpens students' minds and teaches them to engage systematically with problems large and small.

• Philosophy students learn the art of constructive debate, discussion and persuasion, in written and verbal forms. These skills serve them well in job interviews and competitive work environments.

• A solid foundation in ethics produces philosophy graduates who make careful decisions with concern for others.

Total Credit Hours: 36

Code	Title	Credits
Required		
PHIL 102	Critical Thinking	3
PHIL 234	Ancient Philosophy	3
PHIL 239	On Evil: Early Modern Philosophy	3
Restricted Electives		

History (take 1 course from the following):		
HIST 205	Ancient Civilizations	3
HIST 255	The Emergence of Modern Europe	3
HIST 309	History of Modern France	3
HIST 311	History of Modern Germany	3
HIST 312	Political Dissent in Modern America	3
HIST 363	Medieval Heritage	3
PHIL 208	Great Philosophers: Voices of Wisdom	3
PHIL 217	Eastern Philosophy and Religion	3
PHIL 232	African(a) Philosophy	3
PHIL 303	Existentialism and Phenomenology	3
PHIL 314	Great Philosophical Texts	3
Theoretical (take 1 course from the following):		
PHIL 205	Metaphysics: Appearance and Reality	3
PHIL 206	Epistemology: Theory of Knowledge	3
PHIL 227	Symbolic Logic	3
PHIL 236	Philosophy of Mind	3
Practical (take 1 course from the following):		
POLI 105	History of Political Thought	3
PHIL 207	Ethics	3
PHIL 244	Political and Social Philosophy	3
PHIL 245	The Philosophy of Social Justice in the United States	3
Electives		
Select a minimum of 18 credits. Students may petition to take up to six credits from cognate disciplines. [2]		18
PHIL 105	Issues in Religion	3
PHIL 110	Mythology	3
PHIL 109	Bioethics (Medical Ethics) [1]	3
PHIL 113	Environmental Ethics [1]	3
PHIL 125	Ethics in Everyday Life [1]	3
PHIL 135	World Religions [1]	3
PHIL 140	The Examined Life [1]	3
PHIL 203	Philosophy of Religion	3
PHIL 215	On Love	3
PHIL 216	Aesthetics: Creativity & Imagination	3
PHIL 226	Religion in the City: When Faith Encounters Urban Life	3
PHIL 235	Perspectives on Death	3
PHIL 240	Philosophy and Film	3
PHIL 246	Food, Philosophy, and Global Health [1]	3
PHIL 260	Philosophy of Education [1]	3
PHIL 290	Myth, Magic, and Mysticism	3
PHIL 302	Philosophy of Technology	3
PHIL 313	Time: Interdisciplinary Perspectives	3
PHIL 317	Philosophy and Literature	3
PHIL 320	Philosophy of Psychology	3
PHIL 324	Judaism, Christianity, and Islam	3
PHIL 390	Pandemic Ethics	3
PHIL 397	Animals and Philosophy	3
PHIL 401	Philosophy of Science	3
PHIL 405	Advanced Seminar in Philosophy	3
PHIL 408	Independent Study in Philosophy	3
PHIL 424	Independent Study in Religion	3
Total Credits		**36**

[1] Take no more than 9 credits at the 100 level, and take at least 9 credits at the 300 level or above.

[2] Courses with PHIL designation not taken for restricted electives can be taken for unrestricted electives.

Freshman

Semester 1		**Credits**
PHIL 102	Critical Thinking	3
	Credits	**3**
Semester 2		
Practical Elective		3
	Credits	**3**

Sophomore

Semester 1		
PHIL 234 or PHIL 239	Ancient Philosophy or On Evil: Early Modern Philosophy	3
	Credits	**3**
Semester 2		
Theoretical Elective		3
Philosophy Elective		3
	Credits	**6**

Junior

Semester 1		
PHIL 239 or PHIL 234	On Evil: Early Modern Philosophy or Ancient Philosophy	3
Phil Elective		3
	Credits	**6**
Semester 2		
History Elective		3
Philosophy Elective		3
	Credits	**6**

Senior

Semester 1		
PHIL Elective		3
PHIL Elective		3
	Credits	**6**
Semester 2		
PHIL Elective		3
	Credits	**3**
	Total Credits	**36**

Student Learning Outcomes

Upon completion of the Philosophy BA program, students will be able to:

1. Demonstrate knowledge of the major ideas, questions, methods and arguments in the core areas of philosophy in the context of philosophy's major historical periods.
2. Engage in the close_critical but charitable-reading and interpretation of philosophical texts, and express ideas and arguments clearly in written and/or oral communication.

3. Demonstrate strong critical thinking and problem solving skills by applying the tools of informal and formal logic to identify, construct, analyze, evaluate and respond to arguments.
4. Discuss questions of value rationally, clearly, humbly, and with an open mind.

Philosophy and Religion, Minor

The minor program in philosophy and religion is designed for students who wish to experience the educational enrichment offered by these disciplines. Philosophy alone, or a minor in combination with religion, may be studied in sufficient depth to enable students to grasp central issues, as well as to confront their own self-awareness in terms of these issues. The minor programs are largely unstructured to allow students to shape their courses of study to their own interests and needs.

18 Credits to Complete the Philosophy Minor

Code	Title	Credits
Select six courses		**18**
PHIL 101	Philosophy: Persons & Problems	3
PHIL 102	Critical Thinking	3
PHIL 103	Contemporary Moral Issues	3
PHIL 105	Issues in Religion	3
POLI 105	History of Political Thought	3
PHIL 106	Comparative Religion	3
PHIL 109	Bioethics	3
PHIL 110	Mythology	3
PHIL 112	Bioethics and Technology	3
PHIL 113	Environmental Ethics	3
PHIL 125	Ethics in Everyday Life	3
PHIL 135	World Religions	3
PHIL 140	The Examined Life	3
PHIL 204	Introduction to Logic	3
PHIL 203	Philosophy of Religion	3
PHIL 205	Metaphysics: Appearance and Reality	3
PHIL 206	Epistemology: Theory of Knowledge	3
PHIL 207	Ethics	3
PHIL 208	Great Philosophers: Voices of Wisdom	3
PHIL 215	On Love	3
PHIL 216	Aesthetics: Creativity & Imagination	3
PHIL 217	Eastern Philosophy and Religion	3
PHIL 226	Religion in the City: When Faith Encounters Urban Life	3
PHIL 227	Symbolic Logic	3
PHIL 231	The Philosophy of War and Peace	3
PHIL 232	African(a) Philosophy	3
PHIL 234	Ancient Philosophy	3
PHIL 235	Perspectives on Death	3
PHIL 236	Philosophy of Mind	3
PHIL 239	On Evil: Early Modern Philosophy	3
PHIL 240	Philosophy and Film	3
PHIL 244	Political and Social Philosophy	3
PHIL 245	The Philosophy of Social Justice in the United States	3
PHIL 246	Food, Philosophy, and Global Health	3
PHIL 260	Philosophy of Education	3
PHIL 290	Myth, Magic, and Mysticism	3
PHIL 302	Philosophy of Technology	3
PHIL 303	Existentialism and Phenomenology	3
PHIL 313	Time: Interdisciplinary Perspectives	3
PHIL 314	Great Philosophical Texts	3
PHIL 317	Philosophy and Literature	3
PHIL 320	Philosophy of Psychology	3
PHIL 324	Judaism, Christianity, and Islam	3
PHIL 390	Pandemic Ethics	3
PHIL 397	Animals and Philosophy	3
PHIL 401	Philosophy of Science	3
PHIL 405	Advanced Seminar in Philosophy	3
PHIL 492	Ind Study Philosophy	3
Total Credits		**18**

Mathematics

Karnoutsos Hall, Room 506
201-200-3201

The Mathematics Department (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/mathematics) prepares students for careers in a modern, complex society that has become increasingly dependent on mathematics. Faculty scholarship includes scholarship of Teaching and Learning, Analysis, Topology, Applied Mathematics and more. The Department is a member of the Mathematical Association of America and the National Council of Teachers of Mathematics. The Mathematics Department also sponsors a chapter of Kappa Mu Epsilon National Mathematics Honor Society.

Gunhan Caglayan
Associate Professor of Mathematics
University of Georgia, Ph.D.

James Camacho
Professor of Mathematics
Polytechnic University (New York), B.S., M.S., Ph.D.

Debananda Chakraborty
Associate Professor of Mathematics
Jadavpur University, India, B.S.; Jadavpur University, India, M.S.; State University of New York at Buffalo, M.A.; State University of New York at Buffalo, Ph.D.

Zhixiong Zhen (zchen@njcu.edu)
Professor of Mathematics
Zhejiang University, B.S.; Chinese Academy of Sciences, M.S.; University of Massachusetts, Amherst, M.S., Ph.D.

Fadoua Chigr (fchigr@njcu.edu)
Lecturer
NJCU, B.A., M.A.

Ana DaSilva Jesus
Lecturer
Drew University, B.A.; Montclair University, M.S.

Yi Ding
Professor of Mathematics, co-chair

University of Massachusetts, Amherst, M.S., Ph.D.

Wayne Eby
Associate Professor of Mathematics
Duke University, B.A.; University of Maryland, M.S., Ph.D.

Frederic Mynard
Professor of Mathematics, Interim Associate Dean, College of Arts and Sciences
Burgundy University (France), B.S., M.S., Ph.D.

Beimnet Teclezghi (bteclezghi@njcu.edu)
Professor of Mathematics, co-chair
Asmara University, B.A.; Addis Ababa University, M.S.; University of Arkansas, Ph.D.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Mathematics, B.A.
- Mathematics—Teacher Certification, B.A.
- Mathematics, Minor

Mathematics (MATH)

MATH 1XX Mathematics Transfer Credit (0 Credits)

MATH 2XX Mathematics Transfer Credit (0 Credits)

MATH 96 Beginning Algebra (2 Credits)
This course develops the algebraic skills necessary for success in Algebra for College Students. Topics include: linear equations and inequalities in one and two variables and applications; basic operations with exponents and polynomials; linear functions, their graphs, and applications; square roots and radical expressions; solving quadratic equations.
Co-Requisite(s): MATH 106

MATH 100 Quantitative Literacy (3 Credits)
This course will engage students in realistic situations involving quantity, change, and relationships. Upon completion, students should be able to utilize quantitative information as consumers and citizens to make informed personal and civic decisions.

MATH 106 Algebra for College Students (3 Credits)
This course develops the algebraic skills necessary for success in Algebra for college Students. Topics include: linear equations and inequalities in one and two variables; polynomials; rational expressions; exponents and radicals; quadratic equations and inequalities; linear, quadratic, polynomial, and rational functions and applications; and systems of linear equations and inequalities and applications.
Co-Requisite(s): MATH 96

MATH 112 Intermediate Algebra (4 Credits)
This course contains many topics usually taught in a second-year algebra course including functions and relations. It is an advanced review of algebra designed for students who desire sufficient knowledge for Precalculus and Calculus. It is a useful aid for increasing one's ability to solve problems in business, nursing, education, and science.
Pre-requisite: or Co-Requisite: MATH 100 or equivalent
Co-Requisite: MATH 100 or equivalent

MATH 114 Contemporary Mathematics (3 Credits)
Course introduces the student to the role of mathematics in various aspects of contemporary life. Emphasis is on the use of quantitative descriptions and models to solve real-world problems. Examples of specific topics include the mathematics of social choice, data handling, growth and form, and optimization.
Pre-Requisite(s): MATH 100 or Equivalent

MATH 140 Statistics I (3 Credits)
Statistics I is a study of mode, median, mean, standard deviation, various descriptive techniques, the binomial and normal distributions, and an introduction to statistical inference. Statistical concepts are applied primarily to the natural and social sciences, business administration, and criminal justice using packaged software such as Minitab and SPSS.
Pre-Requisite(s): MATH 100 or Equivalent

MATH 141 STATISTICS II (3 Credits)
This course examines the theoretical foundations of statistical methods for hypothesis testing and inferential statistics. Topics include decision-making and regression analysis with applications of inferential statistics.
Pre-requisite: MATH 140 Statistics I

MATH 164 Pre-Calculus for Business Students (4 Credits)
This course introduces the student to the role and applications of mathematics in business. Topics include: polynomial, rational, exponential, and logarithmic equations and functions and their applications in business; interest, annuities, present and future values, sinking funds, and amortization, systems of linear equations and inequalities; and matrices and their applications in business.
Pre-Requisite(s): MATH 112 and MATH 106

MATH 166 Elementary Functions (3 Credits)
An introductory treatment of properties of elementary functions with emphasis on graphical analysis is presented in this course. The course also investigates the graphical meaning of the derivative and integral.
Prerequisite: MATH 175

MATH 175 Enhanced Precalculus (4 Credits)
Selected topics from algebra, exponential and logarithmic functions, and trigonometry are chosen to provide suitable background for Calculus I.
Pre-Requisite(s): MATH 106 or MATH 112.

MATH 192 Calculus and Analytic Geometry I (4 Credits)
This course presents a study of differential calculus of polynomial and trigonometric functions, applications of differentiation including maximum minimum problems and Newton's Method and Rolle's Theorem. Anti-differentiation, definite, and indefinite integrals are also involved. This course is part of 12 semester hour sequence in Calculus for Pre-Engineering students.
Co-Requisite(s): MATH 175 Enhanced Precalculus

MATH 193 Calculus and Analytic Geometry II (4 Credits)
This course deals with the applications of the definite integral including area and volume problems, surface area, and work problems. Logarithmic and Exponential Functions, Hyperbolic Functions, Techniques of Integration, L'Hopital's Rule, and Infinite Series are also included.
Pre-Requisite: Math 192 Calculus and Analytic Geometry I with a grade of C or better

MATH 200 Calculus for Business (3 Credits)
Course introduces the student to the role of calculus in business. Topics include: limits, continuity, derivatives and applications, and integration and applications.
Pre-Requisite(s): MATH 164

MATH 214 Number Sense and Geometry in Elementary Education (3 Credits)
This course provides elementary education majors a deeper understanding of the mathematics they will teach through an exploration of number systems and place value, arithmetic algorithms, mathematical structures, and elementary geometry and measurement using a problem-solving process approach. Students will be required to reason and communicate mathematically with various representations.
Pre-requisite: MATH 106 Algebra for College Students or MATH 112 Intermediate Algebra or equivalent.

MATH 215 Problem Solving in Mathematics (3 Credits)
Course provides elementary education majors a deeper understanding of the mathematics they will teach through an exploration of number systems and place value, arithmetic algorithms, and mathematical structures using a problem solving approach. Students will be required to reason and communicate mathematically with various representations, models, and procedures.
Pre-Requisite(s): MATH 100 or Equivalent

MATH 216 Algebra and Probability in Elementary Education (3 Credits)
This course provides elementary education majors a deeper understanding of the mathematics they will teach through an exploration of algebraic structures, elementary probability, statistics, and data analysis using a problem-solving process approach. Students will be required to reason and communicate mathematically with various representations, models, and procedures.
Prerequisites: MATH 106 Algebra for College Students or MATH 112 Intermediate Algebra

MATH 220 Applications of Mathematics (3 Credits)
This course includes topics in the theory of optimization. The topics include the maximization and/or minimization of univariate functions (using such methods as exhaustive search, interval search, random search, and Fibonacci search), and multivariate functions (using techniques such as the method of steepest descent). The linear programming problem is introduced and the simplex method is used for solving it. Topics are covered in the context of decision-making.
Pre-requisite: MATH 193 or Equivalent.

MATH 225 Mathematics makes a Case: Global Climate Change (3 Credits)
The main objectives of this course are: to examine scientific facts of global climate change with abstract mathematical expressions, to process real data and evaluate evidence to see patterns, and to apply math skills to understand real-life issues and problems. Basic algebraic functions and statistics will be included.
Pre-Requisite(s): MATH 112 or Equivalent.

MATH 240 Introduction to Number Theory (1 Credit)
This course serves as an introduction to number theory. Questions in elementary number theory include divisibility properties of integers, properties of primes, congruences, and integer solutions to basic equations (e.g. Diophantine Equations).
Pre-requisite(s): MATH 193 Calculus and Analytic Geometry II

MATH 245 Introduction to Graph Theory (1 Credit)
This course serves as an introduction to graph theory. Topics include graphs, digraphs, trees, connectivity, circuits, Eulerian and Hamilton paths, vertex-edge coloring, and applications in networks in the fields of telecommunication, biology, computer science, and other areas.
Pre-requisite(s): Math 193 Calc And Analytic Geometry II

MATH 250 Introduction to Combinatorics (1 Credit)
This course serves as an introduction to combinatorics. Topics in combinatorics include techniques of enumeration, combinations, permutations, binomial coefficients, Pascal's triangle, Fibonacci numbers, partitions, Pigeon Hole Principle, Inclusion - Exclusion Principle, recurrence relations, and applications.
Pre-requisite(s): MATH 193

MATH 255 Financial Mathematics (3 Credits)
This course introduces students to the role of mathematics in financial markets and is a building block to learners in the field of finance. The frequent application of financial mathematics has become essential to the financial and insurance industry. The course emphasizes the fundamental concepts interest theory and financial economics.
Pre-Requisite(s): MATH 192

MATH 260 Linear Algebra (3 Credits)
Algebra of matrices and vector spaces and applications to the solution of systems of linear equations and geometric transformations are studied in this course.
Pre-requisite(s): MATH 193

MATH 292 Calculus & Analytical Geometry III (4 Credits)
This course (with 192, 193) is part of a 12 cr. sequence in calculus for pre-engineering students. Topics include polar coordinates and parametric equations, three-dimensional space, vectors, vector valued functions, partial derivatives, multiple integrals and topics in vector calculus.
Pre-requisite: MATH 193 with a grade of C or better

MATH 295 Survey of Modern Mathematics (3 Credits)
This course provides a transition to higher mathematics. Topics include elementary set theory, elementary symbolic logic, elementary number theory, equivalence relations and functions. Emphasis is on techniques of proofs. It is strongly recommended that students complete this course as a preparation for MATH 370 Abstract Algebra.
Pre-Requisite: or Co-Requisite: MATH 193
Co-Requisite: MATH 193

MATH 307 Finite Mathematics I (3 Credits)

MATH 311 Differential Equations for Engineers (4 Credits)
This course is more thorough than Math 310 and is designed for pre-engineering students.
Pre-Requisite(s): MATH 193 Calc and Analytic Geometry II

MATH 320 Modern Geometry I (3 Credits)
Reformulation of Euclidean Geometry from an advanced viewpoint is taught. Distance, Congruences, Betweenness, Separation in planes and space, Geometric Inequalities and the Euclidean concept of congruence without distance.
Pre-Requisite(s): MATH 193

MATH 321 Modern Geometry II (3 Credits)
The three geometries, parallel postulates and projections, area functions, perpendicular lines and planes, Saccheri quadrilaterals, inversion and reflection, hyperbolic geometry, absolute geometry, Bolyai's theorem, defects and area, and consistency of the hyperbolic postulates are studied in this course.
Pre-Requisite(s): MATH 320

MATH 330 Mathematical Statistics I (3 Credits)
This course is an introduction to Calculus-based mathematics of statistics. Topics include: basic combinatorial methods, random variables, probability distributions and densities, expectation, and the binomial and normal distributions.
Pre-Requisite: Math 193 Calc and Analytic Geometry II and MATH 140 Statistics I

MATH 331 Mathematical Statistics II (3 Credits)
An analysis of applications of probability and mathematical statistics is presented in this course. Topics include sampling distributions, point estimation, interval estimation, hypothesis testing, regression and correlation, and analysis of variance.
Pre-Requisite(s): MATH 330 Mathematical Statistics or equivalent.

MATH 350 Elements of Numerical Analysis (3 Credits)
Error analysis, finite differences, integrative methods, interpolation, and numerical differentiation and integration are the topics studied in this class.
Pre-Requisite(s): MATH 292

MATH 370 Abstract Algebra (3 Credits)
This is the first course in abstract (modern) algebra. Topics include: study of groups, permutations, cyclic groups, subgroups, isomorphism, cosets, rings, fields, and integral domains.
Pre-requisite(s): MATH 193 and MATH 295 with a grade of C or better

MATH 371 Abstract Algebra II (3 Credits)
Abstract Algebra II is a study of groups, rings, ideals, lattices, solvable groups, and roots of polynomial equations. A continuation MATH 370.
Pre-Requisite(s): Math 370 Abstract Algebra I

MATH 380 Real Analysis (3 Credits)
This is a study of sets, mappings, sequences, connected, open and closed sets, continuity, uniform convergence, and metric spaces. Introduction to measure theory.
Pre-requisite(s): MATH 295 and MATH 193

MATH 385 Reading in Mathematics (3 Credits)

MATH 407 Teaching Mathematics in Secondary Schools (3 Credits)

MATH 410 History of Mathematics (3 Credits)
This course is an introduction to the development of major mathematical ideas and concepts over the centuries. It is a historical narrative. Students will concentrate on related problems and their applications, providing them with valuable information in business, science, education, and research. A knowledge of the rudiments of mathematics through calculus would be desirable for the course.
Pre-Requisite(s): MATH 193

MATH 430 Topology (3 Credits)
Introductory course in which sets, functions, topological spaces, subspaces, continuity, connectedness, compactness, separation properties, metric spaces and product spaces are studied.
Pre-Requisite(s): MATH 295

MATH 440 Number Theory (3 Credits)
This course offers a study of divisibility, the division algorithm, Euclid's algorithm prime numbers, congruence, number theoretic functions, and quadratic reciprocity.
Pre-Requisite(s): MATH 295 Survey of Modern Math

MATH 445 Complex Variables (3 Credits)
This is the first course in the theory of functions of one complex variable. The course introduces the student to a wide range of topics in the theory of complex variables including: analyticity, Cauchy-Riemann equations, harmonic functions, Cauchy's integral theorem, and the residue theorem.
Pre-Requisite(s): MATH 292 and MATH 295

MATH 450 Advanced Calculus I (3 Credits)
In this course advanced topics of calculus are presented. Elementary calculus, real number system, properties of continuous functions, extensions of the mean-value theorem, Taylor series, and functions of several variables are rigorously considered.
Pre-Requisite(s): MATH 292 and MATH 295

MATH 451 Advanced Calculus II (3 Credits)
Elements of partial differentiation, implicit function theorems, inverse function theorem, line integrals, Green's Theorem, transformation of double integrals, uniform continuity, theory of integration, uniform convergence, and infinite series are studied in this course.
Pre-requisite(s): MATH 450

MATH 482 Mathematics in Junior High School (3 Credits)

MATH 501 Mathematics Content PRAXIS Review (1 Credit)
A review of the mathematical concepts included in the ETS PRAXIS (Professional Assessments for Beginning Teachers) Mathematics Content Knowledge secondary teachers' examination. (PASS/FAIL) Requirement: 24 credits in mathematics or permission of the Department Chairperson.

MATH 503 Computers in Mathematics (3 Credits)
This course provides students, who have basic computer literacy and some elementary knowledge of computer programming, specific skills in using mathematical software. Problems and projects are taken from a variety of mathematical subjects including: precalculus, calculus, number theory, geometry, linear algebra, abstract algebra, and statistics. Explanations and introductions to these subjects are provided.
Pre-requisite: MATH 295

MATH 508 Professionalized Subject Matter in Arithmetic (3 Credits)
This course offers a study of procedures in arithmetic. Attention is given to concepts in manipulative and problem solving areas. Various services for diagnostic and remedial measures are introduced and evaluated.

MATH 510 Professionalized Subject Matter in Algebra (3 Credits)
This course provides the student with a reappraisal of the fundamental concepts of algebra. Emphasis is placed on the manner in which these concepts can be used to teach algebra more effectively. This course demands evidence of effective use of taught concepts in the student's own classroom. Topics include: number, set, relations, functions, operation structure, and problem solving.

MATH 511 Professionalized Subject Matter in Middle School Mathematics (3 Credits)
This course stresses mathematical concepts and skills required of children entering the junior high school curriculum in recent years, as well as those, which are appropriate for junior high students with less interest and ability in mathematics. The student will be required to show evidence of use of some of these in the student's own classroom. Topics include: modular arithmetic, numeration, geometry, descriptive statistics, algebra, and mathematical games.
UG Pre-requisite: Perm of Chair for Undergraduates only

MATH 512 Professionalized Subject Matter in Geometry (3 Credits)
This course provides a review of fundamental concepts of geometry and an investigation of their significance in the teaching of secondary school mathematics. Concepts to be analyzed include: logic, proof, and axiomatic systems; physical and geometric models; sets, relations, and transformation; non-metric and metric concepts, duality and dimensionality; and coordination of spaces. Attention is given to: historical considerations bearing on the leaching of geometry; integration of geometry with algebra and science; and significant literature on the subject. This course requires evidence that the student is making effective use of these concepts in the student's own classroom.

MATH 514 Professionalized Subject Matter in Pre-Calculus Mathematics (3 Credits)
This course presents pre-calculus topics, particularly trigonometry and matrix operations. Attention is given to historical considerations and to current trends in teaching this content. This course requires evidence that the student is making effective use of these concepts in the student's own classroom.

MATH 515 Math Manipulatives I (3 Credits)
This course explores the use of manipulative such as geoboards, Cuisenaire rods, number lines, software and CD ROM materials in the teaching of mathematics in elementary and middle schools. Both commercial and teacher-made manipulative are utilized.

MATH 516 Mathematics Manipulative II (3 Credits)
This course continues the exploration of using manipulatives to teach mathematics. The student is required to show evidence of the ability to use these concepts and skills in a classroom.

MATH 517 Calculators in the K-8 Classroom (3 Credits)
This course explores the use of calculators in the teaching of mathematics K-8. Topics include using calculators to reinforce the elementary and middle school mathematics curriculum and constructing student projects which make use of the calculator.

MATH 518 Calculators in the Secondary Classroom (3 Credits)
This course explores the use of graphing calculators in the teaching of secondary school mathematics. The use of calculators is demonstrated for algebra, geometry, trigonometry, and calculus. Student projects are constructed which make use of the calculator.

MATH 526 Algorithmic Number Theory (3 Credits)
This course presents number theory from an historical point of view and emphasizes significant discoveries from ancient to modern times, as well as presenting unsolved problems and areas of current interest. Topics include: prime numbers and related theorems; Euclidean algorithm and quadratic reciprocity; Pythagorean numbers and continued fractions.
GR Pre-requisite(s): Math 370

MATH 531 Numerical Analysis (3 Credits)
Topics include iterative methods of solving equations; interpolation and polynomial approximation; numerical differentiation and integration; numerical solution of differential equations; solution of linear systems by direct and iterative methods; matrix inversion and calculation of eigenvalues and eigenvectors of matrices. Selected algorithms may be programmed in FORTRAN and APL for solution on electronic computers at NJCU Computer Center.
GR Pre-requisite(s): MATH 260 and MATH 311

MATH 536 Mathematical Modeling (3 Credits)
The main objectives of this course are: to explore mathematical models of real world situations, to set up such models, and to review the mathematics needed to treat such models. Analysis of computer simulations of the models plays a major role in this course.
UG Pre-requisite(s): MATH 311

MATH 540 Graph Theory (3 Credits)
Topics studied in this course include paths, walks, networks, trees, connected graphs, subgroups and related applications.
Pre-requisite(s): MATH 295

MATH 598 Mathematical Principles of Computer Graphics (3 Credits)
Topics include: two dimensional algorithms; transformations, scaling, translations, rotations, matrix notation, line clipping, b-spline curve fitting, and recursion. Geometric tools for three-dimensional algorithms, and affine and projective geometry are included. Viewing and perspective transformations, wire frame models, algorithms for the triangle decomposition of polygons and hidden-line elimination are included. Object-oriented programming using C++ is included.
Pre-requisite(s): MATH 260 and MATH 292

Mathematics, B.A.

Completion of this major prepares one for a career as a statistician, actuarial assistant, mathematics teacher, research assistant, or analyst. Continued study may include a master's degree in mathematics education, mathematics, computer science, environmental science, business administration, or other related fields.

The requirements for admission to this degree track are a minimum cumulative grade point average (CGPA) of 2.0 and a minimum grade of C in MATH 192 or its equivalent. Accepted majors must maintain a minimum CGPA of 2.0 for all mathematics courses counted toward the major. No grade below a C in MATH 192, MATH 193, and MATH 295 and at most three grades of C- in the other required math courses (MATH 260, MATH 292, MATH 311, MATH 330, and MATH 370) will be counted towards the major. In addition, no grade of D in required math courses will be counted toward the major requirements.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

Total Credit Hours: 40

Code	Title	Credits
Required		
MATH 192	Calculus and Analytic Geometry I	4
MATH 193	Calculus and Analytic Geometry II	4
MATH 260	Linear Algebra	3
MATH 292	Calculus & Analytical Geometry III	4
MATH 295	Survey of Modern Mathematics	3
MATH 311	Differential Equations for Engineers	4
MATH 330	Mathematical Statistics I	3
MATH 370	Abstract Algebra	3
Math Electives - 9 credits [1]		
All 9 credits must be selected from Mathematics courses numbered 300 or higher. See below.		9
MATH 307	Finite Mathematics I	3
MATH 320	Modern Geometry I	3
MATH 321	Modern Geometry II	3
MATH 331	Mathematical Statistics II	3
MATH 350	Elements of Numerical Analysis	3
MATH 371	Abstract Algebra II	3
MATH 380	Real Analysis	3
MATH 385	Reading in Mathematics	3

MATH 407	Teaching Mathematics in Secondary Schools	3
MATH 410	History of Mathematics	3
MATH 430	Topology	3
MATH 440	Number Theory	3
MATH 445	Complex Variables	3
MATH 450	Advanced Calculus I	3
MATH 451	Advanced Calculus II	3
MATH 482	Mathematics in Junior High School	3
MATH 503	Computers in Mathematics	3
MATH 508	Professionalized Subject Matter in Arithmetic	3
MATH 510	Professionalized Subject Matter in Algebra	3
MATH 511	Professionalized Subject Matter in Middle School Mathematics	3
MATH 512	Professionalized Subject Matter in Geometry	3
MATH 514	Professionalized Subject Matter in Pre-Calculus Mathematics	3
MATH 515	Math Manipulatives I	3
MATH 516	Mathematics Manipulative II	3
MATH 517	Calculators in the K-8 Classroom	3
MATH 518	Calculators in the Secondary Classroom	3
MATH 526	Algorithmic Number Theory	3
MATH 531	Numerical Analysis	3
MATH 536	Mathematical Modeling	3
MATH 540	Graph Theory	3
MATH 598	Mathematical Principles of Computer Graphics	3
Other required courses		
MATH 140	Statistics I (prerequisite for Math 330)	3

[1] Undergraduates with a minimum of 85 earned credits that includes 24 math core credits including MATH 192, MATH 193, and MATH 292, and a minimum CGPA of 3.0 may take 5XX-level electives with the permission of the department chair. No more than two 5XX-level courses may be counted toward the Mathematics major.

Freshman		
Semester 2		**Credits**
MATH 140	Statistics I	3
MATH 192	Calculus and Analytic Geometry I	4
	Credits	**7**
Sophomore		
Semester 1		
MATH 193	Calculus and Analytic Geometry II	4
MATH 295	Survey of Modern Mathematics	3
	Credits	**7**
Semester 2		
MATH 292	Calculus & Analytical Geometry III	4
MATH 260	Linear Algebra	3
	Credits	**7**
Junior		
Semester 1		
MATH 311	Differential Equations for Engineers	4
MATH 370	Abstract Algebra	3
Math Elective Course		3
	Credits	**10**
Semester 2		
MATH 330	Mathematical Statistics I	3
Math Elective Course		3
	Credits	**6**
Senior		
Semester 1		
Math Elective Course		3
	Credits	**3**
	Total Credits	**40**

Student Learning Outcomes

Upon completion of the Mathematics BA program, students will be able to:

1. Solve routine problems in the core mathematics courses required for the major.
2. Think critically and reason logically, as exhibited by the production of mathematical proofs.
3. Formulate mathematical models to solve real-world problems.
4. Use appropriate technology to solve mathematical problems.
5. Effectively communicate technical information orally and in writing.

Mathematics, Minor

The Mathematics minor prepares students majoring in other disciplines with a broad background in mathematics. This preparation enhances students' professional appeal to employers seeking skilled individuals adept at deriving mathematically-based solutions to various problems.

Code	Title	Credits
Restricted Electives: 8		
MATH 192	Calculus and Analytic Geometry I	4
MATH 193	Calculus and Analytic Geometry II	4
Electives: 18 Credits		
Select a minimum of 18 credits from the following courses, at least 12 of which must be numbered 200 or higher.		18
CS 202	Discrete Structures I	3
CS 203	Discrete Structures II	3
MATH 140	Statistics I	3
MATH 166	Elementary Functions	3
MATH 175	Enhanced Precalculus	4
MATH 220	Applications of Mathematics	3
MATH 225	Mathematics makes a Case: Global Climate Change	3
MATH 240	Introduction to Number Theory	1
MATH 245	Introduction to Graph Theory	1
MATH 250	Introduction to Combinatorics	1
MATH 255	Financial Mathematics	3
MATH 260	Linear Algebra	3

MATH 292	Calculus & Analytical Geometry III	4
MATH 295	Survey of Modern Mathematics	3
MATH 311	Differential Equations for Engineers	4
MATH 320	Modern Geometry I	3
MATH 321	Modern Geometry II	3
MATH 330	Mathematical Statistics I	3
MATH 331	Mathematical Statistics II	3
MATH 350	Elements of Numerical Analysis	3
MATH 370	Abstract Algebra	3
MATH 371	Abstract Algebra II	3
MATH 380	Real Analysis	3
MATH 410	History of Mathematics	3
MATH 430	Topology	3
MATH 440	Number Theory	3
MATH 445	Complex Variables	3
MATH 450	Advanced Calculus I	3
MATH 451	Advanced Calculus II	3
Total:		**26**

Mathematics—Teacher Certification, B.A.

Completion of this major program prepares one for a career as a math teacher in elementary, middle, and high schools, in which math is taught as a separate subject. Continued study may include a master's degree in mathematics, mathematics education, computer science, environmental science, business administration, or other related fields. A grade of C or better is required for admission to the Mathematics major program.

THE REQUIREMENTS FOR ADMISSION TO THIS TEACHER CERTIFICATION PROGRAM ARE:

- A minimum cumulative undergraduate grade point average (CGPA) of 3.0.
- A minimum of B- or better on all education courses

THE REQUIREMENTS FOR COMPLETION OF THIS DEGREE TRACK ARE:

- Completion of NJCU General Education requirements or equivalent
- Successful completion of major in intended content area
- Passing scores on appropriate Praxis II Exam
- A minimum cumulative GPA of 3.0
- Successful completion of clinical experience and clinical practice (student teaching)

Note: For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Code	Title	Credits
Required		
MATH 192	Calculus and Analytic Geometry I	4
MATH 193	Calculus and Analytic Geometry II	4
MATH 292	Calculus & Analytical Geometry III	4
MATH 260	Linear Algebra	3
MATH 295	Survey of Modern Mathematics	3
MATH 311	Differential Equations for Engineers	4
MATH 330	Mathematical Statistics I	3
MATH 370	Abstract Algebra	3
Math electives		
9 MATH credits among:		
MATH 307	Finite Mathematics I	3
MATH 320	Modern Geometry I	3
MATH 321	Modern Geometry II	3
MATH 331	Mathematical Statistics II	3
MATH 350	Elements of Numerical Analysis	3
MATH 371	Abstract Algebra II	3
MATH 380	Real Analysis	3
MATH 385	Reading in Mathematics	3
MATH 407	Teaching Mathematics in Secondary Schools	3
MATH 410	History of Mathematics	3
MATH 430	Topology	3
MATH 440	Number Theory	3
MATH 445	Complex Variables	3
MATH 450	Advanced Calculus I	3
MATH 451	Advanced Calculus II	3
MATH 503	Computers in Mathematics	3
MATH 508	Professionalized Subject Matter in Arithmetic	3
MATH 510	Professionalized Subject Matter in Algebra	3
MATH 511	Professionalized Subject Matter in Middle School Mathematics	3
MATH 512	Professionalized Subject Matter in Geometry	3
MATH 514	Professionalized Subject Matter in Pre-Calculus Mathematics	3
MATH 515	Math Manipulatives I	3
MATH 516	Mathematics Manipulative II	3
MATH 517	Calculators in the K-8 Classroom	3
MATH 518	Calculators in the Secondary Classroom	3
MATH 526	Algorithmic Number Theory	3
MATH 531	Numerical Analysis	3
MATH 536	Mathematical Modeling	3
MATH 540	Graph Theory	3
MATH 598	Mathematical Principles of Computer Graphics	3
Required General Education Program Courses		
BIOL 225	Human Sexual Biology	3
or BIOL 224	The Human Body	
or BIOL 106	Practical Nutrition	
LTED 160	Languages of Power and Social Justice	3
Other required courses		
MATH 140	Statistics I [1]	3
MATH 215	Problem Solving in Mathematics	3

[1] Prerequisite for Math 330

Please see the BA in Secondary Education (https://catalog.njcu.edu/undergraduate/education/elementary-secondary/secondary-education-

co-major-arts-sciences-k-12-certification/) catalog page for required education coursework.

Please see the BA in Secondary Education (https://catalog.njcu.edu/undergraduate/education/elementary-secondary/secondary-education-co-major-arts-sciences-k-12-certification/) catalog page for required education coursework.

Media Arts

Fries Hall, Room 106
201-200-3494

The Media Arts Department (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/media-arts) is accredited by the National Association of Schools of Art and Design (NASAD). The Media Arts Department houses a full color, broadcast-quality television studio, Macintosh and PC digital media labs, radio and audio production facilities, and 16mm film production and post-production facilities. The department has a studio/classroom for multi-media production and two large projection/seminar rooms for weekly screenings. Completing the Media Arts facilities are AVID and Final Cut Pro video editing suites, and 16mm Steenbeck editing suites. Works produced in the Media Arts Department include experimental, digitally animated, documentary and narrative short subjects, and independent feature productions.

Faculty members are active in the production of original films and videos. Their work has been screened at major festivals and museums including the Museum of Modern Art, the Margaret Mead Festival at the Museum of Natural History, and The Whitney Museum of American Art.

The Media Arts Department offers a single degree track, providing students with a rigorous foundation in media production, as well as the opportunity to pursue a concentration in the areas of video, film, digital media production, and audio production. Department faculty members act as advisors and mentors in the areas of film production, video production, audio production, digital media, screenwriting, and theory/aesthetics. The department offers an innovative minor program that allows students to design their own program of study under the guidance of a faculty mentor. Students outside the department wishing to take media classes must complete all required prerequisites and obtain the permission of the chair before registering for 300- and 400-level courses.

The Dr. Joseph Drew Award for Excellence in Production is given every year to a graduating senior from the Media Arts Department. The recipient of the award is chosen by the Media Arts Department faculty on the basis of an overall cumulative grade point average (CGPA) of 3.0 or better, and the demonstration of a high level of technical competence in a number of production areas as well as a high level of creativity and professionalism in completed productions.

Marcin Ramocki, Chairperson (mramocki@njcu.edu)
Associate Professor of Media Arts
Dartmouth College, B.A.; University of Pennsylvania, M.F.A.

Roddy Bogawa (rbogawa@njcu.edu)
Professor of Media Arts
University of California, San Diego, B.A., M.F.A.

Joel D. Katz (jkatz@njcu.edu)
Professor of Media Arts
Oberlin College, B.A.; Hunter College, M.F.A.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Media Arts, B.A. (p. 133)
- Media Arts, Minor (p. 135)

Media Arts (MEDI)

MEDI 1XX Media Arts Transfer Credit (0 Credits)

MEDI 2XX Media Arts Transfer Credit (0 Credits)

MEDI 100 Introduction to Media (3 Credits)
This course is a survey of the principles and practices of modern mass media, including the press, radio, film and television.

MEDI 102 Development of Film I (3 Credits)
This course is an historical approach to the development of the motion picture as an international art form and the industry from its inception through the 1940's. Classes consist of viewing films and discussing them in terms of social history and cinematic development.
Pre-Requisite(s): Students with a declared major of Media.

MEDI 103 Development of Film II (3 Credits)
This is a continuation of Media Arts 102. It is recommended that students planning to take both102 and 103 complete 102 first. Films from the 1950's to the present are screened and analyzed in class. Lectures explore related social issues and cinematic art.
Pre-Requisite(s): Students with a declared major of Media.

MEDI 110 Foundations of Media Design (3 Credits)
This course provides a broad and rigorous orientation for all areas of media production. It begins with an activity-based study of the psychological and physiological bases for production/perception and the development of vocabularies for further work. Through the interplay between assignments in pre-production planning, design, photography, audio, film and video, students explore the underlying processes and principles of media making. Participants in the course become involved in readings, lectures, designing storyboards, viewing films and videotapes. Production experiences in sound, slide photography, multi-image, video and film animation are assigned.
Co-requisite: MEDI 210 Audio Production.

MEDI 119 Film & Critical Issues (3 Credits)
This course offers an exploration of human values and political, social, and psychological issues as expressed in contemporary films. Students are also encouraged to develop their knowledge of film aesthetics by discussing cinematography, sound, lighting, directing, editing and acting.

MEDI 120 Understanding Movies: The Art of Film (3 Credits)
This course introduces the student to films, filmmakers, and the vocabulary of the movies. The course will explore the techniques specific to film-from script to screen-and the functions of directors, actors, producers, writers, etc. Students will analyze and view films from historical, social, and critical contexts.

MEDI 130 The History of Media (3 Credits)
In this course, students will analyze the history of media from the beginnings of speech up until the introduction of television in the 1950s and 1060s. Through lecture, video illustration, interactive role play activities and discussions, students will become familiar with some of the major developments in the history of media and of their consequences on society.

MEDI 204 Media in American Society (3 Credits)
This course explores various issues relating to the interaction of media and the cultural life of contemporary American society. In this class, students will reflect upon the statements of artists, scholars, journalists, social activists and others relating to the impact of media on society. Students will also examine and debate critical issues relating to the study of media in American society.

MEDI 205 Digital Media I (3 Credits)
Course introduces students to concepts behind 2-D digital artwork. Students learn how to work with photographic images, how to create bitmap graphics and develop and create ideas using Adobe Photoshop.
Pre-Requisite(s): Medi 110

MEDI 209 Critical Development of Television (3 Credits)

MEDI 210 Sound Production (3 Credits)
This course is an introduction to the theory and technique of monophonic sound production as used in radio, recording, television and film. Studio exercises include the use of microphones, audio consoles, sound effects, music, tape editing and tape manipulation.
Co-Requisite(s): MEDI 110 Foundations of Media Design.

MEDI 215 Introduction to International Cinemas (3 Credits)
This survey course introduces students to a variety of films and related social, cultural, historical, and aesthetic issues from film-producing nations around the world, other than the United States. Films screened and discussed may include experimental, independent, fiction, and non-fiction texts from the 1930s to the present.

MEDI 224 Analysis of Cinema: Script Writing (3 Credits)
Through screening and analyzing successful films, this course reveals how information is communicated through visual means, how action is used to build dramatic momentum, how dialog is used in scene construction and what makes a character credible and complex. Films are shown in class followed by a scene-by-scene analysis. Students are required to do their own analysis of two films in the course of the term.

MEDI 230 Photography I (3 Credits)
This is a basic course in black and white photography providing the student with both fundamental theory and practical application of the camera, film processing and printing, on which all commercial and fine art photography is based. Required: Manual 35mm camera and light meter.

MEDI 250 The Future of Media (3 Credits)
Course introduces the student to writing and developing works of new video and studio formats. Students will work on creating scripts, outlines, and treatments for music videos, industrial, scripted audio broadcasts, and other short pieces. Designed as a project-oriented workshop, the course will focus on a specific project each semester. Topics will be announced prior to the start of the semester.

MEDI 255 Media Revolution of the 1960s (3 Credits)
In this course, students will examine the impact of electronic media on the social and political climate of the 1960s. Through lecture, video illustration, workshops, written reflections and discussions, students will become familiar with the salient issues of the decade and of the profound impact new media had in framing those issues and contributing to accompanying changes in perspectives, understandings and behavior.

MEDI 260 Fantastic in Film and Television (3 Credits)
This course examines a variety of films and television programs identified as "fantastic" by traditional inclusion in modes such as Science Fiction, fantasy, and horror. Topics for analysis may include fairytales, folklore, comic books, television programs, and films which encourage the audience to question the "reality" of events, locations, and characters.

MEDI 302 Film Genre: French Film (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 or MEDI 103

MEDI 303 Film Genre: Alfred Hitchcock (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 304 Cinema and Media Studies: Film Noir (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 306 Film Genre: Western (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 307 Cinema and Media Studies: Science Fiction (3 Credits)
Cinema & Media Studies is a detailed study of one particular film subject, director or national cinema.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 310 MultipleTrack Music Production (3 Credits)
This course is the continued exploration of the sound studio for stereophonic, dramatic and musical production, sound synthesis and audio collage. Audio as an integral part of film and TV production is emphasized.
Pre-Requisite(s): MEDI 110 Foundations of Media Design and MEDI 210 Audio Production.

MEDI 311 Video Production I (3 Credits)
Video Production I is a hands-on, participatory course in the theory and practice of video production. The emphasis is on the student becoming both a competent technician as well as a thinking producer. The technical basics of how video cameras work and how video signals are mixed and manipulated will be covered. While the primary focus is on multi-camera studio production, there is also work in camcorder field production and basic editing. Students write, produce and direct a studio project alone or with a partner.
Pre-Requisite(s): MEDI 110 Foundations of Media Design and MEDI 210 Audio Production.

MEDI 312 Film Production I (3 Credits)
This course introduces 16mm film production to students. Students learn the theoretical and practical applications of reflex viewing and focusing, editing, and montage through a progression of lecture/discussions and exercises of increasing complexity. n.
Pre-Requisite(s): MEDI 110 and MEDI 210

MEDI 320 Radio Production (3 Credits)
This course provides an advanced exploration of the use of the sound studio for stereophonic, dramatic and musical productions, sound synthesis, advanced signal processing and audio collage.
Pre-Requisite(s): MEDI 110 Foundations of Media Design and MEDI 210 Audio Production.

MEDI 321 Film Genre: The Musical (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 322 Cinema and Media Studies: Horror (3 Credits)
Cinema and Media Studies is a detailed study of one particular film subject, director or national cinema.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 324 Film Genre: Orson Welles (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 325 Film Genre: Italian Film (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 326 Cinema and Media Studies: Avant-Garde (3 Credits)
Cinema and Media Studies is a detailed study of one particular film subject, director or national cinema.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 327 Cinema and Media Studies: Women in Film (3 Credits)
Cinema and Media Studies is a detailed study of one particular film subject, director or national cinema.
Pre-Requisite(s): MEDI 102 or MEDI 103

MEDI 328 Film Genre:Latin-American Film (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 329 Cinema and Media Studies: Documentary (3 Credits)
Cinema and Media Studies is a detailed study of one particular film subject, director or national cinema.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 330 Media Writing (3 Credits)
This course introduces writing for the media. Students move from writing profiles, opinion pieces and news reporting, through interviewing assignments, and radio and television news. Journalistic ethics and legal issues are also discussed.

MEDI 331 Screenwriting (3 Credits)
This course introduces the fundamentals of writing for film. Students experience the same creative process as a professional screenwriter, moving from the initial concept, to completing a 30-page screenplay for a half-hour film. Plot structure, character development and economical dialogue is emphasized. Scenes and sequences from well-known films are analyzed in class. (Note: Students who have successfully completed this course may elect to continue their work in an independent study under supervision of the instructor.)

MEDI 332 Writing Commercial Copy (3 Credits)
This course is an introduction to persuasive writing and to the creative/conceptual side of the advertising business. Students research and develop ad campaigns, transforming their strategies into concrete executions for print, radio and television. The history of advertising and theories of consumer behavior, as well as the legal and ethical environment are also discussed.

MEDI 333 Film Production II (3 Credits)
This course is an advanced production course in which students create a sound sync movie. Students have the opportunity to explore the potential of sound on film and to discover the possibilities of manipulating time and space through the editing process. A major emphasis will be placed on the technical and aesthetic problems involved in lighting design, pre-production planning and post-production editing. Professional, standard 16mm equipment is used in all phases of production.
Pre-Requisite(s): MEDI 110 Foundations of Media Design, MEDI 210 Audio Production, and MEDI 312 Film Production I

MEDI 335 Cinema and Media Studies: Race/Ethnicity in Film (3 Credits)
Cinema and Media Studies is a detailed study of one particular film subject, director or national cinema.
Pre-Requisite(s): MEDI 102 or MEDI 103

MEDI 336 Cinema and Media Studies: Contemporary European Film (3 Credits)
Cinema and Media Studies is a detailed study of one particular film subject, director or national cinema.
Pre-Requisite(s): MEDI 102 or MEDI 103

MEDI 338 Film Genre: American Directors (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 Development of Film I or Pre-Requisite(s): MEDI 103 Development of Film II

MEDI 339 Film Genre: Male Image in Film (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 Development of Film I or Pre-Requisite(s): MEDI 103 Development of Film II

MEDI 343 Film Genre: John Ford (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 or MEDI 103

MEDI 346 Film Genre: Contemporary Black (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 Development of Film I or MEDI 103 Development of Film II

MEDI 347 Film Genre:Films of the 60'S (3 Credits)

MEDI 348 Film Genre:Films of 80's-90's (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

MEDI 349 Film Genre: (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.
Pre-Requisite(s): MEDI 102 or MEDI 103

MEDI 350 Film Genre: Film Music (3 Credits)
Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

MEDI 351 Cinema & Media Studies: Asian Film (3 Credits)
Cinema & Media Studies is a detailed study of one particular film subject, director or national cinema.
Pre-Requisite(s): MEDI 102 or MEDI 103

MEDI 357 Practicum TV Production (3 Credits)

MEDI 362 Strange Fruit: A Song and Its Legacy (3 Credits)
Southern trees bear a strange fruit. Blood on the leaves and blood at the root. These are the opening words to one of the world's most famous protest songs, named "Song of the Century" by Time Magazine in 1999. Its music and lyrics are often attributed to Billie Holiday, who first integrated nightclub. The song's history spans many of the great social movements of the 20th century, from the history of lynching to Communism and anti-Communism to the alliance between American Jews and African-Americans in the struggle for civil rights. This course examines Strange Fruit's social history, from its authorship in the mid 1930's through contemporary resonance with issues of racial and social justice and injustice. Students will study the song in the context of early twentieth-century social history, investigating how the song resonates in literature, art, politics, and culture.
Pre-Requisite(s): 8 Gen Ed Courses across Tier 1 and Tier 2.

MEDI 366 Cinema (3 Credits)

MEDI 401 Issues in Media Arts (3 Credits)
An analytic consideration of recurring contemporary controversies in the electronic media, such as competition versus protectionism; diversification versus concentration of control; freedom of expression versus mandated programming responsibility; cable franchising, and federal funding for public broadcasting. Laws, administrative regulations and procedures, and court decisions are examined in detail.

MEDI 402 Film Aesthetics (3 Credits)
This course is an advanced analysis/critical thinking class that requires extensive reading and writing. Students should expect to complete between 18-60 pages of revised writing during the semester. Class participation and in-class exercises stress close analysis of film texts; students must also view several films on their own time, outside of class. Students should have a working familiarity with technical aspects of video and film production. Students study Classical Hollywood narrative films, foreign films, art cinema, and independent films as a means of examining stylistic and technical choices, and their impact on the subject, themes, characters, and components of film and video.
Pre-Requisite(s): MEDI 102 Development of Film I or Pre-Requisite(s): MEDI 103 Development of Film II

MEDI 408 Basic Interactive Media (3 Credits)
Interactive Media is a course for students with some expertise in the digital field. It introduces a wide variety of approaches to web-based interactivity based on Macromedia Flash software. Students are exposed to various vector based multimedia creation techniques, vector animation and basic Action Script Programming elements.
Pre-Requisite(s): MEDI 110 Foundations of Media Design and MEDI 205 Digital Media 1

MEDI 409 Advanced Interactive Media (3 Credits)
Advanced Interactive Media is an advanced course in multimedia authoring using Macromedia Director and Lingo. This class covers both conceptual interactive problems and Object Oriented Programming in Lingo.
Pre-Requisite(s): MEDI 205 Digital Media 1, and MEDI 110 Foundations of Media Design

MEDI 410 Video Field Production (3 Credits)
Video Field Production covers all stages of single channel remote television production, from writing a proposal to post-production editing. Careful pre-production planning and thoughtful structuring of projects will be stressed. Production skills involving camera, lighting, and audio are covered, as well as both linear and computer-based non-linear editing. After completion of a series of short exercises, which are designed to build an understanding of each step of the video making process, students each produce a final project. Critique and analysis of completed works is a critical component of the course. This is a cross-genre course in which documentary, narrative, and experimental forms are all discussed.
Pre-Requisite(s): MEDI 110 Foundations of Media Design, and MEDI 210 Audio Production, and MEDI 311 Video Production

MEDI 411 Advanced Video Production (3 Credits)
Advanced Video emphasizes students' evolution as video producers and the development of the directorial "voice". This course concentrates more on ideas, conceptual issues and storytelling than on technical instruction. A considerable amount of time is spent screening, discussing and analyzing works by outside directors. Video will be examined as a distinct medium with its own history, course of development, and aesthetics. Contemporary trends in independent video production are explored, the relationship of form to content is discussed and issues of genre, ethics, journalism and narrative are explored. Each student will produce several exercises designed to explore these issues as well as an independent final project.
Pre-Requisite(s): MEDI 110, MEDI 210 and MEDI 311

MEDI 412 Film Directing (3 Credits)
This course is an advanced examination of directorial manipulation and control of the components of film production including ideas, actors and equipment. Students prepare or continue directorial projects, focusing on location issues, crew breakdowns, scheduling and practical solutions to production work. MEDI 412 Pre-Requisite(s): MEDI 110, MEDI 210, and MEDI 312.
Pre-Requisite(s): MEDI 110, MEDI 210, and MEDI 312.

MEDI 413 Television Production Workshop (3 Credits)
Functioning as a number of integrated film and video production units, students create features that will be cablecast. Faculty and students also select the features to be contained in each program and critique the course's output on a regular basis. A professional approach to production and distribution is stressed.
Pre-Requisite(s): MEDI 110, MEDI 210, and MEDI 311.

MEDI 414 Film Post Production (3 Credits)
This course studies film editing as an art form. Previously shot footage is analyzed and edited according to principles of continuity and montage. The many problems facing the filmmaker after the film is shot are also discussed in depth, including building soundtracks, ADR and Foley, and sound mixing/editing.
Pre-Requisite(s): MEDI 110, MEDI 210, and MEDI 312

MEDI 415 Film/Computer Animation (3 Credits)
This is an aesthetic as well as a technical course designed to combine traditional film animation techniques with modern computer graphics. Basic techniques in lighting, sound, movement and background are also discussed.
Pre-Requisite(s): MEDI 110 and MEDI 205 OR Permission of Instructor

MEDI 416 Film/Television Lighting (3 Credits)
This course studies the functional and aesthetic applications of lighting for color, black and white, interiors and exteriors in film and video. Pre-requisite: MEDI 110 Foundations of Media Design, MEDI 210 Audio Production, and MEDI 311 Video Production I or MEDI 312 Film Production I.
Pre-Requisite(s): MEDI 110 and MEDI 210 and MEDI 311 or MEDI 312

MEDI 417 Advanced Cinematography: Film Practicum (3 Credits)
This is an advanced seminar designed to expand the filmmakers' skill in budgeting, production management, lighting, cinematography, filters, gels and various film stocks. Technical aspects from choice of lens to roles and responsibilities of the camera crew are examined.
Pre-Requisite(s): MEDI 110, MEDI 210, and MEDI 312.

MEDI 418 Human Conflict in Film (3 Credits)
Through the medium of film, this course explores the various crisis situations that people may confront in their lives. Students' perspectives are broadened through discussions of philosophy and ethics. Various filmmaking approaches and expository techniques are analyzed.
Pre-Requisite(s): MEDI 102 or MEDI 103

MEDI 419 Digital Media II (3 Credits)
This course is an advanced-level continuation of MEDI 205 Introduction to Digital Media. Students explore movement and animation with the medium of computer graphics. State-of-the-art computer systems are utilized to prepare students for entry-level positions and computer animation apprenticeships. Studio course.
Pre-Requisite(s): MEDI 110 and MEDI 205

MEDI 420 Media Arts Seminar (3 Credits)
This course is a series of discussions that bring media students together with creative and managerial media practitioners, all leading professionals in their respective fields. Students are required to write a final paper relating the seminar material to their own career orientations.
Pre-Requisite(s): MEDI 110 and MEDI 210

MEDI 422 Multi-Media Production (3 Credits)
This is an advanced course providing a rigorous orientation for multi-media production. Through assignments in pre-production planning, design, photography, audio and editing, students explore the processes and principles of media making. Students submit a notebook/journal, research a major film or video maker, view films and videotapes, screen and submit written critiques of work on a weekly basis, and collaborate on the design and execution of a senior thesis project using a variety of media in their work. Emphasis is placed on a professional approach to production. Students are encouraged to prepare their work for entry in festival competitions.
Pre-Requisite(s): MEDI 110, MEDI 205, MEDI 210, MEDI 311, and MEDI 312.

MEDI 423 Sound Post-Production (3 Credits)
This is an advanced course in sound where music and other sound recordings are edited and analyzed. The problems facing the sound technician and audio engineer are explored in depth.
Pre-Requisite(s): MEDI 110 and MEDI 210

MEDI 424 Post-Production Techniques in Video (3 Credits)
This is an advanced-level course on editing as both a technical and creative process. The course directs students to refine their technical skills in non-linear digital editing, as well as taking into consideration conceptual aspects of storytelling structure and technique. Studio course.
Pre-Requisite(s): MEDI 110, MEDI 210, and MEDI 311.

MEDI 430 Honors I (3 Credits)
This is an opportunity for students of proven ability to pursue an area of advanced independent study. An instructor who will supervise their work must recommend them. Pre-requisite: Permission of the Instructor and Chairperson.
Pre-Requisite(s): Permission of the Instructor and Chairperson

MEDI 431 Honors II (3 Credits)
This is an opportunity for students of proven ability to pursue an area of advanced independent study. An instructor who will supervise their work must recommend them.
Pre-Requisite(s): Permission of the Instructor and Chairperson and MEDI 430

MEDI 492 Independent Study Media Arts (3 Credits)

MEDI 1102 Development of Film I - Honors (4 Credits)
This course presents an historical approach to the development of the motion picture as an international art form, and the film industry from its inception through the 1940s. Classes consist of viewing films and discussing them in terms of social history and cinematic development.

MEDI 1103 Dev of Film II (Honors) (3 Credits)
A continuation of MEDI 102, this course screens and analyzes films from the 1950s to the present. Lectures explore related social issues and cinematic art. Note: It is recommended that students take MEDI 102 Development of Film I before enrolling in this course.

Media Arts, B.A.

Completion of this major prepares one for a career as a production assistant, research assistant, script advisor, or post-production assistant. Continued study may include a master's and/or doctoral degree in media studies or a master of fine arts degree in production or film studies.

Students are accepted in the Media Arts major only after review by the department. Majors must maintain a minimum grade point average of 2.0 to graduate with a degree in Media Arts.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

Minimum GPA Requirement for Graduation: 2.0
Total Major Hours: 53

Code	Title	Credits
Required Courses		**33**
MEDI 102	Development of Film I	3

MEDI 110	Foundations of Media Design	3
MEDI 130	The History of Media	3
MEDI 204	Media in American Society	3
MEDI 205	Digital Media I	3
MEDI 210	Sound Production	3
MEDI 311	Video Production I	3
MEDI 312	Film Production I	3
MEDI 330	Media Writing	3
or MEDI 331	Screenwriting	
MEDI 402	Film Aesthetics	3
MEDI 422	Multi-Media Production	3
Co-Op Internship (must have completed MEDI 110, 210, 311 & 312, and have a GPA of at least 2.5)		**2**
Restricted Electives: 18 credits are required, with a minimum of 12 credits in production courses:		**18**
PRODUCTION ELECTIVES		
MEDI 230	Photography I	3
MEDI 250	The Future of Media	3
MEDI 310	MultipleTrack Music Production	3
MEDI 320	Radio Production	3
MEDI 330	Media Writing	3
MEDI 331	Screenwriting	3
MEDI 333	Film Production II	3
MEDI 408	Basic Interactive Media	3
MEDI 409	Advanced Interactive Media	3
MEDI 410	Video Field Production	3
MEDI 411	Advanced Video Production	3
MEDI 412	Film Directing	3
MEDI 413	Television Production Workshop	3
MEDI 414	Film Post Production	3
MEDI 415	Film/Computer Animation	3
MEDI 416	Film/Television Lighting	3
MEDI 417	Advanced Cinematography: Film Practicum	3
MEDI 419	Digital Media II	3
MEDI 423	Sound Post-Production	3
MEDI 424	Post-Production Techniques in Video	3
THE FOLLOWING MAY COUNT AS EITHER PRODUCTION OR THEORY ELECTIVES - AS DETERMINED BY THE CHAIRPERSON		
MEDI 430	Honors I	3
MEDI 431	Honors II	3
THEORY ELECTIVES		
MEDI 302	Film Genre: French Film	3
MEDI 303	Film Genre: Alfred Hitchcock	3
MEDI 304	Cinema and Media Studies: Film Noir	3
MEDI 306	Film Genre: Western	3
MEDI 307	Cinema and Media Studies: Science Fiction	3
MEDI 321	Film Genre: The Musical	3
MEDI 322	Cinema and Media Studies: Horror	3
MEDI 324	Film Genre: Orson Welles	3
MEDI 325	Film Genre: Italian Film	3
MEDI 326	Cinema and Media Studies: Avant-Garde	3
MEDI 327	Cinema and Media Studies: Women in Film	3
MEDI 328	Film Genre:Latin-American Film	3
MEDI 329	Cinema and Media Studies: Documentary	3
MEDI 335	Cinema and Media Studies: Race/Ethnicity in Film	3
MEDI 336	Cinema and Media Studies: Contemporary European Film	3
MEDI 338	Film Genre: American Directors	3
MEDI 339	Film Genre: Male Image in Film	3
MEDI 343	Film Genre: John Ford	3
MEDI 346	Film Genre: Contemporary Black	3
MEDI 348	Film Genre:Films of 80's-90's	3
MEDI 349	Film Genre:	3
MEDI 350	Film Genre: Film Music	3
MEDI 351	Cinema & Media Studies: Asian Film	3
MEDI 418	Human Conflict in Film	3
MEDI 420	Media Arts Seminar	3
Total Media Credits		**53**

Freshman

Semester 1		**Credits**
MEDI 102	Development of Film I	3
	Credits	**3**
Semester 2		
MEDI 110	Foundations of Media Design	3
MEDI 130	The History of Media	3
MEDI 210	Sound Production	3
	Credits	**9**

Sophomore

Semester 1		
MEDI 204	Media in American Society	3
MEDI 205	Digital Media I	3
	Credits	**6**
Semester 2		
MEDI 330 or MEDI 331	Media Writing or Screenwriting	3
MEDI 311	Video Production I	3
	Credits	**6**

Junior

Semester 1		
MEDI 312	Film Production I	3
200-300 Level Media Arts Elective		3
200-300 Level Media Arts Elective		3
	Credits	**9**
Semester 2		
200-300 Level Media Arts Course		3
200-300 Level Media Arts Course		3
	Credits	**6**

Senior

Semester 1		
MEDI 402	Film Aesthetics	3
300-400 Level Media Arts Elective		3
Media Cooperative Education		2
	Credits	**8**

Semester 2		
MEDI 422	Multi-Media Production	3
300-400 Media Arts Elective		3
	Credits	**6**
	Total Credits	**53**

Student Learning Outcomes

Upon completion of the Media Arts BA program, students will be able to:

1. Identify basic rules of visual composition and sound design.
2. Compare and contrast cinematic styles across film history.
3. Employ skilled craftsmanship in the making of their own media production.
4. Experiment working in different stylistic and technical genres in media production.
5. Analyze film and media with an understanding of changes in historical and cultural contexts.
6. Develop a body of advanced media productions.
7. Develop the writing skills necessary for integration in (and foundation for) media works.

Media Arts, Minor*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The Media Arts Department offers a minor in media arts for students interested in the creation, production, dissemination and use of digital media, film, cinema and media studies, and sound content. Application to the department chairperson is required for a review of records and to determine eligibility.

Code	Title	Credits
Minimum of 18 to 24 Credits to Complete Minor		
REQUIRED COURSES: 3 Credits		
MEDI 110	Foundations of Media Design	3
ELECTIVES: Select 5 to 7 Courses		
PRODUCTION ELECTIVES		
MEDI 230	Photography I	3
MEDI 250	The Future of Media	3
MEDI 310	MultipleTrack Music Production	3
MEDI 320	Radio Production	3
MEDI 330	Media Writing	3
MEDI 331	Screenwriting	3
MEDI 333	Film Production II	3
MEDI 408	Basic Interactive Media	3
MEDI 409	Advanced Interactive Media	3
MEDI 410	Video Field Production	3
MEDI 411	Advanced Video Production	3
MEDI 412	Film Directing	3
MEDI 413	Television Production Workshop	3
MEDI 414	Film Post Production	3
MEDI 415	Film/Computer Animation	3
MEDI 416	Film/Television Lighting	3
MEDI 417	Advanced Cinematography: Film Practicum	3
MEDI 419	Digital Media II	3
MEDI 423	Sound Post-Production	3
MEDI 424	Post-Production Techniques in Video	3
THE FOLLOWING MAY COUNT AS EITHER PRODUCTION OR THEORY ELECTIVES - AS DETERMINED BY THE CHAIRPERSON		
MEDI 430	Honors I	3
MEDI 431	Honors II	3
THEORY ELECTIVES		
MEDI 119	Film & Critical Issues	3
MEDI 215	Introduction to International Cinemas	3
MEDI 224	Analysis of Cinema: Script Writing	3
CINEMA & MEDIA STUDIES		
MEDI 302	Film Genre: French Film	3
MEDI 303	Film Genre: Alfred Hitchcock	3
MEDI 304	Cinema and Media Studies: Film Noir	3
MEDI 306	Film Genre: Western	3
MEDI 307	Cinema and Media Studies: Science Fiction	3
MEDI 321	Film Genre: The Musical	3
MEDI 322	Cinema and Media Studies: Horror	3
MEDI 324	Film Genre: Orson Welles	3
MEDI 325	Film Genre: Italian Film	3
MEDI 326	Cinema and Media Studies: Avant-Garde	3
MEDI 327	Cinema and Media Studies: Women in Film	3
MEDI 328	Film Genre:Latin-American Film	3
MEDI 329	Cinema and Media Studies: Documentary	3
MEDI 335	Cinema and Media Studies: Race/Ethnicity in Film	3
MEDI 336	Cinema and Media Studies: Contemporary European Film	3
MEDI 338	Film Genre: American Directors	3
MEDI 339	Film Genre: Male Image in Film	3
MEDI 343	Film Genre: John Ford	3
MEDI 346	Film Genre: Contemporary Black	3
MEDI 348	Film Genre:Films of 80's-90's	3
MEDI 349	Film Genre:	3
MEDI 350	Film Genre: Film Music	3
MEDI 351	Cinema & Media Studies: Asian Film	3
MEDI 418	Human Conflict in Film	3
MEDI 420	Media Arts Seminar	3

To register for a Cooperative Education internship, students must have completed MEDI 110, MEDI 210, MEDI 311, and MEDI 312, and have earned a minimum GPA of 2.5. 2 Co-op credits will count toward major requirements, and any additional Co-op credits will count toward elective requirements for graduation.

Music, Dance, and Theatre

Rossey Hall, Room 238

200-201-3151

New Jersey City University is proud to be fully accredited by the National Association of Schools of Music (NASM). We're home to vibrant student organizations, including Sigma Alpha Iota (a music sorority for women), Pi Mu Alpha Sinfonia (a music fraternity for men), as well as student chapters of the American String Teachers Association (ASTA), the International Association for Jazz Education, and the Music Educators National Conference.

Each year, our department hosts a fantastic lineup of concerts featuring students, faculty, and guest artists. Our talented music faculty also perform globally with orchestras, chamber music groups, musical theater productions, and jazz ensembles, often as soloists.

With a variety of degree tracks available, our Music, Dance, and Theatre Department offers students multiple pathways to explore their passion for music.

Min Kim (mkim@njcu.edu)
Professor of Music, Dance, and Theatre
Juilliard School of Music, B.M., M.M.; Eastman School of Music, D.M.A.

Marc Dalio (mdalio@njcu.edu)
Associate Professor of Music, Dance, and Theatre
Rowan University, B.M., Boston University, M.M

Amparo Fabra
Associate Professor of Music, Dance, and Theatre (Currently Interim Associate Dean for the Humanities, Arts and Social Sciences)
Conservatorio Superior de Música de Valencia,Valencia, Spain; The Brooklyn College Conservatory of Music, New York, M.M.; The Graduate Center, The City University of New York, Ph.D.

Martha Mooke
Associate Professor of Music, Dance and Theatre
State University of New York, Albany, B.A.; University of Massachusetts, Amherst, M.M.

Nathan Eklund
Faculty of Music, Dance and Theatre
William Paterson University, B.M.; New Jersey City University, M.M.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)" and "Graduate Requirements (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/music-dance-and-theatre/graduate-programs)"

- Music, B.A.
- Music-Multi Style String, B.A (https://catalog.njcu.edu/undergraduate/arts-sciences/music-dance-theatre/multi-style-strings-ba/)
- Music—Music Business, B.A.
- Music—Musical Theater, B.A.
- Performance-Instrumental, B.M.
  - Instrumental, B.M.
  - Instrumental with piano specialization, B.M.
- Performance—Voice, B.M.
- Performance—Jazz Studies, B.M. (p. 161)
- Music, Minor
- Graduate Programs

Music, Dance, and Theatre (MDT)

MDT 1XX Music Dance and Theatre Transfer Credit (0 Credits)

MDT 2XX Music, Dance and Theatre Transfer Credit (0 Credits)

MDT 101 Survey of Music (3 Credits)
This is an introductory course in music designed to develop the student's musical perception. The course provides a survey of the evolution of music focusing on Western Civilization and considers the relationship of the evolution to the total culture.

MDT 102 Modern Music (3 Credits)
This is a survey of the stylistic and national schools of composition that have developed since 1890. Included are impressionism, expressionism, primitivism, neo-classicism, serialism and the avant-garde music written since 1945. Developments in popular styles are also studied.

MDT 103 Music in the United States (3 Credits)
This is a survey of musical activities in the United States from the time of the Pilgrims to the present. Emphasis is placed on the variety of musical styles (e.g., folk, popular and art) and their interaction in American culture.

MDT 104 Music of the World's People (3 Credits)
This course is designed to encourage critical listening by bringing the student into direct contact with music of Western and non-Western cultures. It stresses the elements of music-rhythm, melody, harmony, texture, tone color-by studying and analyzing their juxtapositions, and their total effect on musical forms and styles of the world. Musical illustrations are analyzed not only in musical terms but in relation to important historical, geographical and ethnological factors.

MDT 105 African/Afro-American Music & Musicians (3 Credits)
This is a study of music at the height of the Traditional African Civilization, music transported to America from Africa and outgrowths of Afro-American music from the early period of American civilization to the present.

MDT 106 Jazz History (3 Credits)
A study of jazz in the context of the American cultural heritage is presented in this course. Its background, development, and other aspects of the art are treated historically and analytically, as are the performers from every period including contemporary rock-fusion. Emphasis is placed on aural perception of style.

MDT 107 Fundamentals of Music (3 Credits)
This course gives the general student a basic understanding of musical structure. Students develop an understanding of music fundamentals and learn how to utilize this knowledge through classroom piano performance and concert attendance.

MDT 108 Voice Class (3 Credits)
This is an introductory course for non-music majors who wish to improve their singing voices. Emphasis is placed on understanding and mastering basic vocal techniques, as well as developing the ability to perform simple works from the standard repertoire. The purpose of this course is to give students the tools to demonstrate artistic singing to others, both as a soloist or member of a vocal ensemble.

MDT 109 Musical Improvisation (3 Credits)
This course provides students with an opportunity to explore the fundamentals, techniques, and creative qualities of musical improvisation. Regular classroom meetings will be enhanced by museum tours, live performances, and presentations by guest artists. Additionally, students will investigate and discuss the historical, philosophical, political, psychological, scientific and social aspects of the creative process and aesthetic experiences as they relate to the arts in general.

MDT 110 Music and the City (3 Credits)
This course explores the artistic, cultural, historical, and social aspects of music development and performance in the contexts of urban environments. Students will be introduced to the craft of musical composition, performance, and aesthetic interpretation through readings and live performances of music in the city.

MDT 111 Introduction to Performance Arts (3 Credits)
This course involves a team-taught workshop in performance skills where students explore movement, acting, voice and improvisation. Readings and attendance at performance events are required.

MDT 112 History of Dance I (2 Credits)
Part of the Joffrey BFA program, History of Dance I outlines the history of the traditional ballet and modern/postmodern dance canons, which are divided equally throughout the semester. The course supports a basic historical context for both forms.

MDT 113 Acting I (3 Credits)
This course encourages the development of basic acting skills through theatre games improvisation and scene study. One section of the following three principal dance disciplines may be taken by a student to fulfill Area 3 requirements. The student may utilize other sections for major and elective credits. Readings, written assignments and attendance at performances are required for all sections.

MDT 114 Dance Technique - Ballet (3 Credits)
Course is a study of ballet skills including barre work with spatial and center study. Reading, written assignments and attendance at performances are required.

MDT 115 Dance Techniques: Modern (3 Credits)
A study of modern dance techniques designed to facilitate a fuller understanding and appreciation of the dancer's relationship to his/her body as a finely tuned and versatile instrument.

MDT 116 Dance Techniques: Jazz (3 Credits)
Basic movements inspired by jazz-rock and other popular musical idioms are explored through the American dance styles developed for recreational and theatrical performance in this course.

MDT 117 Health and Nutrition (2 Credits)
The Health and Nutrition course expands the student's working knowledge of healthy living and wellness within a special context of dance Students will be guided through the various dimensions of health and wellness, as well as ways to monitors and strengthen each facet of their well-being.
Prerequisite(s): Full major status and/or departmental consent.

MDT 118 Stagecraft (3 Credits)
An introduction to the principles and practices involved in the technical aspects of the theatre including set construction, scene painting, lighting, costuming, makeup and props are studied in this course. Backstage participation on production is required. (Spring semester)

MDT 119 Production of Musical Theater I (3 Credits)
This course offers practical experience in the mounting of a musical and exposes students to the artistic and technical aspects of production, including issues of theatrical collaboration. Readings and backstage participation are required. Course may be co-taught by music, dance and theater faculty.

MDT 120 Performance Studies II - Repertory (1 Credit)
Performance Studies II: Repertory comprises the rehearsal/preparation processes and the formal performances of ballet and contemporary dance forms.

MDT 122 Applied Music I (1.5 Credits)
Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year.
Co-requisite: MDT 121 Music Major Seminar & Large Ensemble

MDT 123 Applied Music II (1.5 Credits)
Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum Performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year.
Co-requisite: MDT 121 Music Major Seminar & Large Ensemble

MDT 124 Theory Studies I: Music Concepts (2 Credits)
Theory Studies I: Music Concepts provides an introduction to music that will be of benefit in the attainment of a professional level of ability as a performer and/or choreographer of dance. Topics include in-depth study of music theory and an overview of music history.

MDT 125 Contemporary and Modern Dance IB (2 Credits)
The second in an eight-course sequence, the Contemporary and Modern Dance IB course applies introductory principles and vocabulary of both contemporary dance and Horton technique. Students will build on the basic understanding of technical execution and performance quality, while emphasizing proper alignment and coordination.

MDT 126 Contemporary Partnering IB (1 Credit)
Contemporary Partnering IB applies principles of weight distribution and manipulation of the body in contact through complex phrase work. Tasks apply principles of weight sharing, counterbalance, and responsiveness. Proper execution and communication are emphasized.

MDT 127 Jazz and Commercial Dance IB (2 Credits)
Jazz and Commercial Dance IB is the second in an eight-course sequence which explores principles of jazz forms, theatre dance, and hip hop. Emphasis is placed on correct alignment, flexibility, core strength. Students will also learn terminology, history, and performance concepts.

MDT 128 Character Dance IB (1 Credit)
A continuation of Character IA, Character IB builds upon the previous semester's study of the embodied practices of character and folk dances from around the world. The components of this course extend, enrich, and inform the core technique of ballet.

MDT 129 Introduction to Harmony (2 Credits)
This course is a preparatory course in the fundamentals of music theory.

MDT 130 Introduction to Ear Training (2 Credits)
This course is a preparatory course in sight-singing and dictation.

MDT 131 Harmony I (2 Credits)
This course involves a study of diatonic harmony and elements of part writing using basic triads and the dominant. Figured-bass, melody harmonization and non-harmonic tones are also covered.

MDT 132 Ear-Training I (2 Credits)
This course includes the singing of melodies based upon diatonic scales. The movable "do" is used for both major and minor scales. Melodic and harmonic dictation is included in class and laboratory assignments.

MDT 133 Harmony II (2 Credits)
This course is a continuation of Harmony I, reviewing harmonization of a given part and introducing the six-four chords, cadences, modulation, the dominant seventh chords, the diminished seventh chords, and simple figured-bass. Pre-requisite: MDT 131 Harmony I.
Pre-Requisite(s): MDT 131 Harmony I

MDT 134 Ear-Training II (2 Credits)
This course is a continuation of Ear Training I, introducing more advanced sight singing and dictation examples. Harmonic dictation and sight singing include simple chromatic melodies.
Pre-Requisite(s): MDT 132 Ear-Training I

MDT 135 Keyboard Method I (1 Credit)
This course is a beginning course in piano emphasizing music reading, harmonization of melodies, transposition, creating simple piano accompaniments and playing basic chord progressions in major and minor keys.

MDT 136 Keyboard Method II (1 Credit)
This course is a continuation and further development of the keyboard skills gained in Keyboard Methods I, emphasizing music reading, harmonization of melodies, transposition, creating simple piano accompaniments, and playing basic chord progressions in major and minor keys.
Pre-Requisite(s): MDT 135 Keyboard Methods

MDT 137 Vocal Literature (1 Credit)
This is a course dedicated to the study and performance of standard vocal literature. Emphasis is on style, diction, text interpretation, and program building. Languages studied include English, Italian, German, French and Latin as well as some additional languages, such as Spanish and Russian. This course is strongly recommended for Vocal Performance majors.

MDT 138 Percussion Literature (1 Credit)
This course is a survey of the music written for individual percussion instruments, percussion ensembles, and percussion in the orchestral literature.

MDT 139 Jazz and Contemporary Dance IB (2 Credits)
The second in an eight-course sequence, Jazz and Contemporary Dance IB emphasizes the creation of a sound foundation for contemporary and jazz modalities through correct postural alignment, flexibility, and core strength. The dynamic expression encouraged through this aesthetic increases the dancer's proficiency in other dance forms.

MDT 140 Woodwind Literature (1 Credit)
This course is a survey of the music written for solo woodwinds and woodwind ensembles from the early Baroque period to the present day. These works are examined within the context of the instrumental development as well as the stylistic development of such forms as the sonata and the concerto.

MDT 141 Brass Literature (1 Credit)
This course is a survey of the music written for solo brass, brass ensembles, and brass in the orchestral literature.

MDT 142 Piano Literature (1 Credit)
This course is a survey of music written for piano.

MDT 143 Guitar Literature (1 Credit)
This course is a survey of music written for guitar and ensembles including the guitar.

MDT 144 Jazz Keyboard Harmony (1 Credit)
This is an introductory course to the jazz improvisation sequence of courses available to jazz majors (with the exception of jazz piano majors who should take MDT 136 Keyboard Jazz). The class provides students with the basic keyboard skills necessary to enable them to use the piano as a means for developing their improvisational abilities on their musical instrument.
Pre-Requisite(s): MDT 133 and MDT 134 and MDT 135

MDT 145 Men's Technique, Variations, and Partnering IB (2 Credits)
The second in an eight-course sequence, Men's Technique, Variations, and Partnering IB focuses on all technical skills specific to the male gender in the ballet modality. Students will spend 2 hours per week in Men's Technique, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 146 Vocal Methods I (1 Credit)
This is a voice class for music majors. Emphasis is on the development of a healthy vocal technique that enables the student to perform effectively as a soloist or member of a vocal ensemble. Singers' diction and text interpretation are also addressed through the study of selected works from the standard vocal repertoire.

MDT 147 Vocal Methods II (1 Credit)
This is a course for the music educator-in-training designed to prepare students for teaching others how to sing. This course provides an understanding of basic vocal techniques and principles of vocal pedagogy, with an emphasis on the healthy training of young voices.

MDT 148 Percussion Methods (1 Credit)
The purpose of this course is to provide the music education major with the ability to teach beginners to play percussion instruments. The basic rudiments of drumming and methodology of the percussion family, are included in this course.

MDT 149 String Methods (1 Credit)
This course is a survey of string instruction for beginners, including bowing, left-handed technique and study materials, with emphasis on violin.

MDT 150 Art of Accompanying (1 Credit)
Pianist, vocalists and instrumentalists are offered the opportunity to develop and enhance keyboard ensemble skills through class performances and discussions. This course is required for all piano majors (in lieu of Keyboard Methods); it is an elective for all other music majors.
Pre-Requisite(s): One year of applied instruction or evidence (through audition) of pianistic skills.

MDT 151 Intro to Keyboard (1 Credit)
Intro to Keyboard is a preparatory course in keyboard skills. It introduces basic concepts of music theory while learning to read music and playing the keyboard instrument.

MDT 152 Latin American Music Ensemble (1 Credit)
In this course, students will learn about and experience the music of Latin America. This course is open to students from all departments; music majors and non-music majors (audition required). In this practical study, students will engage in group performances, arranging, improvising, and will develop ensemble and presentation skills.

MDT 153 Concert Chorale (0.5 Credits)
This choir focuses on the preparation and performances of distinctive choral literature, with particular attention given to works in foreign languages and large works for chorus and orchestra. Continued development of techniques for ensemble singing and vocal production are stressed. Prerequisite: By audition only.

MDT 154 Concert Chorale (1 Credit)
This choir focuses on the preparation and performances of distinctive choral literature, with particular attention given to works in foreign languages and large works for chorus and orchestra. Continued development of techniques for ensemble singing and vocal production are stressed. Prerequisite: By audition only.

MDT 155 African Music in the Americas: Brazil and the United States (3 Credits)
Survey of the contributions by people of African descent to American and Brazilian music. Although music will be our primary focus, it will be necessary to discuss the historical, social, political, religious, and technological factors that helped shape the evolution and proliferation of African based musical genres in these two countries.

MDT 156 Pointe, Variations, and Partnering IB (2 Credits)
Pointe, Variations, and Partnering IB is the second in an eight-course sequence which focuses on all technical skills related to ballet technique en pointe. Students will spend 3 hours per week in Pointe, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 157 Character Dance IA (1 Credit)
Character IA is an in-depth study of the embodied practices of character and folk dances from around the world. The components of this course extend, enrich, and inform the core technique of ballet. This is the first course in a four-course sequence.

MDT 158 Ballet Technique IA (2 Credits)
Ballet Technique IA is and introduction to a course of study of ballet that will result in the attainment of a professional level of expertise. It is the first course in an 8-course sequence which emphasizes a sound foundation in correct postural alignment, flexibility and core strength, and artistic expression.

MDT 159 New Jersey City University Orchestra (0.5 Credits)
The orchestra is comprised primarily of NJCU students (graduate and undergraduate) with professionals added where needed. The orchestra performs full-length formal concerts and also Professional performers and MDT faculty are regularly featured as soloists.

MDT 160 New Jersey City University Orchestra (1 Credit)
The orchestra is comprised primarily of NJCU students (graduate and undergraduate) with professionals added where needed. The orchestra performs full-length formal concerts and also serves as the orchestra for the opera productions. Professional performers and MDT faculty are regularly featured as soloists.

MDT 161 Symphony Winds & Percussion (0.5 Credits)
This is a full sized concert band serving as a large ensemble requirement comprised of selected music majors and professional musicians. This ensemble performs on and off the university campus during the academic year. Requisite: By audition only.
Pre-Requisite(s): By audition only

MDT 162 Symphony Winds & Percussion (1 Credit)
This is a full sized concert band serving as a large ensemble requirement comprised of selected music majors and professional musicians. This ensemble performs on and off the university campus during the academic year.
Pre-Requisite(s): By audition only

MDT 163 Pointe, Variations, and Partnering IA (2 Credits)
Pointe, Variations, and Partnering IA is the first in an eight-course sequence which focuses on all technical skills related to ballet technique en pointe. Students will spend 3 hours per week in Pointe, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 164 Men's Technique, Variations, and Partnering IA (2 Credits)
The first in an eight-course sequence, Men's Technique, Variations, and Partnering IA focuses on all technical skills specific to the male gender in the ballet modality. Students will spend 2 hours per week in Men's Technique, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 165 Masters and Innovators in US: Billings to Tupac and Beyond (3 Credits)
This course examines U.S. composers and performers who ameliorated the art form. From musical, sociological, and historical perspectives, it analyses their creative process, effect on society, and how historians view them. Students evaluate historical documents, textbooks and music artifacts, and create projects in their areas of interest.

MDT 166 Exploring Western Music (3 Credits)
This course develops awareness on how music unfolds interrelated with arts and sciences, and it is a product of historical circumstances and social aesthetics. The course focuses on the transformation of music in the Western civilization from Ancient to current, and considers the relationship between music and the total culture.

MDT 167 World Music (3 Credits)
This course is designed to give an understanding of ethnomusicology and world music through the study of diverse musical traditions and techniques existing throughout the world. Students will discover these musical cultures by lectures, discussions, listening sessions, composing, transcribing, instrument building, film viewing and 'in class' music making.

MDT 168 Ballet Technique IB (2 Credits)
Ballet Technique IB is a continued course of study of ballet that will result in the attainment of a professional level of expertise. It is the second course in an 8-course sequence which emphasizes a sound foundation in correct postural alignment, flexibility and core strength, and artistic expression.

MDT 169 Guitar Ensemble (0.5 Credits)

MDT 171 Chamber Singers (0.5 Credits)
This course includes a small vocal ensemble devoted to the preparation and performance of advanced choral music. The course is centered on intensive training in ensemble and choral singing. The Chamber Singers perform both on and off campus.
Pre-Requisite(s): By audition only

MDT 172 Chamber Singers (1 Credit)
This course includes a small vocal ensemble devoted to the preparation and performance of advanced choral music. The course is centered on intensive training in ensemble and choral singing. The Chamber Singers perform both on and off campus.
Pre-Requisite(s): By audition only

MDT 173 Opera Workshop (0.5 Credits)
This course includes an introduction to opera through the preparation and performance of a role in a fully staged opera production. Participation may range from being a member of the chorus to performing a leading role.

MDT 174 Opera Workshop (1 Credit)
This course includes an introduction to opera through the preparation and performance of a role in a fully staged opera production. Participation may range from being a member of the chorus to performing a leading role.

MDT 175 Jazz Vocal Ensemble (1 Credit)
This is a small jazz vocal group, which provides students with the opportunity of singing vocal ensemble material based on published arrangements as well as those written specifically for the ensemble. Students must read music.

MDT 177 Music Theatre Workshop (0.5 Credits)
This course is an introduction to musical theatre through the preparation and performance of a role in a fully staged musical theatre production. Participation may range from being a member of the chorus to performing a leading role.

MDT 178 Music Theatre Workshop (1 Credit)
This course is an introduction to musical theatre through the preparation and performance of a role in a fully staged musical theatre production. Participation may range from being a member of the chorus to performing a leading role.

MDT 179 Jazz and Contemporary Dance IA (2 Credits)
The first in an eight-course sequence, Jazz and Contemporary Dance IA emphasizes the creation of a sound foundation for contemporary and jazz modalities through correct postural alignment, flexibility, and core strength. The dynamic expression encouraged through this aesthetic increases the dancer's proficiency in other dance forms.

MDT 180 The Contributions of Women Composers to the Art of Musical Composition (3 Credits)
This course will examine the musical achievements of some prominent women composers and the social attitudes of various historical periods, ethnic influences on Western cultures, as well as the physical and psychological obstacles women composers have endured in order to win recognition in their artistic endeavors.

MDT 181 Theatre Orchestra (0.5 Credits)
This is an ensemble that affords the student the opportunity to perform in a pit orchestra setting for musical theater productions.
Pre-Requisite(s): By audition only

MDT 182 Theatre Orchestra (1 Credit)
This is an ensemble that affords the student the opportunity to perform in a pit orchestra setting for musical theater productions.

MDT 183 Chamber Ensembles (0.5 Credits)
These ensembles are composed of various combinations of instrumentalists, from 2-6 players in each group, which rehearse every week and perform at least twice per semester.

MDT 184 Chamber Ensembles (1 Credit)
These ensembles are composed of various combinations of instrumentalists, from two to six players in each group, which rehearse every week and perform at least twice per semester.

MDT 185 Jazz and Commercial Dance IA (2 Credits)
Jazz and Commercial Dance IA is the first in an eight-course sequence which explores principles of jazz forms, theatre dance, and hip hop. Emphasis is placed on correct alignment, flexibility, core strength. Students will also learn terminology, history, and performance concepts.

MDT 186 Contemporary and Modern Dance IA (2 Credits)
The first in an eight-course sequence, the Contemporary and Modern Dance IA course applies introductory principles and vocabulary of both contemporary dance and Horton technique. Students will build on the basic understanding of technical execution and performance quality, while emphasizing proper alignment and coordination.

MDT 187 Performance Studies I - Repertory (1 Credit)
Performance Studies I: Repertory comprises the rehearsal/preparation processes and the formal performances of ballet and contemporary dance forms.

MDT 188 Contemporary Partnering IA (1 Credit)
Contemporary Partnering IA applies principles of weight distribution and manipulation of the body in contact through complex phrase work. Tasks apply principles of weight sharing, counterbalance, and responsiveness. Proper execution and communication are emphasized.

MDT 189 Percussion Ensemble (0.5 Credits)
This course involves the study and performance of literature written specifically for percussion instruments. Non-music majors may qualify for this course. Prerequisite: By audition only.
Pre-Requisite(s): By audition only

MDT 190 Percussion Ensemble (1 Credit)
This course involves the study and performance of literature written specifically for percussion instruments. Non-music majors may qualify for this course. Prerequisite: By audition only.
Pre-Requisite(s): By audition only

MDT 191 Dance Studies I-Improvisation (1 Credit)
Dance Studies I: Improvisation is an introduction to improvisation for all levels of experience. Classes introduce and guide dancers through concepts for spontaneous movement invention, as a somatic practice and performative principle. Varied tasks encourage creativity for the expansion of a dancer's personal movement vocabulary in an explorative space.

MDT 194 Jazz Vocal Ensemble (1 Credit)
This course is designed to develop techniques of ensemble playing in original works for four-hands, one piano; four-hands, two pianos; eight-hands, two pianos and a limited number of transcriptions of orchestral works for two pianos.

MDT 196 Guitar Ensemble (1 Credit)
This course is designed to provide guitar majors with chamber music experience by playing works written or arranged for guitar ensemble. Requirement for all Guitar Majors.

MDT 197 Jazz Ensemble (0.5 Credits)
This ensemble performs a large spectrum of big band jazz from the Swing era through contemporary trends. The ensemble performs on and off campus and is featured with a major jazz artist each semester.
Pre-Requisite(s): By audition only

MDT 198 Jazz Ensemble (1 Credit)
This ensemble performs a large spectrum of big band jazz from the Swing era through contemporary trends. The ensemble performs on and off campus and is featured with a major jazz artist each semester.
Pre-Requisite(s): By audition only

MDT 199 Jazz Combos (0.5 Credits)
This course is designed to feature small ensemble playing with great emphasis given to developing the individual's improvisational skills. Student compositions and arrangements are encouraged. Prerequisite: By audition only.

MDT 200 Jazz Combos (1 Credit)
This course is designed to feature small ensemble playing with great emphasis given to developing the individual's improvisational skills. Student compositions and arrangements are encouraged.
Pre-Requisite(s): By audition only

MDT 205 Introduction to Music Education (2 Credits)
This course will serve as an orientation for students seeking a music education degree. Historical, sociological, philosophical, and psychological aspects of music teaching and learning will be studied. Students will learn about music education pedagogies, curricula, trends, assessments, and resources. School observations will be a component of the course.
Pre-Requisite(s): Music Education Majors

MDT 209 Music Now: Understanding Contemporary Music (3 Credits)
This course illustrates the theories behind noise, avant-garde classical music, pop, jazz, ambient, and electronic music. Students will examine the interconnections among such forms as minimalism, indeterminacy, musique concrete, experimental music, avant-rock, dub reggae, ambient music, Hip Hop, Techno, and other current trends through writings by philosophers, cultural theorists, and composers.

MDT 210 History of Popular Music in America (3 Credits)
This course will provide the student with an understanding of the history of American popular music, with a specific focus on the interaction of the music and its business methods in each era of the 20th century.

MDT 211 Music and Society in the Caribbean Region (3 Credits)
A study of selected Caribbean music and the societal pressures which underscore it, focusing on Cuba, the Dominican Republic, Haiti, Jamaica, and Puerto Rico, and also covering the musical profiles of other islands: Trinidad and Tobago, St. Lucia, Dominica, Guadeloupe and Martinique. Reading music notation is not required.

MDT 212 Theory Studies II - Dance Anatomy (2 Credits)
Theory Studies II – Dance Anatomy applies the basic anatomical principles for a deeper understanding of the dancing body. Students will gain a basic understanding of body mechanics and how that relates to the field of dance, including: extensive anatomical vocabulary, common dance-related injuries, and self-care techniques to treat/prevent injury.

MDT 213 Contemporary Partnering IIB (1 Credit)
Contemporary Partnering IIB applies principles of weight distribution and manipulation of the body in contact through complex phrase work. Tasks apply principles of weight sharing, counterbalance, and responsiveness. Proper execution and communication are emphasized.

MDT 215 Performance Studies IV - Repertory (1 Credit)
Performance Studies IV: Repertory comprises the rehearsal/preparation processes and the formal performances of ballet and contemporary dance forms.

MDT 216 Fundamentals of Acting (3 Credits)
This course is designed to contribute to the general understanding of theatre and the work of the actor. Theatre skills and improvisational technique serve as the basic tools essential to the development of all students of acting. This fundamental process will challenge and stimulate the student's creativity, then be practically applied in performance.

MDT 217 Jazz and Commercial Dance IIB (2 Credits)
Jazz and Commercial Dance IIB is the fourth in an eight-course sequence which explores principles of jazz forms, theatre dance, and hip hop. Emphasis is placed on correct alignment, flexibility, core strength. Students will also learn terminology, history, and performance concepts.

MDT 218 Movement for Actors (3 Credits)
This course is the first semester of Body Placement disciplines taught with specific application to the actor's craft. Problems of style and period movement, as well as pre-performance preparation, are included.

MDT 219 Contemporary and Modern Dance IIB (2 Credits)
The fourth in an eight-course sequence, the Contemporary and Modern Dance IIB course applies introductory principles and vocabulary of both contemporary dance and Horton technique. Students will build on the basic understanding of technical execution and performance quality, while emphasizing proper alignment and coordination.

MDT 220 Diction for Singers (3 Credits)
A required course for all music education majors studying applied voice, and one that is strongly recommended for vocal performance majors, this course addresses the basics of English, Italian, German, French and Latin diction, specifically as they apply to the singer's art.

MDT 222 Applied Music III (1.5 Credits)
Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year.
Co-Requisite(s): MDT 121 Music Major Seminar and Large Ensemble

MDT 223 Applied Music IV (1.5 Credits)
Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year.
Co-Requisite(s): MDT 121 Music Major Seminar and Large Ensemble

MDT 224 Dance Production (3 Credits)
Dance Production, an elective course within the NJCU/Joffrey Ballet School BFA curriculum, surveys elements of lighting design, stage management, set design, front of house management, costuming, and stage make-up/hair. The student emerges with a multi-faceted comprehension of production for dance.

MDT 225 Dance Studies II - Composition (1 Credit)
Dance Studies II - Dance Composition I establishes a basic understanding of dance composition, utilizing space, time, and kinesthetic response. The course culminates in the creation of a self-choreographed/performed solo. Varied tasks provide a platform for all students to understand and experience the creative process from a choreographic standpoint.

MDT 226 Character Dance IIB (1 Credit)
Character Dance IIB is a continuation of the in-depth study of the embodied practices of character and folk dances from around the world. The components of this course extend, enrich, and inform the core technique of ballet. This is the final course of a four-course sequence.

MDT 227 Jazz and Contemporary Dance IIB (2 Credits)
The fourth in an eight-course sequence, Jazz and Contemporary Dance IIB emphasizes the creation of a sound foundation for contemporary and jazz modalities through correct postural alignment, flexibility, and core strength. The dynamic expression encouraged through this aesthetic increases the dancer's proficiency in other dance forms.

MDT 228 Men's Technique, Variations, and Partnering IIB (2 Credits)
The fourth in an eight-course sequence, Men's Technique, Variations, and Partnering IIB focuses on all technical skills specific to the male gender in the ballet modality. Students will spend 2 hours per week in Men's Technique, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 229 Pointe, Variations, and Partnering IIB (2 Credits)
Pointe, Variations, and Partnering IIB is the fourth in an eight-course sequence which focuses on all technical skills related to ballet technique en pointe. Students will spend 3 hours per week in Pointe, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 230 Character Dance IIA (1 Credit)
Character IIA is an in-depth study of the embodied practices of character and folk dances from around the world. The components of this course extend, enrich, and inform the core technique of ballet. This is the third course in a four-course sequence.

MDT 231 Harmony III (2 Credits)
This course is a study of the harmonic vocabulary of the "common practice" period with emphasis on chromatic chords.
Pre-Requisite(s): MDT 133 Harmony II

MDT 232 Ear-Training III (2 Credits)
This course is a continuation of skills developed in MDT 124 Ear-training II with the introduction to alto and tenor clefs. Harmonic dictation includes seventh chords, chromatic harmony and modulatory material with more complex melodic and rhythmic patterns.
Pre-Requisite(s): MDT 134 Ear-Training II

MDT 233 Harmony IV (2 Credits)
This course is a continuation of Harmony III.
Pre-Requisite(s): MDT 231 Harmony III

MDT 234 Ear-Training IV (2 Credits)
This course is a continuation of MDT 232 Ear-Training III with the addition of more advanced and difficult chromatic melodies, as well as modal and atonal examples.
Pre-Requisite(s): MDT 232 Ear-Training III

MDT 235 Keyboard Method III (1 Credit)
This course is a continuation of MDT 136 Keyboard Methods II and includes a study of secondary chords used harmonically and melodically, complex rhythmic patterns, arpeggios, major and minor scales, improvisation and graded sight-reading materials. Selected compositions from the easier works of representative composers are included.
Pre-Requisite(s): 136 Keyboard Methods II

MDT 236 Keyboard Method IV (1 Credit)
This course is a continuation of MDT 136 Keyboards Methods II and includes a study of secondary chords used harmonically and melodically, complex rhythmic patterns, arpeggios, major and minor scales, improvisation and graded sight reading materials. Selected compositions from the easier works of representative composers are included.
Pre-Requisite(s): MDT 235 Keyboard Methods III

MDT 237 Ballet Technique IIA (2 Credits)
Ballet Technique IIA is a continued course of study of ballet that will result in the attainment of a professional level of expertise. It is the third course in an 8-course sequence which emphasizes a sound foundation in correct postural alignment, flexibility and core strength, and artistic expression.

MDT 238 Pointe, Partnering, and Variations IIA (2 Credits)
Pointe, Variations, and Partnering IIA is the third in an eight-course sequence which focuses on all technical skills related to ballet technique en pointe. Students will spend 3 hours per week in Pointe, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 239 Men's Technique, Variations, and Partnering IIA (2 Credits)
The third in an eight-course sequence, Men's Technique, Variations, and Partnering IIA focuses on all technical skills specific to the male gender in the ballet modality. Students will spend 2 hours per week in Men's Technique, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 240 Jazz and Contemporary Dance IIA (2 Credits)
The third in an eight-course sequence, Jazz and Contemporary Dance IIA emphasizes the creation of a sound foundation for contemporary and jazz modalities through correct postural alignment, flexibility, and core strength. The dynamic expression encouraged through this aesthetic increases the dancer's proficiency in other dance forms.

MDT 243 Jazz Improvisation I (2 Credits)
The craft of improvisation is explored in this course. Class time is devoted to developing each student's ability in this discipline through extensive work in ear training, jazz keyboard skills and written and playing exercises on one's major instrument.

MDT 244 Jazz Improvisation II (2 Credits)
This course is a continuation of MDT 243 Jazz Improvisation I. Class time is devoted to further exploration of the improvisational tools: harmonic language, scales, modes, chord progressions and melodic development. Students practice the applications of these musical elements through extensive classroom performance.

MDT 245 Jazz and Commercial Dance IIA (2 Credits)
Jazz and Commercial Dance IIA is the third in an eight-course sequence which explores principles of jazz forms, theatre dance, and hip hop. Emphasis is placed on correct alignment, flexibility, core strength. Students will also learn terminology, history, and performance concepts.

MDT 248 Woodwind Methods (1 Credit)
This course develops the knowledge and skills necessary to teach beginners how to play woodwind instruments. The course includes fingering techniques, articulation, embouchure and a survey of instrument brands mouth pieces, and teaching materials.

MDT 249 Brass Methods (1 Credit)
This course develops the knowledge and skills necessary to teach beginners how to play brass instruments. The course includes fingering techniques, articulation, embouchure and a survey of instrument brands, mouthpieces, and teaching materials.

MDT 250 Sing with Swing: An Introduction to Vocal Jazz (3 Credits)
This course serves as an introduction to the pedagogy and performance of vocal jazz music. Students will engage in a variety of activities including vocal jazz warm-ups, sight singing techniques, solo and ensemble performance, and individual research. Additionally, students will learn basic improvisation techniques and fundamentals of scat singing.

MDT 251 Contemporary and Modern Dance IIA (2 Credits)
The third in an eight-course sequence, the Contemporary and Modern Dance IIA course applies introductory principles and vocabulary of both contemporary dance and Horton technique. Students will build on the basic understanding of technical execution and performance quality, while emphasizing proper alignment and coordination.

MDT 252 History of Dance II (2 Credits)
History of Dance II surveys dance traditions of India, Bali, Java, Cambodia, China, Japan, and Africa, providing insights to the political, historical, and socioeconomic contexts of each region. Students will learn the interconnectedness between non-concertized dance forms and the concertized dance forms previously studied in the History of Dance I.

MDT 253 Ballet Technique II B (2 Credits)
Ballet Technique IIB is a continued course of study of ballet that will result in the attainment of a professional level of expertise. It is the third course in an 8-course sequence which emphasizes a sound foundation in correct postural alignment, flexibility and core strength, and artistic expression.

MDT 254 Contemporary Partnering IIA (1 Credit)
Contemporary Partnering IIA applies principles of weight distribution and manipulation of the body in contact through complex phrase work. Tasks apply principles of weight sharing, counterbalance, and responsiveness. Proper execution and communication are emphasized.

MDT 255 Music in an Urban Setting (3 Credits)
This course is a study of the ways in which the urban environment affects music and musical life and the ways in which music reflects the urban environment.

MDT 256 Current Jazz and Rock Music (3 Credits)
This course explores current musical trends in jazz and rock music. It includes a study of the components of rock and jazz, the effects of rock and jazz on other contemporary music styles, and the use of rock and jazz in school music curricula.

MDT 257 Broadway Vocal Audition Skills (1 Credit)
A performance oriented class for the singing actor. Emphasis is on exposure to and study of a musical theater singing audition, from interpretation of casting notice, designating type, song selection, to development of audition skills, etiquette and performance practice. Additional emphasis will be placed on augmenting each student's vocal technique to handle today's Broadway crossover demands. Each student will amass vocal repertoire for their audition use from musical theater and standard American song literature in varying styles, specifically geared to that individual's needs and capabilities.

MDT 259 Musical Composition (2 Credits)
This course is designed to develop and stimulate the writing of original musical compositions within the disciplines of various styles, techniques and aesthetic philosophies.

MDT 260 Piano Concerto Literature (1 Credit)

MDT 261 Piano Class (3 Credits)
This is a beginning course in piano for non-music majors who are interested in learning the basics of piano playing.

MDT 262 Piano Class II (3 Credits)
This is a course in piano instruction for non-music majors who are interested in continuing their development of keyboard facility beyond the introductory level.
Pre-Requisite(s): MDT 261 Piano Class I

MDT 265 Guitar Class (3 Credits)
This is a beginning course in guitar for non-music majors who are interested in learning the basics of guitar performance.

MDT 267 Jazz Workshop (3 Credits)
This course is a workshop designed to provide the non-jazz music major with the fundamental concepts of jazz phasing and jazz improvisation.

MDT 268 Computer Music I (3 Credits)
This course is a study of MIDI-Musical Instrument Digital Interface-as a performance and compositional tool using computer programs such as Master Track Pro, Encore and Finale to notate and sequence.

MDT 269 Computer Music II (3 Credits)
This course is a study of MIDI-Musical Instrument Digital Interface-as a performance and compositional tool using computer programs such as Master Track Pro, Encore and Finale to notate and sequence.

MDT 270 Piano Pedagogy (1 Credit)
This course is a survey and evaluation of various methods and principles of piano instruction at beginning and intermediate levels. Pedagogical readings and discussions and supervised teaching of both individual and group lessons are included.

MDT 271 Introduction to Theatre (3 Credits)
This course focuses on the relationship of text to performance. Readings, films, and attendance at performances are required in preparation for discussion and collaborative projects for classroom presentation which place theatre in the context of living experience.

MDT 275 The Musical: Theatre & Film (3 Credits)
This course is a survey of the American musical theater on stage and in motion pictures. The course includes attendance at performances.

MDT 278 New York Dance (3 Credits)
This course includes the study and experience of dances and styles that are available in New York City area. Instructor may choose one or more styles of dance as the focus. The study may include the attendance of dance concerts in order to better understand, and evaluating dance styles during class meetings in the context of the historical development of dance in the dance capital of the world.

MDT 279 Speech for Performance I (3 Credits)
This course involves the basic elements of vocal production: relaxation and breathing, leading to support, resonance, articulation, and pronunciation. A series of physical exercises of increasing complexity and difficulty, reinforced by peer evaluations, allows students to locate and free the voice that is natural to them.

MDT 280 Costume and Make-Up (3 Credits)
In this course, costuming as a function of movement and character is explored in an introduction to draping, cutting, sewing, shop organization and dealing with actors. The make-up portion deals with analyzing the planes and lines of the face so that they may be reinforced or changed.

MDT 281 Theatre Laboratory I (3 Credits)
This course involves a series of workshops in theatre-related disciplines taught by and reflecting the specialties of several members of the Dance and Theatre faculty and requiring intensive collaboration between students. A second semester (282) may be taken for four credits.

MDT 282 Theatre Laboratory II (4 Credits)
This course involves a series of workshops in theatre-related disciplines taught by and reflecting the specialties of several members of the Music, Dance & Theatre faculty and requiring intensive collaboration between students.

MDT 283 Rehearsal & Performance I (3 Credits)
This course involves theatre practicum leading to a public presentation. A second semester (MDT 284) may be taken.

MDT 284 Rehearsal & Performance II (3 Credits)
This course involves theatre or dance practicum with a guest artist or company leading to a public presentation. A second semester may be taken as 284.

MDT 288 Ballet (3 Credits)
This course is a continuation of MDT 114 Dance Tech—Ballet.

MDT 289 Jazz Dance II (3 Credits)
This course builds on the techniques developed in MDT 116 Dance Tech—Jazz.
Pre-requisite: MDT 116 Dance Techniques:Jazz

MDT 291 Tap Dance (3 Credits)
Tap dance is basic to performance in musical theatre and other popular dance forms. This course provides the fundamental vocabulary needed to perform rhythmic patterns with speed and clarity. Readings and attendance at performance events are required.

MDT 299 Dance Performance Workshop I (3 Credits)
This course is designed for students interested in dance production and focuses on the preparation of a dance concert, including elements of performance, design and management. A second semester (300) for four credits may be taken.

MDT 300 Dance Performance Workshop II (4 Credits)
This course is designed for students interested in dance production and focuses on the preparation of a dance concert, including elements of performance, design and management.
Pre-Requisite(s): MDT 299

MDT 303 Directing I (3 Credits)
This course encourages interpretation of plays and non-dramatic texts relating directly to theatre practice, with emphasis on the interrelationship of elements and the director's role as adapter.

MDT 305 Contemporary and Modern Dance IIIB (2 Credits)
The sixth in an eight-course sequence, the Contemporary and Modern Dance IIIB course applies intermediate principles and vocabulary of both contemporary dance and Graham technique. Students will build on the basic understanding of technical execution and performance quality, while emphasizing proper alignment and coordination.

MDT 306 Jazz and Commercial Dance IIIB (2 Credits)
Jazz and Commercial Dance IIIB is the sixth in an eight-course sequence which explores principles of jazz forms, theatre dance, and hip hop. Emphasis is placed on correct alignment, flexibility, core strength. Students will also learn terminology, history, and performance concepts.

MDT 310 Theory Studies III: Movement Analysis (2 Credits)
Movement Analysis, part of the Joffrey Ballet School BFA curriculum, is an introductory study of Laban/Bartenieff Fundamentals, the Feldenkrais Method, and Alexander Technique. Through examination of the mind/body connection in relationship to habitual movement patterns, students will find new ways of being and moving, thus resulting in unbridled choreographic freedom.

MDT 313 Acting II (3 Credits)
This course involves the application of skills developed in Acting I to scene study. A variety of dramatic texts are prepared, presented to the class, and critiqued. Emphasis is placed upon direct dramatic confrontation, analysis of text, and elementary character development.
Pre-Requisite(s): MDT 113 Acting I

MDT 314 Ballet Technique IIIA (2 Credits)
Ballet Technique IIIA is a continued course of study of ballet that will result in the attainment of a professional level of expertise. It is the fifth course in an 8-course sequence which emphasizes a sound foundation in correct postural alignment, flexibility and core strength, and artistic expression.

MDT 315 Modern Dance II (3 Credits)
The development of a strong muscular and kinesthetic response is emphasized in this course. Pre-requisite: MDT 115 Dance Tech-Modern.
Pre-requisite: MDT 115 Dance Techniques:Modern

MDT 316 West African Dance (3 Credits)
This course is a preparation of authentic African dances for public performance. Specific problems of design and management are discussed and solved. (Offered with African/Afro-American Studies.)

MDT 317 Dance Studies III – Dance Composition (1 Credit)
Dance Studies III - Dance Composition II utilizes knowledge from Dance Composition I to expand principles of creating from one onto multiple dancers. It culminates in a work set on a group of fellow students. The process provides prospective choreographers practice in communicating individual aesthetic with an emphasis on direction.

MDT 318 Performance Studies VI - Repertory (1 Credit)
Performance Studies VI: Repertory comprises the rehearsal/preparation processes and the formal performances of ballet and contemporary dance forms.

MDT 319 Production of Musical Theatre II (3 Credits)
This is a continuation of Production of Musical Theatre I. Prerequisite: MDT 119 Production Musical Theatre I.
Pre-Requisite(s): MDT 119 Production Musical Theater I

MDT 320 Performance Studies V - Repertory (1 Credit)
Performance Studies V: Repertory comprises the rehearsal/preparation processes and the formal performances of ballet and contemporary dance forms.

MDT 321 Jazz and Contemporary Dance IIIB (2 Credits)
The sixth in an eight-course sequence, Jazz and Contemporary Dance IIIB emphasizes the creation of a sound foundation for contemporary and jazz modalities through correct postural alignment, flexibility, and core strength. The dynamic expression encouraged through this aesthetic increases the dancer’s proficiency in other dance forms.

MDT 322 Applied Music V (1.5 Credits)
Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year.

MDT 323 Applied Music V (3 Credits)
For Performance Majors only. Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year.

MDT 324 Applied Music VI (1.5 Credits)
Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year.

MDT 325 Applied Music VI (3 Credits)
For Performance Majors only. Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year. Co-requisite: MDT 121 Music Major Seminar and Large Ensemble.

MDT 326 Dance Pedagogy (3 Credits)
Dance Pedagogy, part of the Joffrey Ballet School BFA curriculum, explores the art of teaching ballet. Students will learn elements of tactful, student-centric teaching which prepares them to teach introductory to advanced-level ballet technique within the studio. Students will attend lectures and also work in the studio for hands-on experience.

MDT 327 Jazz Improvisation and Composition: The Blues (3 Credits)
This is a hands-on undergraduate Improvisation and Composition course starting from the beginning of the Blues and Negro Spiritual's. It moves through the many decades and growth of the Blues Genre and Musical form. Starting with Blues legend WC Handy (St Louis Blues). This course will cover Traditional Blues, Jazz blues, Country Blues West coast blues, Bebop blues, Modal Blues, Rock Blues, and fusion Blues. Specific topics break down and analyze the blues scale and form from simple to complex. The 12-bar blues, the 16 bar blues and the 8 bar blues will be mastered and evolved according to each student's level of development.
Prerequisite(s): MDT 131 and MDT 132

MDT 328 Pointe, Variations, and Partnering IIIB (2 Credits)
Pointe, Variations, and Partnering IIIB is the sixth in an eight-course sequence which focuses on all technical skills related to ballet technique en pointe. Students will spend 3 hours per week in Pointe, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 329 Music History before 1750 (3 Credits)
This course is a study of the historical development of music beginning with Greek civilization and extending to the Classical Era.
Pre-Requisite(s): MDT 133 Harmony II

MDT 330 Music History after 1750 (3 Credits)
This course is a study of the historical development and literature of music from the Classical Era to the present.
Pre-Requisite(s): MDT 329 Music History Before 1750.

MDT 331 Men's Technique, Variations, and Partnering III B (2 Credits)
The fifth in an eight-course sequence, Men's Technique, Variations, and Partnering IIIB focuses on all technical skills specific to the male gender in the ballet modality. Students will spend 2 hours per week in Men's Technique, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 332 Pointe, Variations, and Partnering IIIA (2 Credits)
Pointe, Variations, and Partnering IIIA is the fifth in an eight-course sequence which focuses on all technical skills related to ballet technique en pointe. Students will spend 3 hours per week in Pointe, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 333 Men's Technique, Variations, and Partnering IIIA (2 Credits)
The fifth in an eight-course sequence, Men's Technique, Variations, and Partnering IIIA focuses on all technical skills specific to the male gender in the ballet modality. Students will spend 2 hours per week in Men's Technique, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 334 Jazz and Contemporary Dance IIIA (2 Credits)
The fifth in an eight-course sequence, Jazz and Contemporary Dance IIIA emphasizes the creation of a sound foundation for contemporary and jazz modalities through correct postural alignment, flexibility, and core strength. The dynamic expression encouraged through this aesthetic increases the dancer's proficiency in other dance forms.

MDT 335 Jazz and Commercial Dance IIIA (2 Credits)
Jazz and Commercial Dance IIIA is the fifth in an eight-course sequence which explores principles of jazz forms, theatre dance, and hip hop. Emphasis is placed on correct alignment, flexibility, core strength. Students will also learn terminology, history, and performance concepts.

MDT 336 Ballet Technique III B (2 Credits)
Ballet Technique IIIB is a continued course of study of ballet that will result in the attainment of a professional level of expertise. It is the sixth course in an 8-course sequence which emphasizes a sound foundation in correct postural alignment, flexibility and core strength, and artistic expression.

MDT 337 Form & Analysis (2 Credits)
This course addresses the structural and harmonic analysis of music literature as exemplified by music taken from all periods of music history.
Pre-Requisite(s): MDT 233 Harmony IV

MDT 338 Instrumental & Vocal Arranging (2 Credits)
This course is designed to explore classical arranging techniques for orchestra, concert band, chorus and chamber ensembles.

MDT 339 Jazz-Commercial Arranging (2 Credits)
This course is designed to present techniques of scoring for jazz orchestras, bands, and choral groups as well as various arranging techniques and styles used in modern commercial music (i.e., films, jingles, television, recordings).

MDT 342 18th-Century Counterpoint (2 Credits)
A study of the techniques of 18th-Century Counterpoint as exemplified by the inventions and sinfonias of J.S. Bach.
Pre-Requisite(s): MDT 233 Harmony IV

MDT 345 Instrumental Conducting (1 Credit)
Students work to develop the basic techniques of conducting, as apply particularly to working with instrumental ensembles. In addition to developing clarity of gestures, strong emphasis is placed on issues of intonation, score-reading, listening skills and interpretation.

MDT 346 Choral Conducting (1 Credit)
The elements of conducting which are unique to the choral art are developed, using musical examples from the standard choral repertoire. Offered each spring.

MDT 348 Guitar Methods (1 Credit)
The purpose of this course is to provide music majors who are not guitarists with the necessary tools to teach guitar in a class setting. Guitar majors are also allowed to take the class to learn the pedagogical approach and to hone their teaching skills.

MDT 351 Music Methods & Materials/Practices (3 Credits)
This course is designed to prepare students to teach music in schools, with a focus on elementary. Through mock teaching students learn various instructional approaches, developing and implementing lesson plans. This course is the companion course for Clinical Practice I.

MDT 352 Music for the Elementary School (2 Credits)
This is a methods course addressing the techniques and principles for teaching beginning band and recorder in the elementary schools. Students work with the class as a lab band. Required for piano, guitar and percussion music education majors; elective for other music education majors.

MDT 353 The Survey of the Music Business (3 Credits)
This is an introductory course that presents an overview of the music and entertainment industries. Historical development, contemporary practices and trends for the future are discussed. Topics include the record industry, music and the media, retail music, musical theatre, the orchestral world and publishing.

MDT 355 Contemporary and Modern Dance IIIA (2 Credits)
The fifth in an eight-course sequence, the Contemporary and Modern Dance IIIA course applies introductory principles and vocabulary of both contemporary dance and Graham technique. Students will build on the basic understanding of technical execution and performance quality, while emphasizing proper alignment and coordination.

MDT 356 Performance Studies III - Repertory (1 Credit)
Performance Studies III: Repertory comprises the rehearsal/preparation processes and the formal performances of ballet and contemporary dance forms.

MDT 370 Acting III (3 Credits)
This course examines modern and contemporary dramas by means of intensive scene work, with an emphasis on character development. Acting I and II are the usual prerequisites, though Acting II may be waived by permission of the instructor.

MDT 371 Acting IV:Style & Techniques (3 Credits)
This course involves the study of classical drama by means of intensive scene work, with an emphasis on developing a general approach to style and period drama and an understanding of the relationship of acting to the cultural and social sources of behavior.
Pre-Requisite(s): MDT 313 Acting II

MDT 372 Acting V: Comedy (3 Credits)
This course is an intensive study of comic techniques and styles, involving an examination, through improvisation and scene study, of characteristic classical and modern comic forms. Students learn the application of Commedia dell'Arte.

MDT 374 P. T. Barnum: The Greatest Showman (3 Credits)
This course examines the extraordinary life of P.T. Barnum (July 5, 1810 - April 7, 1891). Students will analyze the success of one of the most accomplished performers and businessmen of all time. They will realize how the arts, psychology, sociology, and history in the U.S. were all radically altered by the tenacity and drive of one 19th century visionary.
Pre-Requisite(s): 8 Gen Ed Courses across Tier 1 and Tier 2.

MDT 376 Directing II (3 Credits)
This course involves special projects for directors, including supervised preparation of a complete one-act play to be performed before the university community or toured (particularly for recruitment programs).

MDT 384 Arts Management I (3 Credits)
This course is concerned with the FRONT OF HOUSE-Training in organization, forms and formats related to Public Relations, House Management,Box Office, fiscal planning, personnel and space administration, with direct application to the Performing Arts.

MDT 385 Arts Management II (3 Credits)
Students work to develop an understanding of the non-profit performing arts administration environment, including non-profit arts organizations, concert management and live performance production.
Pre-Requisite(s): MDT 384

MDT 390 Music Business Law-Contracts, Copyright & Legal Aspects of Commercial Music Industry (3 Credits)
This course covers the legal practices and laws relating to the music business: agreements for live performances, records deals, artist management, band and business partnerships, publishing and video productions. Additional topics will include music rights and licensing, online marketing, digital rights management, sampling, copyright law, ethics, labor unions.
Pre-Requisite(s): MDT 384 and MDT 385

MDT 400 Contemporary and Modern Dance IVB (2 Credits)
The final course in an eight-course sequence, Contemporary and Modern Dance IVB applies intermediate principles and vocabulary of both contemporary dance and Graham technique. Students will build on the basic understanding of technical execution and performance quality, while emphasizing proper alignment and coordination.

MDT 401 Jazz and Commercial Dance IVB (2 Credits)
Jazz and Commercial Dance IVB is the final course in an eight-course sequence which explores principles of jazz forms, theatre dance, and hip hop. Emphasis is placed on correct alignment, flexibility, core strength. Students will also learn terminology, history, and performance concepts.

MDT 402 Dance Studies IV: Choreography (3 Credits)
Choreography IV encourages students to further develop their choreographic voice. In the course, students will build a process-oriented work from start to finish, which includes structure, feedback, and guidance from a professional choreographer. The course culminates with a fully-produced performance, which includes costume, lighting, and other elements.

MDT 403 Jazz and Contemporary Dance IV B (2 Credits)
The final course in an eight-course sequence, Jazz and Contemporary Dance IVB emphasizes the creation of a sound foundation for contemporary and jazz modalities through correct postural alignment, flexibility, and core strength. The dynamic expression encouraged through this aesthetic increases the dancer's proficiency in other dance forms.

MDT 404 Men's Technique, Variations, and Partnering IV B (2 Credits)
The final course in an eight-course sequence, Men's Technique, Variations, and Partnering IVB focuses on all technical skills specific to the male gender in the ballet modality. Students will spend 2 hours per week in Men's Technique, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 405 Pointe, Variations, and Partnering IVB (2 Credits)
Pointe, Variations, and Partnering IVB is the final course of an eight-course sequence which focuses on all technical skills related to ballet technique en pointe. Students will spend 3 hours per week in Pointe, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 406 Ballet Technique IV A (2 Credits)
Ballet Technique IVA is a continued course of study of ballet that will result in the attainment of a professional level of expertise. It is the seventh course in an 8-course sequence which emphasizes a sound foundation in correct postural alignment, flexibility and core strength, and artistic expression.

MDT 407 Pointe, Variations, and Partnering IVA (2 Credits)
Pointe, Variations, and Partnering IVA is the seventh course of an eight-course sequence which focuses on all technical skills related to ballet technique en pointe. Students will spend 3 hours per week in Pointe, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 408 Men's Technique, Variations, and Partnering IVA (2 Credits)
The seventh in an eight-course sequence, Men's Technique, Variations, and Partnering IVA focuses on all technical skills specific to the male gender in the ballet modality. Students will spend 2 hours per week in Men's Technique, 1.5 hours per week in Partnering, and 1.5 hours per week in Variations.

MDT 409 Jazz and Commercial Dance IVA (2 Credits)
Jazz and Commercial Dance IVA is the seventh in an eight-course sequence which explores principles of jazz forms, theatre dance, and hip hop. Emphasis is placed on correct alignment, flexibility, core strength. Students will also learn terminology, history, and performance concepts.

MDT 411 Contemporary and Modern Dance IVA (2 Credits)
The seventh in an eight-course sequence, the Contemporary and Modern Dance IVA course applies intermediate principles and vocabulary of both contemporary dance and Graham technique. Students will build on the basic understanding of technical execution and performance quality, while emphasizing proper alignment and coordination.

MDT 412 Performance Studies VII - Repertory (1 Credit)
Performance Studies VII: Repertory comprises the rehearsal/preparation processes and the formal performances of ballet and contemporary dance forms.

MDT 413 Ballet Technique IV B (2 Credits)
Ballet Technique IVB is a continued course of study of ballet that will result in the attainment of a professional level of expertise. It is the seventh course in an 8-course sequence which emphasizes a sound foundation in correct postural alignment, flexibility and core strength, and artistic expression.

MDT 414 Jazz and Contemporary Dance IVA (2 Credits)
The seventh in an eight-course sequence, Jazz and Contemporary Dance IVA emphasizes the creation of a sound foundation for contemporary and jazz modalities through correct postural alignment, flexibility, and core strength. The dynamic expression encouraged through this aesthetic increases the dancer's proficiency in other dance forms.

MDT 415 Performance Studies VIII - Repertory (1 Credit)
Performance Studies VIII: Repertory comprises the rehearsal/preparation processes and the formal performances of ballet and contemporary dance forms.

MDT 422 Applied Music VII (1.5 Credits)
Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year.

MDT 423 Applied Music VII (3 Credits)
For Performance Majors only. Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year.

MDT 424 Applied Music VIII (1.5 Credits)
Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year.

MDT 425 Applied Music VIII (3 Credits)
For Performance Majors only. Each music major is required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of applied music. Each student performs in Seminar each year and appears before a faculty jury at the end of each semester. The curriculum performance project (Senior Recital or Senior Appearance) is determined by the jury at the end of the student's junior year.

MDT 451 Teaching Music Middle-High School (4 Credits)
A study of the practices and considerations in teaching music in middle-high school. Class focus on career preparation includes resume preparation and interview techniques. Group work on edTPA is included. The class is a companion class to Clinical Practice II.

MDT 452 Clinical Practice II (8 Credits)
Clinical Practice II is a requirement for state certification in music education. CPII students are assigned a school and cooperating teacher to fully develop their teaching skills. Student teaching hours mirror their cooperating teacher. University supervisor observations result in their semester grade.
Pre-Requisite(s): Department Consent and CGPA requirement of = or > than 2.75

MDT 453 Marching Ensemble Experience (3 Credits)
This class is designed to teach prospective Music Educators the fundamentals and techniques of a Marching Music Ensemble. Emphasis will be placed on marching techniques, ensemble design, rehearsal techniques, staffing needs, and organization methods.

MDT 454 Music Industry Internship (3 Credits)
This course is designed to provide students with real world experience in the music industry and to assist students in developing their professional network within the music industry. The internships will assist the students in learning about music industry practices and procedures, time management, communication skills, and other professional enrichment. Students will be separately placed in internships by the Cooperative Education Office as well as attend a weekly class meeting. Students are responsible for showing up to the internship on time on their scheduled days and for performing all assigned duties and abiding by all company policies in conjunction with their on-site supervisor. In addition to journal writing and other assignments, students will be responsible for preparing a final project showcasing what they learned at the internship.

MDT 495 Senior Capstone (2 Credits)
The Senior Capstone course culminates an individual's study of dance. With professional mentorship, students utilize all components comprehensively learned to create an original body of work. The scope of the study is determined by the student, analyzing a future identity and career inside dancemaking, performance outcomes, and/or various artistic mediums.

MDT 500 Louis Armstrong-American Hero (3 Credits)
A study of the development of jazz with Louis Armstrong as the vehicle: who he influenced and how he did it. Comparative analytical studies with his peers and other musicians are explored.

MDT 501 Baroque Music (3 Credits)
This course offers a study of 17th and 18th century music with particular emphasis on the works of Johann Sebastian Bach, Dietrich Buxtehude, Arcangelo Corelli, Francois Couperin, Andrea and Giovanni Gabrieli, George Frederick Handel, Jean-Baptiste Lully, Claudio Monteverdi, Jean-Philippe Rameau, Alessandro and Domenico Scarlatti, Gerog Telemann, and Antonio Vivaldi.
UG Pre-Requisite(s): MDT 241, 242, and 337 for Classical Track courses or MDT 327 and 339 for Jazz Track courses.

MDT 502 Classical Music (3 Credits)
This course is a study of the major works by Haydn, Mozart, Beethoven and Schubert.
UG Pre-Requisite(s): MDT 241,242,and 337 for Classical Track courses or MDT 327 and 339 for Jazz Track courses.

MDT 503 Romantic Music (3 Credits)
This course is a study of the major orchestral and solo instrument compositions written during the nineteenth century.
UG Pre-Requisite(s): MDT 241, 242, and 337 for Classical Track courses or MDT 327 and 339 for Jazz Track courses.

MDT 504 The Opera (3 Credits)
This course involves the study of some of the major operatic masterpieces from Monteverdi to the modern era.
UG Pre-Requisite(s): MDT 241, 242, and 337 for Classical Track courses or MDT 327 and 339 for Jazz Track courses.

MDT 505 Contemporary Music (3 Credits)
This course involves the study of the major compositional techniques and innovations developed in twentieth century music.

MDT 506 Music in America (3 Credits)
This course engages in an appraisal of American music and its contributions to the cultural, social, and religious life of our country.
UG Pre-Requisite(s): MDT 241,242,and 337 for Classical Track courses or MDT 327 and 339 for Jazz Track courses.

MDT 507 Computer Music (3 Credits)
This course is a study of tape techniques, manipulation and modification. It includes terminology of electronic synthesis and electronic music repertory.
UG Pre-Requisite(s): MDT 241,242,and 337 for Classical Track courses or MDT 327 and 339 for Jazz Track courses.

MDT 508 Woodwind Literature and Performance (3 Credits)
This course is a survey of the most important Western European Classical literature written for woodwinds from the Baroque to the present. These works will be analyzed in detail and examined within the context of instrumental development. Class performances involving students and faculty will occur throughout the semester.

MDT 509 Advanced Jazz Improvisation (3 Credits)
UG Pre-Requisite(s): MDT 241,242,and 337 for Classical Track courses or MDT 327 and 339 for Jazz Track courses.

MDT 510 Latin American Music (3 Credits)
A course in the music of selected Latin America countries offering music and Spanish-language majors and educators perspectives into the musical traditions of this multifaceted region. Analysis of the music will be discussed in terms that accommodate non specialists, and all lyrics will be supplied with English translations.

MDT 511 Vocal Pedagogy (3 Credits)
This course is to provide the student of singing a deeper understanding of the vocal process, physiology, and synergistic nature of the vocal mechanism. We will explore the anatomical construction of the voice as well as its function in order to enlighten the performer, pedagogue and scholar. Each student will learn to codify a practical knowledge of, and skill in, teaching voice.

MDT 512 Technology in Music Performance and Composition (3 Credits)
This course introduces the fundamentals of music technology geared to the needs of today's professional musician. To cultivate a successful music career, musicians today must have an understanding of incorporating technology in their work. This course provides tools to enable the student to explore, perform and create using technology.
UG , MDT 123, MDT 131, MDT 132, and MDT 135.

MDT 515 Community Music Education (3 Credits)
This course in the Music Education program examines music education practices outside of the K-12 environment, referred to as informal learning or community music, such as community bands and choirs, jam bands, drum circles, etc. Strategies specific to informal learning and adult learning will be examined as well as studio teaching and management. Participation in a community ensemble will provide skill building.

MDT 520 Musical On B'Way&Hollywood I (3 Credits)
This course offers an analysis of current Broadway musicals with special seminars with those connected with one or two productions. Major movie musicals are analyzed which may include the “golden oldies” and the transfer from Broadway to Hollywood. Special attention is directed toward key people such as: George and IRA Gershwin, Irving Berlin, Richard Rogers, Moss Hart, Oscar Hammerstein II, Cole Porter, Jerome Kern, Jerry Herman, Alan Jay Lerner, and Frederick Lowe. This course requires a lab fee to cover the cost of the theatre tickets. Students should not register for another course on the same evening that “the musical” is scheduled as that is when the class must attend plays and other field trips.

MDT 521 Musical On B'Way&Hollywood II (3 Credits)
A continuation of MDT 520. This course offers an analysis of current Broadway musicals with special seminars with those connected with one or two productions. Major movie musicals are analyzed which may include the “golden oldies” and the transfer from Broadway to Hollywood. Special attention is directed toward key people such as: George and IRA Gershwin, Irving Berlin, Richard Rogers, Moss Hart, Oscar Hammerstein II, Cole Porter, Jerome Kern, Jerry Herman, Alan Jay Lerner, and Frederick Lowe. This course requires a lab fee to cover the cost of the theatre tickets. Students should not register for another course on the same evening that “the musical” is scheduled as that is when the class must attend plays and other field trips.

MDT 524 Jazz Pedagogy (3 Credits)
This course examines the rationale for a jazz curriculum, reviews the methodologies and materials currently used throughout the country for presenting this curriculum, and explores how to implement a jazz program as part of high school and college music department offerings. This course is designed for music educators who will be working in secondary education.
UG Pre-Requisite(s): MDT 241,242 and 337 for Classical Track courses or MDT 327 and MDT 339 for Jazz Track courses.

MDT 525 Application of Theory in Performance (3 Credits)
Students analyze and examine music of the standard repertory utilizing various analytical techniques and thus discover how a piece of music has been constructed. Students then relate this knowledge to the style of the composition they are studying. Students demonstrate their findings in a lecture-recital format.
UG Pre-Requisite(s): MDT 241,242,and 337 for Classical Track courses or MDT 327 and 339 for Jazz Track courses.

MDT 526 Jazz Arranging (3 Credits)
This course offers a study of small and large ensemble arranging techniques. Students produce scores and parts in conjunction with weekly assignments and conduct rehearsals of their works with the University's jazz ensembles.
UG Pre-Requisite(s): MDT 241,242,and 337 for Classical Track courses or MDT 327 and 339 for Jazz Track courses.

MDT 527 Vocal Literature (2 Credits)
This course is dedicated to the study and performance of the standard art song repertoire. Emphasis is on style, diction, text interpretation, and program building. Languages addressed include English, Italian, German, French, and Latin, as well as some extended languages, such as Spanish and Russian. Students are required to research and perform assigned literature in class.

MDT 528 Diction for Singers (1 Credit)
This course for performers and educators covers the four main singer's languages, English, Italian, German, and French. Emphasis is on transcription skills using the International Phonetic Alphabet and the various rules of diction as they apply to each respective language. The course stresses performance-based application of concepts through live and recorded song presentations.

MDT 530 Music in the Elementary School (3 Credits)
This is a methods course for the general classroom teacher of the techniques and principles for teaching music in the elementary schools. Available for MAT music concentration and MA Music Education (elective).
UG Pre-Requisite(s): MDT 241,242,and 337 for Classical Track courses or MDT 327 and 339 for Jazz Track courses.

MDT 601 Graduate Musicianship (3 Credits)
A review of traditional harmony and 18th century counterpoint, as well as ear- training (dictation and sight-singing), this course also includes the study of musical analysis and composition.

MDT 602 Curriculum Development in Music Education (3 Credits)
This course offers a study of music curriculum construction, the development of goals and objectives, and the consideration of various approaches and strategies for the development of concepts and skills through participation in musical experiences in grades K-12.

MDT 603 Administration and Supervision in Music Education (3 Credits)
This course offers a study of current practices and techniques of music supervision with an emphasis on the problems relating to specific administrative positions and music programs.

MDT 604 Res.In Music Education (3 Credits)
This course prepares students to undertake research on their own, to interpret the research of others, and to understand how research fits into advanced training in music education and into professional life in general.

MDT 605 Thesis Seminar in Music Education (3 Credits)
Registration is limited to matriculated students who are ready to graduate. Each Candidate completes a thesis based on the techniques and skills learned in Music 604 Research in Music Education. In addition, the student is required to pass the Graduate Comprehensive Exam as part of this course's requirements.

MDT 610 Performance Seminar (3 Credits)
This Graduate course/project is for M.M candidates in performance. This seminar calls for a significant paper (20 pages minimum) on an approved topic. The final evaluation will include an oral presentation, a performance, and a Question and Answer forum before three MDT faculty members.
Co-Requisite(s): MDT 623

MDT 611 Woodwind Doubling Laboratory (3 Credits)
This course will prepare multi-instrumentalist woodwind performers for the demands of today's music business. Students will perform excerpts from a wide variety of commercial styles which involve switching music, between saxophones, clarinets, flutes, oboes, and bassoons Classroom recordings and performances with faculty members will occur throughout the semester.

MDT 612 Early Jazz to the Swing Era (3 Credits)
This course explores the sociological and cultural conditions that led to the origins of jazz in the United States. Extensive listening and analysis during and outside the class is required. An in-depth study of the major composers and performers serves as the basis for defining the stylistic periods.

MDT 613 Jazz History II (3 Credits)
This course offers a study of the development of the post-World War II jazz style periods, the major innovators, and their masterpieces. Comparative analytical studies of selected works from different eras are used to emphasize the changes that have occurred during the second half of the 20th century.

MDT 614 Jazz Compostion (3 Credits)
This course engages in an analysis of jazz compositions with regard to harmonization techniques, chord progressions, melodic, and rhythmic aspects. These works serve as a basis for students' original compositions that will then be performed by student ensembles.

MDT 616 Graduate Applied Music Minor I (1 Credit)
This introductory course involves performance studies in an area other than a student's major instrument or voice. A half semester's work (about eight weeks) is involved.

MDT 617 Grad Applied Music Minor II (1 Credit)
This course involves performance studies in an area other than a student's major instrument or voice. A half semester's work (about eight weeks) is involved.

MDT 618 Graduate Applied Music Min III (1 Credit)
This advanced course involves performance studies in an area other than a student's major instrument or voice. A half semester's work (about eight weeks) is involved.

MDT 619 Pedagogy of Music Theory (3 Credits)
This is a hands-on required graduate course in music education that provides instruction in music theory and the instructional approaches to teaching music theory in music education settings. Topics include: defining music theory, standards, musical time and space, harmonic analysis, form and the incorporation of these elements of music into.

MDT 620 Jazz Compositional Styles (3 Credits)
This course examines jazz compositions and arrangements for ensembles of all sizes. Students will study, in detail, the great works of many of the foremost jazz composers and arrangers. Students will hear and see music that, in some cases, is no longer in print or has never been published (provided by the instructor). Course Pre-requisites: Jazz Arranging MDT 526; Early Jazz to the Swing Era MDT 612; Jazz History II (Bebop to Contemporary) MDT 613.
Pre-Requisite(s): MDT 526 Jazz Arranging; MDT 612 Early Jazz to the Swing Era; and MDT 613 Jazz History II (Behop to Contemporary).

MDT 621 Grad Applied Music Major I (3 Credits)
This course involves the study of a major instrument or voice and a performance requirement in final jury exam. Specific requirements in applied lessons are defined by the departmental faculty and the applied instructor. The curriculum may cover a wide array of musical styles, including classical, jazz, rock/pop/hip- hop, cross cultural, electronic, American Roots, and improvisation, among others. Students are not only encouraged, but required to pursue internships, apprenticeships, auditions and professional opportunities, up to 20 hours per week, related to their Applied Major. Proof of such activities may be in the form of written documentation such as offers of engagement, invitations to audition. In the case of International Students, prior approval on the I20 and CPT documentation.

MDT 622 Graduate Applied Music Major II (3 Credits)
This course involves the study of a major instrument or voice and a performance requirement in final jury exam. Specific requirements in applied lessons are defined by the departmental faculty and the applied instructor. The curriculum may cover a wide array of musical styles, including classical, jazz, rock/pop/hip- hop, cross cultural, electronic, American Roots, and improvisation, among others. Students are not only encouraged, but required to pursue internships, apprenticeships, auditions and professional opportunities, up to 20 hours per week, related to their Applied Major. Proof of such activities may be in the form of written documentation such as offers of engagement, invitations to audition. In the case of International Students, prior approval on the I20 and CPT documentation. This course involves the study of a major instrument or voice and a performance requirement in final jury exam.

MDT 623 Grad Applied Music Major III (3 Credits)
This advanced level course involves the study of a major instrument or voice. There is a performance requirement in final jury exam.

MDT 624 Graduate Music Ensemble I (1 Credit)
The student is required to register in a music ensemble in which he/she is qualified to participate.

MDT 625 Graduate Music Ensemble II (1 Credit)
This course is a continuation of MDT 624. The student is required to register in a music ensemble in which he/she is qualified to participate.

MDT 626 Grad Music Ensemble III (1 Credit)
This course is a continuation of MDT 625. The student is required to register in a music ensemble in which he/she is qualified to participate.

MDT 627 Vocal Literature (3 Credits)
This is a required course for all Performance majors in the Classical-Vocal area of specialization; the course surveys the standard art song repertory that covers a variety of styles and languages. Emphasis is on song research and study that includes class lectures and performances.

MDT 628 Diction for Singers (3 Credits)
This is a required course for all Performance majors in the Classical-Vocal area of specialization; this course addresses the basics of English, Italian, German, and French diction specifically as they apply to the singer's art. Emphasis is on the International Phonetic Alphabet and performance-based applications of diction rules.

MDT 629 Grad Applied Music Major IV (3 Credits)
This course is a continuation of MDT 623. This advanced level course involves the study of a major instrument or voice. There is a performance requirement in final jury exam.

MDT 630 Music Entrepreneurship 2: Monetizing Your Ecosystem (3 Credits)
This is a hands-on required graduate course that provides instruction to effectively monetize a musician's career by putting into practice the tools developed in Entrepreneurship 1. The course puts into actual practice the online funnel-building theories learned in Entrepreneurship 1 to actually launch a working funnel. Specific topics include: Using audience identification techniques to build audiences using online tools, deploying of an online audience development funnel, budgeting for online advertising, deploying and split- testing effective offers, capture pages and promotional videos.

MDT 631 Independent Study (1 Credit)
This course involves the completion of a previously approved project under the supervision of a qualified faculty member. The student may register for independent study as an elective or, in special circumstances, to fulfill a course requirement (e.g., if a course is cancelled). In all cases, registration for this course must have prior approval of the graduate coordinator or the department chairperson.

MDT 632 Independent Study (2 Credits)
This course involves the completion of a previously approved project under the supervision of a qualified faculty member. The student may register for independent study as an elective or, in special circumstances, to fulfill a course requirement (e.g., if a course is cancelled). In all cases, registration for this course must have prior approval of the graduate coordinator or the department chairperson.

MDT 633 Independent Study (3 Credits)
This course involves the completion of a previously approved project under the supervision of a qualified faculty member. The student may register for independent study as an elective or, in special circumstances, to fulfill a course requirement (e.g., if a course is cancelled). In all cases, registration for this course must have prior approval of the graduate coordinator or the department chairperson.

MDT 634 Grad Music Ensemble IV (1 Credit)
This course is a continuation of MDT 625 and 626. The student is required to register in a music ensemble in which he/she is qualified to participate.

MDT 642 Orff Schulwerk (3 Credits)
This course focuses on the unique aspects of the Orff-Schulwerk approach that includes speech, echoing, body percussion, playing pitched/unpitched instruments, singing, movement, reading notation, and improvisation. Offered Summer II only – one-week intensive; serves on-campus residency component.

MDT 649 Sociology and Cultural Responsiveness in Music Education (3 Credits)
The purpose of this course is to critically examine sociological and cultural concepts as they relate to music and education. Topics include key issues and concepts in sociology; cultural responsiveness as related to music education; problems encountered in the sociology of music education; and cultural influences that impact the classroom.

MDT 650 Philosophical Foundations of Music Education (3 Credits)
This course will focus on the nature and value of music, the historical and philosophical foundations of music education, and will enable the student to develop and refine a personal teaching philosophy.

MDT 651 Integrating Technology in Music Education (3 Credits)
This is a hands-on elective graduate course in music education that provides instruction in the available technologies for today's music education. Topics include: defining music technology, standards, SAMR Model, Learning Management Systems, technology tools for general music, technology tools for ensembles, needs assessment, inventory, technology integration plan, and unit plans.

MDT 652 Assessment Strategies in Music Education (3 Credits)
Assessment is an essential component of teaching that all music educators and supervisors must continuously revisit and refine. Hence, this course will explore how devising assessment strategies is integral to determine student ability and/or progress; is integral in curriculum development; is integral in differentiating instruction and communicating with students, parents.

MDT 1184 Chamber Ensembles (1.5 Credits)
These ensembles are composed of various combinations of instrumentalists, from 2-6 players in each group, which rehearse every week and perform at least twice per semester.

Music, B.A.

Completion of the major prepare one for a career as a private instrumental or voice teacher, piano accompanist, private theory teacher, solo and ensemble performer and for some jobs in the non-profit and commercial music industries. Continued study may include a master's degree in music education (alternate route) or performance.

Code	Title	Credits
Required Courses		
MDT 101	Survey of Music (or MDT 166 Exploring Western Music)	3
MDT 166	Exploring Western Music	3
MDT 121	(0.5 credit/semester for 8 semesters)	0.5
MDT 122	Applied Music I (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 123	Applied Music II (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 222	Applied Music III (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 223	Applied Music IV (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 322	Applied Music V (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 324	Applied Music VI (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 422	Applied Music VII (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 424	Applied Music VIII (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 131	Harmony I	2
MDT 133	Harmony II	2
MDT 231	Harmony III	2
MDT 233	Harmony IV	2
MDT 132	Ear-Training I	2
MDT 134	Ear-Training II	2
MDT 232	Ear-Training III	2
MDT 234	Ear-Training IV	2
MDT 135	Keyboard Method I	1
MDT 136	Keyboard Method II	1
MDT 235	Keyboard Method III	1
MDT 236	Keyboard Method IV	1
MDT 337	Form & Analysis	2
MDT 183	Chamber Ensembles	0.5
or MDT 199	Jazz Combos	
MDT 184	Chamber Ensembles (1 credit/semester for 4 semesters)	1
or MDT 200	Jazz Combos	
MDT 329	Music History before 1750	3
MDT 330	Music History after 1750	3
Large Ensemble (0.5 credit/semester for 8 semesters)		**4-8**
MDT 153	Concert Chorale	0.5
MDT 159	New Jersey City University Orchestra	0.5
MDT 161	Symphony Winds & Percussion	0.5
MDT 197	Jazz Ensemble	0.5
Music, Dance, and Theatre Electives		
Electives from any area		21

Freshman		
Semester 1		**Credits**
MDT 121		0.5
MDT 122	Applied Music I	1.5
MDT 131	Harmony I	2
MDT 132	Ear-Training I	2
MDT 135	Keyboard Method I	1

MDT 183 or MDT 199	Chamber Ensembles or Jazz Combos	0.5
MDT 153 or MDT 154 or MDT 159 or MDT 161	Concert Chorale or Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
	Credits	**8**
Semester 2		
MDT 121		0.5
MDT 183 or MDT 199	Chamber Ensembles or Jazz Combos	0.5
MDT 123	Applied Music II	1.5
MDT 167	World Music [2]	3
MDT 134	Ear-Training II	2
MDT 133	Harmony II	2
MDT 136	Keyboard Method II	1
	Credits	**10.5**
Sophomore		
Semester 1		
MDT 121		0.5
MDT 183 or MDT 199	Chamber Ensembles or Jazz Combos	0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 222	Applied Music III	1.5
MDT 231	Harmony III	2
MDT 232	Ear-Training III	2
MDT 235	Keyboard Method III	1
MDT 329	Music History before 1750	3
MDT 166	Exploring Western Music	3
MDT Elective		3
	Credits	**17**
Semester 2		
MDT 121		0.5
MDT 183 or MDT 199	Chamber Ensembles or Jazz Combos	0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 223	Applied Music IV	1.5
MDT 233	Harmony IV	2
MDT 234	Ear-Training IV	2
MDT 236	Keyboard Method IV	1
MDT 330	Music History after 1750	3
MDT Elective		3
	Credits	**14**
Junior		
Semester 1		
Repeat MDT121		.5
Repeat MDT183		.5
Repeat MDT153 or MDT159 or MDT161		.5
MDT 322	Applied Music V	1.5
MDT 337	Form & Analysis	2
MDT Elective		3
	Credits	**8**
Semester 2		
MDT 121		0.5
MDT 183 or MDT 199	Chamber Ensembles or Jazz Combos	0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 324	Applied Music VI	1.5
MDT Elective		3
	Credits	**6**
Senior		
Semester 1		
Repeat MDT121		.5
Repeat MDT183		.5
Repeat MDT153 or MDT159 or MDT161		.5
MDT 422	Applied Music VII	1.5
MDT Elective		3
MDT Elective		3
	Credits	**9**
Semester 2		
MDT 121		0.5
MDT 183 or MDT 199	Chamber Ensembles or Jazz Combos	0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 424	Applied Music VIII	1.5
MDT Elective		3
	Credits	**6**
	Total Credits	**78.5**

Student Learning Outcomes

Upon completion of the Music BA program, students will be able to:

1. Describe elements of music including rhythm, melody, harmony, timbre, texture, & form.
2. Demonstrate a set of capabilities for independent work in the music professions.
3. Transfer musical achievements from various analytical, historical, & cultural perspectives.
4. Analyze musical components and processes.
5. Create musical works with enhances capacities to integrate musical knowledge and skills.
6. Evaluate musical performances, literature, and technologies.

Music, Minor

A minor in music provides students the opportunity to explore music through a comprehensive and multifaceted approach while following their various musical interests.The requirements for admission to this minor program track are the passing of an instrumental or vocal audition and the taking of theory, ear-training, and keyboard placement exams.

Code	Title	Credits
Required		
MDT 166	Exploring Western Music	3
MDT 167	World Music	3
MDT 131	Harmony I	2
MDT 133	Harmony II	2
MDT 132	Ear-Training I	2
MDT 134	Ear-Training II	2
MDT 135	Keyboard Method I	1
MDT 136	Keyboard Method II	1
MDT 122	Applied Music I	1.5
MDT 123	Applied Music II	1.5
MDT 222	Applied Music III	1.5
MDT 223	Applied Music IV	1.5
Restricted Electives		
For each of four semesters, select one from the following courses:		
MDT 153	Concert Chorale	0.5
MDT 159	New Jersey City University Orchestra	0.5
MDT 161	Symphony Winds & Percussion	0.5
MDT 210	History of Popular Music in America	3
Select three credits from the following courses:		
MDT 106	Jazz History (for Music majors/minors)	3
MDT 268	Computer Music I	3
MDT 329	Music History before 1750	3
MDT 330	Music History after 1750	3
MDT 353	The Survey of the Music Business	3
Total Credits		**27**

**When taking Applied, it is mandatory to register as well in MDT 121 Music Major Seminar, small ensemble and large ensemble during the same semester.

Music—Music Business, B.A.

Students in the Music Industry program will prepare for careers in the commercial music industry, in such fields as artist management, music publishing, concert promotion, record labels, music marketing, talent booking, music promotion & publicity, and tour management. The Music Industry program is also perfect for performers who want to have the information needed to effectively navigate this fast-changing business and build their careers. The Bachelor of Arts degree includes the university's core liberal arts courses, plus courses in the music industry, business administration, and applied music. Music industry internships are provided to allow the student to experience the workplace and make career decisions.

THE REQUIREMENTS FOR ADMISSION TO THIS DEGREE TRACK ARE:

- Submission of one page resume, plus interview with the program coordinator.
- Submission of short video recording (performance either solo or with an ensemble); or submission of an audio file if the student is submitting an original song.

Code	Title	Credits
Required		
MDT 122	Applied Music I	1.5
MDT 123	Applied Music II	1.5
MDT 135	Keyboard Method I	1
MDT 136	Keyboard Method II	1
MDT 167	World Music (Suggested for Gen Ed)	3
MDT 166	Exploring Western Music	3
MDT 121 (0.5 credit/semester for 2 semesters)		1
MDT 131	Harmony I	2
MDT 132	Ear-Training I	2
MDT 210	History of Popular Music in America	3
MDT 268	Computer Music I	3
MDT 269	Computer Music II	3
MDT-Music Production 1		3
MDT-Music Production 2		3
MDT 353	The Survey of the Music Business	3
MDT 384	Arts Management I	3
MDT 385	Arts Management II	3
MDT 390	Music Business Law-Contracts, Copyright & Legal Aspects of Commercial Music Industry	3
SPFD 1320	Seminar:Cooperative Education (Internship in the Music Industry)	4
MGMT 211	Principles of Management	3
ACCT 251	Financial Accounting	3
MKTG 231	Principles of Marketing	3
ENGL 200	Writing for Business	3
MKTG 331	Consumer Behavior	3
Ensemble work required (minimum 4 credits)		**4**
MDT 175	Jazz Vocal Ensemble	1
MDT 197	Jazz Ensemble	0.5
MDT 198	Jazz Ensemble	1
MDT 189	Percussion Ensemble	0.5
MDT 190	Percussion Ensemble	1
MDT 153	Concert Chorale	0.5
MDT 154	Concert Chorale	1
MDT 159	New Jersey City University Orchestra	0.5
MDT 160	New Jersey City University Orchestra	1
MDT-Pop/R&B Ensemble		
Music, Dance, and Theatre Electives		
Electives can be from any area		23
Recommended Electives:		
MDT 265	Guitar Class	3
MDT 261	Piano Class	3
MDT 108	Voice Class	3
MEDI 110	Foundations of Media Design	3
MEDI 210	Sound Production	3
MEDI 310	MultipleTrack Music Production	3
MEDI 320	Radio Production	3
MGMT 241	Global Business	3
MKTG 333	Digital Marketing	3
MKTG 350	Social Media Marketing	3

Freshman		
Semester 1		**Credits**
MDT 121		0.5
MDT 122	Applied Music I	1.5
MDT 131	Harmony I	2
MDT 132	Ear-Training I	2
MDT 135	Keyboard Method I	1
MATH 114	Contemporary Mathematics	3
Choose one Ensemble for 1 credit or two Ensembles for 0.5 credits each		1
	Credits	**11**
Semester 2		
Repeat MDT121		.5
MDT 166	Exploring Western Music	3
MDT 123	Applied Music II	1.5
MDT 136	Keyboard Method II	1
Choose one Ensemble for 1 credit or two Ensembles for 0.5 credits each		1
MDT 353	The Survey of the Music Business	3
MDT 167	World Music	3
	Credits	**13**
Sophomore		
Semester 1		
Choose one Ensemble for 1 credit or two Ensembles for 0.5 credits each		1
MDT 268	Computer Music I	3
MDT 384	Arts Management I	3
ENGL 200	Writing for Business	3
	Credits	**10**
Semester 2		
Choose one Ensemble for 1 credit or two Ensembles for 0.5 credits each		1
MDT 210	History of Popular Music in America [2]	3
MDT 385	Arts Management II	3
MDT 269	Computer Music II	3
Elective or minor		3
	Credits	**13**
Junior		
Semester 1		
MGMT 211	Principles of Management	3
MKTG 331	Consumer Behavior	3
Elective or Minor		3
MDT-Music Production 1		3
	Credits	**12**
Semester 2		
MDT 390	Music Business Law-Contracts, Copyright & Legal Aspects of Commercial Music Industry	3
MKTG 231	Principles of Marketing	3
MDT-Music Production 2		3
	Credits	**9**
Senior		
Semester 1		
ACCT 251	Financial Accounting	3
Elective or Minor		3
Elective or Minor		3
Elective or Minor		3
	Credits	**12**
Semester 2		
Elective or Minor		3
Elective or Minor		3
Co-Op Internship		4
	Credits	**10**
	Total Credits	**90**

Student Learning Outcomes

Upon completion of the Music Industry program, students will be able to demonstrate:

1. Comprehensive skills and knowledge of music theory, and music history.
2. Comprehensive skills and knowledge of musical performance and music production.
3. Knowledge and understanding of the Music Industry practices.

Music—Musical Theatre, B.A.

Completion of this major prepares one for a career in areas such as music theatre performer, music theater director, and music theater voice teacher. Continued study may include a master's degree in music theater performance, music theater directing, or music theater production.

THE REQUIREMENTS FOR ADMISSION TO THIS DEGREE TRACK ARE:

- The passing of a vocal, dance and acting audition

Code	Title	Credits
Required Courses		
MDT 121 (0.5 credit/semester for 8 semesters)		4
MDT 167	World Music	3
MDT 122	Applied Music I (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 123	Applied Music II (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 133	Harmony II	2
MDT 166	Exploring Western Music	3
MDT 222	Applied Music III (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 223	Applied Music IV (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5

MDT 322	Applied Music V (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 324	Applied Music VI (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 422	Applied Music VII (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 424	Applied Music VIII (*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.)	1.5
MDT 131	Harmony I	2
MDT 132	Ear-Training I	2
MDT 134	Ear-Training II	2
MDT 135	Keyboard Method I	1
MDT 136	Keyboard Method II	1
MDT 113	Acting I	3
MDT 313	Acting II	3
MDT 370	Acting III	3
MDT 114	Dance Technique - Ballet	3
MDT 115	Dance Techniques: Modern	3
MDT 116	Dance Techniques: Jazz	3
MDT 291	Tap Dance	3
MDT 118	Stagecraft	3
MDT 319	Production of Musical Theatre II	3
MDT 119	Production of Musical Theater I	3
MDT 218	Movement for Actors	3
MDT 279	Speech for Performance I	3
MDT 280	Costume and Make-Up	3
MDT 177	Music Theatre Workshop (0.5 credit/ semester 2 semesters)	0.5
MDT 183	Chamber Ensembles (0.5 credit/semester for 8 semesters)	0.5
MDT 178	Music Theatre Workshop (1 credit/ semester for 5 semesters)	1
MDT 153	Concert Chorale (0.5 credit/semester for 8 semesters)	0.5
Total Credits:		**88**

Freshman

Semester 1		**Credits**
MDT 121		0.5
MDT 153	Concert Chorale	0.5
MDT 177	Music Theatre Workshop	0.5
MDT 122	Applied Music I	1.5
MDT 131	Harmony I	2
MDT 132	Ear-Training I	2
MDT 183	Chamber Ensembles	0.5
MDT 119	Production of Musical Theater I	3
MDT 218	Movement for Actors	3
	Credits	**13.5**
Semester 2		
Repeat MDT121		.5
Repeat MDT153		.5
Repeat MDT177		.5
MDT 123	Applied Music II	1.5
MDT 133	Harmony II	2
MDT 134	Ear-Training II	2
MDT 135	Keyboard Method I	1
MDT 183	Chamber Ensembles	0.5
MDT 291	Tap Dance	3
	Credits	**11.5**

Sophomore

Semester 1		
Repeat MDT121		.5
Repeat MDT153		.5
MDT 222	Applied Music III	1.5
MDT 178	Music Theatre Workshop	1
MDT 113	Acting I	3
MDT 114	Dance Technique - Ballet	3
MDT 118	Stagecraft	3
MDT 136	Keyboard Method II	1
MDT 183	Chamber Ensembles	0.5
MDT 166	Exploring Western Music	3
	Credits	**17**
Semester 2		
Repeat MDT121		.5
Repeat MDT153		.5
Repeat MDT178		1
MDT 223	Applied Music IV	1.5
MDT 275	The Musical: Theatre & Film	3
MDT 183	Chamber Ensembles	0.5
MDT 167	World Music	3
	Credits	**10**

Junior

Semester 1		
Repeat MDT121		.5
Repeat MDT153		.5
Repeat MDT178		1
MDT 116	Dance Techniques: Jazz	3
MDT 279	Speech for Performance I	3
MDT 313	Acting II	3
MDT 322	Applied Music V	1.5
MDT 183	Chamber Ensembles	0.5
	Credits	**13**
Semester 2		
Repeat MDT121		.5
Repeat MDT153		.5
Repeat MDT178		1
MDT 280	Costume and Make-Up	3
MDT 324	Applied Music VI	1.5

MDT 183	Chamber Ensembles	0.5
	Credits	**7**
Senior		
Semester 1		
Repeat MDT121		.5
Repeat MDT178		1
MDT 370	Acting III	3
MDT 422	Applied Music VII	1.5
MDT 115	Dance Techniques: Modern	3
MDT 183	Chamber Ensembles	0.5
	Credits	**9.5**
Semester 2		
Repeat MDT121		.5
Repeat MDT153		.5
Repeat MDT178		1
MDT 183	Chamber Ensembles	0.5
MDT 319	Production of Musical Theatre II	3
MDT 424	Applied Music VIII	1.5
	Credits	**7**
	Total Credits	**88.5**

Student Learning Outcomes

Upon completion of the Music Theatre program, students will be able to:

1. Demonstrate comprehensive skills and knowledge of music theory, and music history.
2. Demonstrate comprehensive skills and knowledge of musical performance.
3. Demonstrate skills in stage acting, movement, dance styles, body awareness, and vocal presentation.
4. Prove experience in the many diverse aspects of musical theatre production, including design, stagecraft, management, and performance.

Performance—Classical—Instrumental (other than piano), B.M.

Completion of this major prepares one for a career as an instrumental performer (solo or ensemble), private instrument teacher, or conductor. Continued study may include a master's degree instrumental performance, instrumental literature, or conducting.

THE REQUIREMENTS FOR ADMISSION TO THIS DEGREE TRACK ARE:

- Audition is required to be admitted into the program.
- A minimum cumulative undergraduate grade point average of 3.0 in music courses is required.
- All applied instructions need to be taken with chamber music, large ensemble and music seminar.

Code	Title	Credits
Required Courses		
MDT 121	(0.5 credit/semester for 8 semesters)	0.5
MDT 122	Applied Music I	1.5
MDT 123	Applied Music II	1.5
MDT 131	Harmony I	2
MDT 132	Ear-Training I	2
MDT 133	Harmony II	2
MDT 134	Ear-Training II	2
MDT 135	Keyboard Method I	1
MDT 136	Keyboard Method II	1
MDT 166	Exploring Western Music [2]	3
MDT 167	World Music [1]	3
MDT 183	Chamber Ensembles (0.5 credit/semester for 4 semesters)	0.5
MDT 184	Chamber Ensembles (1 credit/semester for 4 semesters)	1
MDT 222	Applied Music III	1.5
MDT 223	Applied Music IV	1.5
MDT 231	Harmony III	2
MDT 232	Ear-Training III	2
MDT 233	Harmony IV [3]	2
MDT 234	Ear-Training IV	2
MDT 235	Keyboard Method III [3]	1
MDT 236	Keyboard Method IV [3]	1
MDT 259	Musical Composition [3]	2
MDT 268	Computer Music I [3]	3
MDT 323	Applied Music V	3
MDT 325	Applied Music VI	3
MDT 329	Music History before 1750	3
MDT 330	Music History after 1750	3
MDT 337	Form & Analysis	2
MDT 338	Instrumental & Vocal Arranging	2
MDT 342	18th-Century Counterpoint	2
MDT 345	Instrumental Conducting	1
MDT 346	Choral Conducting	1
MDT 423	Applied Music VII	3
MDT 425	Applied Music VIII	3
MDT 525	Application of Theory in Performance	3
MDT 5XX Advance Music History Course		3
Large Ensemble (0.5 credit/semester for 7 semesters):		**3.5**
MDT 153	Concert Chorale	0.5
MDT 159	New Jersey City University Orchestra	0.5
MDT 161	Symphony Winds & Percussion	0.5
Large Ensemble:		**1**
MDT 154	Concert Chorale	1
MDT 160	New Jersey City University Orchestra	1
MDT 162	Symphony Winds & Percussion	1
Music, Dance, and Theatre Electives		
Electives from any area		3.5
Total: 88 credits		

[1] Counts for Tier 1 Language Literary and Cultural Studies General Education

[2] Counts for Tier 1 Social and Historical Perspectives General Education

[3] Counts for Tier 2 Creative Process and Production General Education

Freshman

Semester 1		**Credits**
ENGL 101 or ESL 101	Critical Writing and Analysis or English Composition I for English as a Second Language Students	4
MATH 114 or MATH 140	Contemporary Mathematics or Statistics I	3
MDT 121		0.5
MDT 122	Applied Music I	1.5
MDT 131	Harmony I	2
MDT 132	Ear-Training I	2
MDT 135	Keyboard Method I	1
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 183	Chamber Ensembles	0.5
INTD 101	Orientation to College * first time freshmen only	1
	Credits	**16**
Semester 2		
ENGL 102 or ESL 102	Critical Writing and Research or English Composition 2 ESL	4
MDT 121		0.5
MDT 167	World Music [1]	3
MDT 123	Applied Music II	1.5
MDT 133	Harmony II	2
MDT 134	Ear-Training II	2
MDT 136	Keyboard Method II	1
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 183	Chamber Ensembles	0.5
General Education Tier I Course (WGST 110 recommended)		3
	Credits	**18**

Sophomore

Semester 1		
MDT 121		0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 183	Chamber Ensembles	0.5
MDT 222	Applied Music III	1.5
MDT 231	Harmony III [3]	2
MDT 232	Ear-Training III	2
MDT 235	Keyboard Method III	1
MDT 329	Music History before 1750	3
General Education Tier I Course		3
General Education Tier II Course (BIOL 225 recommended)		3
	Credits	**17**
Semester 2		
MDT 121		0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 183	Chamber Ensembles	0.5
MDT 223	Applied Music IV	1.5
MDT 233	Harmony IV [3]	2
MDT 234	Ear-Training IV	2
MDT 236	Keyboard Method IV [3]	1
MDT 330	Music History after 1750	3
General Education Tier II Course (ECE 212 recommended)		3
	Credits	**14**

Junior

Semester 1		
MDT 121		0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 184	Chamber Ensembles	1
MDT 259	Musical Composition [3]	2
MDT 268	Computer Music I [3]	3
MDT 323	Applied Music V	3
MDT 337	Form & Analysis	2
MDT 338	Instrumental & Vocal Arranging	2
MDT 346	Choral Conducting	1
MDT 166	Exploring Western Music [2]	3
	Credits	**18**
Semester 2		
MDT 121		0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 184	Chamber Ensembles	1
MDT 325	Applied Music VI	3
MDT 342	18th-Century Counterpoint	2
MDT 345	Instrumental Conducting	1
MDT 269	Computer Music II (Recommended)	3
General Education Tier 1 Course		3
	Credits	**14**

Senior

Semester 1		
MDT 121		0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 184	Chamber Ensembles	1
MDT 423	Applied Music VII	3
MDT 5XX	Aadvanced Music History Course	3
MDTXXX	Advanced Music Literature Course	1
General Education Tier III Capstone		3
	Credits	**12**
Semester 2		
MDT 121		0.5
MDT 154 or MDT 160 or MDT 162	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	1
MDT 184	Chamber Ensembles	1
MDT 425	Applied Music VIII	3

MDT 525	Application of Theory in Performance	3
Elective Course		3.5
	Credits	**12**
	Total Credits	**121**

*Students enrolled in majors with 50 degree credits or higher due to external accreditation requirements are exempt from up to 9 General Education requirements in Tier II section of the program in courses most closely aligned to the courses taken.

*Needs to maintain 3.0 GPA for music courses.

*All applied music courses need to be taken with Chamber Music, Large Ensemble and Seminar.

*Make sure to check your general education courses fulfills the modes of inquiry outlined.

CONTINUE on to graduate programs and will be prepared to compete in a conservatory environment***Student Learning Outcomes***

Upon completion of the Music Performance -Classical Instrumental program, students will be able to:

1. Demonstrate comprehensive skills and knowledge of music theory, and music history.
2. Continue on to graduate programs and will be prepared to compete in a conservatory environment.
3. Become professional musicians capable of giving performances as soloists and as members of professional ensembles.
4. Teach on the college/university level and/or establish a competent private studio.

Performance—Classical—Instrumental (piano), B.M

Completion of this major prepares one for a career as an instrumental performer (solo or ensemble), accompanist, church musician, private instrument teacher, or conductor. Continued study may include a master's degree instrumental performance, instrumental literature, or conducting.

THE REQUIREMENTS FOR ADMISSION TO THIS DEGREE TRACK ARE:

- Audition is required to be admitted into the program.
- A minimum cumulative undergraduate grade point average of 3.0 in music courses is required.
- All applied instructions need to be taken with chamber music, large ensemble and music seminar.

Code	Title	Credits
Required Courses		
MDT 167	World Music	3
MDT 166	Exploring Western Music	3
MDT 329	Music History before 1750	3
MDT 330	Music History after 1750	3
MDT 5XX Advance Music History Course		3
MDT 121 (0.5 credit/semester for 8 semesters)		4
MDT 122	Applied Music I	1.5
MDT 123	Applied Music II	1.5
MDT 222	Applied Music III	1.5
MDT 223	Applied Music IV	1.5
MDT 323	Applied Music V	3
MDT 325	Applied Music VI	3
MDT 423	Applied Music VII	3
MDT 425	Applied Music VIII	3
MDT 131	Harmony I	2
MDT 133	Harmony II	2
MDT 231	Harmony III	2
MDT 233	Harmony IV	2
MDT 132	Ear-Training I	2
MDT 134	Ear-Training II	2
MDT 232	Ear-Training III	2
MDT 234	Ear-Training IV	2
MDT 337	Form & Analysis	2
MDT 338	Instrumental & Vocal Arranging	2
MDT 342	18th-Century Counterpoint	2
MDT 525	Application of Theory in Performance	3
MDT 150	Art of Accompanying	1
MDT 142	Piano Literature	1
MDT 260	Piano Concerto Literature	1
MDT 270	Piano Pedagogy	1
MDT 346	Choral Conducting	1
MDT 345	Instrumental Conducting	1
MDT 268	Computer Music I	3
MDT 259	Musical Composition	2
MDT 184	Chamber Ensembles (1 credit/semester for 8 semesters) [1]	1
1 credit/semester for 8 semesters		1
MDT 153	Concert Chorale	0.5
MDT 159	New Jersey City University Orchestra	0.5
MDT 161	Symphony Winds & Percussion	0.5
Large Ensemble (Select one of the following):		**1**
MDT 154	Concert Chorale	1
MDT 160	New Jersey City University Orchestra	1
MDT 162	Symphony Winds & Percussion	1
Literature Course Elective (Select one of the following):		**3**
MDT 137	Vocal Literature	1
MDT 138	Percussion Literature	1
MDT 140	Woodwind Literature	1
MDT 141	Brass Literature	1
MDT 143	Guitar Literature	1
Music, Dance, and Theatre Electives		
MDT Elective from any area		1.5
Total: 91 credits		
*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.		

[1] MDT 184 Chamber Ensemble can be substituted with faculty approval.

Freshman

Semester 1		Credits
MDT 121		0.5
MDT 122	Applied Music I	1.5
MDT 131	Harmony I	2
MDT 132	Ear-Training I	2
MDT 150	Art of Accompanying	1
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 184	Chamber Ensembles	1
	Credits	**8.5**
Semester 2		
MDT 101	Survey of Music	3
MDT 121		0.5
MDT 123	Applied Music II	1.5
MDT 133	Harmony II	2
MDT 134	Ear-Training II	2
MDT 142	Piano Literature	1
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 167	World Music	3
MDT 184	Chamber Ensembles	1
	Credits	**14.5**

Sophomore

Semester 1		
MDT 121		0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 184	Chamber Ensembles	1
MDT 222	Applied Music III	1.5
MDT 231	Harmony III	2
MDT 232	Ear-Training III	2
MDT 260	Piano Concerto Literature	1
MDT 329	Music History before 1750	3
	Credits	**11.5**
Semester 2		
MDT 121		0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 184	Chamber Ensembles	1
MDT 223	Applied Music IV	1.5
MDT 233	Harmony IV	2
MDT 234	Ear-Training IV	2
MDT 268	Computer Music I	3
MDT 270	Piano Pedagogy	1
MDT 330	Music History after 1750	3
	Credits	**14.5**

Junior

Semester 1		
MDT 121		0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 166	Exploring Western Music	3
MDT 184	Chamber Ensembles	1
MDT 323	Applied Music V	3
MDT 337	Form & Analysis	2
MDT 338	Instrumental & Vocal Arranging	2
MDT 346	Choral Conducting	1
MDT 259	Musical Composition	2
	Credits	**15**
Semester 2		
MDT 121		0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 184	Chamber Ensembles	1
MDT 325	Applied Music VI	3
MDT 342	18th-Century Counterpoint	2
MDT 345	Instrumental Conducting	1
MDT 269	Computer Music II (Recommended)	3
	Credits	**11**

Senior

Semester 1		
MDT 121		0.5
MDT 153 or MDT 159 or MDT 161	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	0.5
MDT 184	Chamber Ensembles	1
MDT 423	Applied Music VII	3
MDT 5XX	Advanced Music History Course	3
MDT XXX	Literature Course/Elective	1
	Credits	**9**
Semester 2		
MDT 121		0.5
MDT 154 or MDT 160 or MDT 162	Concert Chorale or New Jersey City University Orchestra or Symphony Winds & Percussion	1
MDT 184	Chamber Ensembles	1
MDT 425	Applied Music VIII	3
MDT 525	Application of Theory in Performance	3
MDT Elective		1.5
	Credits	**10**
	Total Credits	**94**

*Needs to maintain 3.0 GPA for music courses.

*All applied music courses need to be taken with Chamber Music, Large Ensemble and Seminar.

Student Learning Outcomes

Upon completion of the Music Performance -Classical Instrumental program, students will be able to:

1. Demonstrate comprehensive skills and knowledge of music theory, and music history.
2. Continue on to graduate programs and will be prepared to compete in a conservatory environment.
3. Become professional musicians capable of giving performances as soloists and as members of professional ensembles.
4. Teach on the college/university level and/or establish a competent private studio.

Performance—Classical—Voice, B.M.

Completion of this major prepares one for a career as a vocal performer (solo or ensemble), voice teacher, or choral conductor. Continued study may include a master's degree vocal performance or choral conducting.

THE REQUIREMENTS FOR ADMISSION TO THIS DEGREE TRACK ARE:

- Audition is required to be admitted into the program.
- A minimum cumulative undergraduate grade point average of 3.0 in music courses is required.
- All applied instructions need to be taken with chamber music, large ensemble and music seminar.

Code	Title	Credits
Restricted Courses		
MDT 167	World Music	3
MDT 329	Music History before 1750	3
MDT 166	Exploring Western Music	3
MDT 330	Music History after 1750	3
MDT 5XX Advance Music History course		3
MDT 121 (0.5 credit/semester for 8 semesters)		4
MDT 122	Applied Music I	1.5
MDT 123	Applied Music II	1.5
MDT 222	Applied Music III	1.5
MDT 223	Applied Music IV	1.5
MDT 322	Applied Music V	1.5
MDT 324	Applied Music VI	1.5
MDT 422	Applied Music VII	1.5
MDT 424	Applied Music VIII	1.5
MDT 131	Harmony I	2
MDT 133	Harmony II	2
MDT 231	Harmony III	2
MDT 233	Harmony IV	2
MDT 132	Ear-Training I	2
MDT 134	Ear-Training II	2
MDT 232	Ear-Training III	2
MDT 234	Ear-Training IV	2
MDT 337	Form & Analysis	2
MDT 338	Instrumental & Vocal Arranging	2
MDT 342	18th-Century Counterpoint	2
MDT 135	Keyboard Method I	1
MDT 136	Keyboard Method II	1
MDT 235	Keyboard Method III	1
MDT 236	Keyboard Method IV	1
MDT 346	Choral Conducting	1
MDT 345	Instrumental Conducting	1
MDT 259	Musical Composition	2
MDT 220	Diction for Singers	3
MDT 137	Vocal Literature	1
MDT 511	Vocal Pedagogy	3
MDT 268	Computer Music I	3
MDT 153/154	Concert Chorale (0.5 credit/semester for 8 semesters)	0.5
MDT 173	Opera Workshop (0.5 credit/semester for 4 semesters)	0.5
MDT 174	Opera Workshop (1 credit/semester for 4 semesters)	1
LANG 105	Elementary French I	3
LANG 107	Elementary Italian I	3
LANG 119	Elementary German I	3
Total: 92 credits		

*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.

Freshman		
Semester 1		**Credits**
MDT 121		0.5
MDT 122	Applied Music I	1.5
MDT 131	Harmony I	2
MDT 132	Ear-Training I	2
MDT 135	Keyboard Method I	1
MDT 153	Concert Chorale	0.5
MDT 173	Opera Workshop	0.5
	Credits	**8**
Semester 2		
MDT 121		0.5
MDT 167	World Music	3
MDT 123	Applied Music II	1.5
MDT 133	Harmony II	2
MDT 134	Ear-Training II	2
MDT 136	Keyboard Method II	1
MDT 153	Concert Chorale	0.5
MDT 173	Opera Workshop	0.5
	Credits	**11**
Sophomore		
Semester 1		
MDT 121		0.5
MDT 153	Concert Chorale	0.5
MDT 173	Opera Workshop	0.5
MDT 220	Diction for Singers	3
MDT 222	Applied Music III	1.5
MDT 231	Harmony III	2
MDT 232	Ear-Training III	2
MDT 235	Keyboard Method III	1

MDT 329	Music History before 1750	3
	Credits	**14**
Semester 2		
MDT 121		0.5
MDT 153	Concert Chorale	0.5
MDT 173	Opera Workshop	0.5
MDT 223	Applied Music IV	1.5
MDT 233	Harmony IV	2
MDT 234	Ear-Training IV	2
MDT 236	Keyboard Method IV	1
MDT 330	Music History after 1750	3
LANG 107	Elementary Italian I	3
MDT 166	Exploring Western Music	3
	Credits	**17**
Junior		
Semester 1		
MDT 121		0.5
MDT 153	Concert Chorale	0.5
MDT 259	Musical Composition	2
MDT 174	Opera Workshop	1
MDT 268	Computer Music I	3
MDT 322	Applied Music V	1.5
MDT 337	Form & Analysis	2
MDT 338	Instrumental & Vocal Arranging	2
MDT 346	Choral Conducting	1
	Credits	**13.5**
Semester 2		
MDT 121		0.5
MDT 153	Concert Chorale	0.5
MDT 324	Applied Music VI	1.5
MDT 174	Opera Workshop	1
MDT 342	18th-Century Counterpoint	2
MDT 345	Instrumental Conducting	1
LANG 119	Elementary German I	3
	Credits	**9.5**
Senior		
Semester 1		
MDT 121		0.5
MDT 137	Vocal Literature	1
MDT 153	Concert Chorale	0.5
MDT 422	Applied Music VII	1.5
MDT 174	Opera Workshop	1
MDT 5XX	Advanced Music History Course	3
LANG 105	Elementary French I	3
	Credits	**10.5**
Semester 2		
MDT 121		0.5
MDT 154	Concert Chorale	1
MDT 424	Applied Music VIII	1.5
MDT 174	Opera Workshop	1
MDT 511	Vocal Pedagogy	3
	Credits	**7**
	Total Credits	**90.5**

Student Learning Outcomes

Upon completion of the Music Performance -Voice program, students will be able to:

1. Demonstrate comprehensive skills and knowledge of music theory, and music history.
2. Demonstrate comprehensive skills and knowledge of musical performance.
3. Research vocal repertory with respect to style, composer, and performance practice.
4. Translate foreign texts, transcribe them into International Phonetic Alphabet symbols (IPA).
5. Articulate foreign texts with clear and correct diction.
6. Articulate pedagogical skills necessary to function as private voice instructors, and have a thorough understanding of vocal anatomy, physiology, and hygiene.

Performance—Jazz Studies, B.M.

Completion of this major prepares one for a career as a jazz performer. Continued study may include a master's degree Jazz performance or other areas of music.

THE REQUIREMENTS FOR ADMISSION TO THIS DEGREE TRACK ARE:

- Audition is required to be admitted into the program.
- A minimum cumulative undergraduate grade point average of 3.0 in music courses is required.
- All applied instructions need to be taken with chamber music, large ensemble and music seminar.

Code	Title	Credits
Required Courses		
MDT 121 (0.5 credit/semester for 8 semesters)		4
MDT 122	Applied Music I	1.5
MDT 123	Applied Music II	1.5
MDT 166	Exploring Western Music	3
MDT 167	World Music	3
MDT 222	Applied Music III	1.5
MDT 223	Applied Music IV	1.5
MDT 323	Applied Music V	3
MDT 325	Applied Music VI	3
MDT 423	Applied Music VII	3
MDT 425	Applied Music VIII	3
MDT 131	Harmony I	2
MDT 133	Harmony II	2
MDT 231	Harmony III	2
MDT 233	Harmony IV	2
MDT 132	Ear-Training I	2
MDT 134	Ear-Training II	2
MDT 232	Ear-Training III	2
MDT 234	Ear-Training IV	2

MDT 135	Keyboard Method I	1
MDT 136	Keyboard Method II	1
MDT 235	Keyboard Method III	1
MDT 144	Jazz Keyboard Harmony	1
MDT 106	Jazz History (for Music majors/minors)	3
MDT 353	The Survey of the Music Business	3
MDT 338	Instrumental & Vocal Arranging	2
MDT 268	Computer Music I	3
MDT 269	Computer Music II	3
MDT 243	Jazz Improvisation I	2
MDT 244	Jazz Improvisation II	2
MDT 327	Jazz Improvisation and Composition: The Blues	3
MDT 339	Jazz-Commercial Arranging	2
MDT 524	Jazz Pedagogy	3
MDT 526	Jazz Arranging	3
MDT 509	Advanced Jazz Improvisation	3
MDT 199	Jazz Combos (0.5 credit/semester for 8 semesters)	0.5
Ensemble: Select 0.5 credit/semester for 6 semesters)		**3**
MDT 175	Jazz Vocal Ensemble (0.5 credit/semester for 6 semesters)	1
MDT 197	Jazz Ensemble (0.5 credit/semester for 6 semesters)	0.5
Ensemble (Select 1 credit/semester for 2 semesters		**2**
MDT 194	Jazz Vocal Ensemble	1
MDT 198	Jazz Ensemble (1 credit for 2 semester)	1
Total: 88 credits		

*When registered in Applied it is mandatory to also register MDT 121, small ensemble, and large ensemble in the same semester.

Freshman

Semester 1		**Credits**
MDT 121		0.5
MDT 122	Applied Music I	1.5
MDT 131	Harmony I	2
MDT 132	Ear-Training I	2
MDT 135	Keyboard Method I	1
MDT 175 or MDT 197	Jazz Vocal Ensemble or Jazz Ensemble	0.5
MDT 199	Jazz Combos	0.5
	Credits	**8**
Semester 2		
MDT 121		0.5
MDT 167	World Music	3
MDT 123	Applied Music II	1.5
MDT 133	Harmony II	2
MDT 134	Ear-Training II	2
MDT 136	Keyboard Method II	1
MDT 175 or MDT 197	Jazz Vocal Ensemble or Jazz Ensemble	0.5
MDT 199	Jazz Combos	0.5
	Credits	**11**

Sophomore

Semester 1		
MDT 121		
MDT 106	Jazz History	3
MDT 175 or MDT 197	Jazz Vocal Ensemble or Jazz Ensemble	0.5
MDT 199	Jazz Combos	0.5
MDT 222	Applied Music III	1.5
MDT 231	Harmony III	2
MDT 232	Ear-Training III	2
MDT 235	Keyboard Method III	1
	Credits	**10.5**
Semester 2		
MDT 121		0.5
MDT 144	Jazz Keyboard Harmony	1
MDT 166	Exploring Western Music	3
MDT 197	Jazz Ensemble	0.5
MDT 199	Jazz Combos	0.5
MDT 223	Applied Music IV	1.5
MDT 233	Harmony IV	2
MDT 234	Ear-Training IV	2
MDT 353	The Survey of the Music Business	3
	Credits	**14**

Junior

Semester 1		
MDT 121		0.5
MDT 175 or MDT 197	Jazz Vocal Ensemble or Jazz Ensemble	0.5
MDT 199	Jazz Combos	0.5
MDT 323	Applied Music V	3
MDT 338	Instrumental & Vocal Arranging	2
MDT 268	Computer Music I	3
MDT 243	Jazz Improvisation I	2
	Credits	**11.5**
Semester 2		
MDT 121		0.5
MDT 199	Jazz Combos	0.5
MDT 175 or MDT 197	Jazz Vocal Ensemble or Jazz Ensemble	0.5
MDT 244	Jazz Improvisation II	2
MDT 269	Computer Music II	3
MDT 325	Applied Music VI	3
MDT 339	Jazz-Commercial Arranging	2
	Credits	**11.5**

Senior

Semester 1		
MDT 121		0.5
MDT 194	Jazz Vocal Ensemble	1
MDT 199 or MDT 197	Jazz Combos or Jazz Ensemble	0.5
MDT 327	Jazz Improvisation and Composition: The Blues	3
MDT 423	Applied Music VII	3

MDT 524	Jazz Pedagogy	3
MDT 526	Jazz Arranging	3
	Credits	**14**
Semester 2		
MDT 121		0.5
MDT 194	Jazz Vocal Ensemble	1
MDT 199 or MDT 197	Jazz Combos or Jazz Ensemble	0.5
MDT 425	Applied Music VIII	3
MDT 509	Advanced Jazz Improvisation	3
	Credits	**8**
	Total Credits	**88.5**

- Applied Music must be taken with Jazz Combos, Large Ensemble and Seminar
- Needs to maintain 3.0 GPA for music courses

Student Learning Outcomes

Upon completion of the Music Performance -Jazz program, students will be able to demonstrate:

1. Comprehensive skills and knowledge of music theory, and music history.
2. Comprehensive skills and knowledge of musical performance.
3. Knowledge to compose and arrange original compositions as well as the skills to orchestrate for small and large ensemble.
4. Develop an awareness of the current materials and methodologies used in articulating a jazz curriculum from kindergarten through the college level.
5. Comprehensive skills and knowledge needed to understand how the music industry functions.

Political Science

Karnoutsos Arts and Sciences Hall, Room 606
Tel: (201)200-3574

The Political Science Department (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/political-science) provides a foundation in the discipline and its sub-fields through rigorous coursework that stresses active learning, cultural diversity and personal responsibility. Critical issues ranging from war and peace to climate change to poverty to healthcare to civil rights profoundly influence the lives we lead, and politics lies at the center of them all. Political Science is the study of politics and government; of the institutions, processes, systems, participants, policies and behaviors that comprise political life at the local, state, national, and international levels. To help make sense of all this, the discipline is divided into a host of related subfields, including American politics, international relations, comparative politics, political theory, and public policy.

We are committed to creating a dynamic learning experience for NJCU students. Our program introduces students to the main subfields of the discipline and prepares them to understand the complex issues facing our society today and to become better citizens and to be future leaders in their communities. The writing, reasoning and critical thinking skills central to our curriculum are essential tools for success in any career path, be it public service or corporate or nonprofit industries.

Our students go on to careers in education, law, government, international affairs and other related fields; or they continue their study in graduate or law school. We offer degree and non-degree programs to align with a variety of interests and career goals. Our pre-law and international studies minors complement a political science major, but will also add value to other major programs of study, particularly in the social sciences. Our faculty members have a range of research interests and specialties and are sought-after experts in the discipline.

The NJCU Political Science Department sponsors a chapter of Pi Sigma Alpha, the national Political Science Honor Society.

Francis Moran, Chairperson (fmoran@njcu.edu)
Professor of Political Science
Dickinson College, B.A.; New York University, M.A., Ph.D.

Joseph Moskowitz (jmoskowitz@njcu.edu)
Professor of Political Science
Long Island University, B.A.; New York University, M.A., Ph.D.

Ning Liao (nliao@njcu.edu)
Associate Professor of Political Science
Xiamen University, B.A., M.A.; Old Dominion University, Ph.D.

Louise Stanton (lstanton@njcu.edu)
Associate Professor of Political Science
Georgetown University, B.A.; Seton Hall, J.D.; Rutgers University, M.S., Ph.D.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Global Studies, Minor (p. 166)
- Political Science, B.A. (p. 167)
- Political Science, Minor (p. 168)
- Pre-Law Studies (p. 168)

The Department allows offers the following:

- Pre-Law Studies (p. 168)

Political Science (POLI)

POLI 1XX Political Science Transfer Credit (0 Credits)

POLI 2XX Political Science Transfer Credit (0 Credits)

POLI 102 United States Politics (3 Credits)
American government and politics unique? How does the world's foremost democracy really work? This introductory course imparts a basic understanding of the major institutions, participants and ideas animating American political life.

POLI 105 History of Political Thought (3 Credits)
Justice, democracy, equality, and liberty are just some of the key ideas and contentious issues that have animated political life from ancient Athens to the present. This course focuses on selected works from both classical and modern political philosophy and examines how these key ideas have been defined, discussed and implemented.

POLI 107 Introduction to Public Administration (3 Credits)
Public Administration involves policy development and implementation, and the relation between various political actors and the administrative bureaucracy. This course introduces students to basic features of the public sector bureaucracy, the policy cycle, leadership style, management, and accountability.

POLI 109 Comparative Politics (3 Credits)
This is a study of major political systems in today's world with special emphasis on modernization and development problems.

POLI 110 Introduction to World Politics (3 Credits)
Discussion topics include the motivations and strategies of major powers, and an examination of the international political system, the balancing process and the adjustment of interstate conflicts. The nature and ingredients of power are analyzed as they affect the international system.

POLI 120 Global Challenges (3 Credits)
This survey course is designed to expose students to the leading global issues confronted by the "global village." It provides students with the knowledge, skills, attitudes, and service learning opportunities to explore solutions to global challenges that will shape our world in the next 25-30 years.

POLI 130 Debating Current Controversies (3 Credits)
Debating Current Controversies teaches the formats and techniques of debate and simultaneously introduces students to rhetoric and argumentation. Policy, Lincoln-Douglas and parliamentary debate formats are introduced. Students also analyze contemporary public policy questions and participate in several debates.

POLI 201 Political Parties and Elections (3 Credits)
Why do we have just 2 major political parties? What are the roles of political parties in the American political system? Are parties necessary for democracy? This course analyzes the evolution and development of the American political party system.
Pre-Requisite: POLI 102

POLI 202 State and Local Government (3 Credits)
This course explores the role of state and local governments in the American federal system. It examines the constitutional and historical relationship between the national government and the states, and the ways in which this dynamic relationship shapes American political life.
Pre-Requisite(s): POLI 102

POLI 204 Media and Politics (3 Credits)
As the media landscape has become increasingly concentrated in the hands of a few corporations, how has that concentration impacted our political life? How do we control for disinformation? How important is public opinion in democratic politics? This course analyzes the role of the mass media in American politics.
Pre-Requisite(s): POLI 102

POLI 208 Research Methods in the Political and Social Sciences (3 Credits)
Research Methods introduces students to the research techniques used to conduct empirical studies in the political and social sciences. Students learn how to analyze empirical studies, prepare literature review, develop research hypotheses, develop a research design, operational concepts, use data bases and collect data, and interpret basic statistics.

POLI 209 Government and Politics of South America (3 Credits)
This is an introduction to the government and politics of the countries of South America. Characteristic themes include power contenders, revolt and revolution, democratization and economic development..
Pre-Requisite(s): POLI 109

POLI 210 Government & Politics of Mexico & the Caribbean (3 Credits)
The focus of this study is the nations of the Caribbean Basin, with emphasis on Mexico and the Spanish-speaking islands (Cuba, Dominican Republic and Puerto Rico). Central America is also considered; with emphasis on the long-range implications for U.S. policy.
Pre-Requisite(s): POLI 109

POLI 212 Introduction to Public Policy Analysis (3 Credits)
Current public policy issues, policy makers, the policy environment, the policy process and theories of policy analysis are studied through case studies and alternative analytical models. Students undertake community engagement assignments by preparing policy memoranda.

POLI 213 Urban Politics (3 Credits)
This course explores power in the city, focusing on the formal institutions of urban government as well as the informal power sources that influence and shape government policy and life in the city.
Pre-Requisite(s): POLI 102

POLI 215 Women and Law (3 Credits)
Using court cases, this course examines current developments in American law regarding women's status and rights in the areas of employment, marriage and family, reproduction, sexuality, and education.
Pre-Requisite(s): POLI 102

POLI 216 Government and Business in United States (3 Credits)
This course examines the structure and process of business-government relations in the United States and the attitudes, which have affected their behavior toward one another. It also details how and why attitudes and policies are changing and the increasing interdependency of the private and public sectors in the American political system.
Pre-Requisite(s): POLI 102

POLI 217 Globalization & Governance (3 Credits)
Globalization, citizenship, and governance are the central ideas explored in this course. Students are introduced to globalization and the consequences for governance. By examining citizenship, students explore their role and place in the global community. The central ideas are viewed in the context of political science, history, and geography.

POLI 221 Politics of Africa (3 Credits)
This course offers an introduction to the politics and government of Africa in contemporary international affairs. The course outlines the shifting dynamics of politics and governance in Africa from the ancient kingdoms, to the post-cold war and modern era of globalization.
Pre-Requisite(s): POLI 109 or POLI 110

POLI 222 Politics of Western Europe (3 Credits)
This course discusses the political and economic development of Western countries (France, Germany UK) and the role of Western Europe in the evolving international political environment.
Pre-Requisite(s): POLI 109 or POLi 110

POLI 223 Government and Politics of Asia (3 Credits)
This course explores leadership, government, and politics in Indonesia, Japan, India, China, Burma and Southeast Asia, the geopolitical relations among these countries, and the role of these countries in international politics.
Pre-Requisite(s): POLI 109 or POLI 110

POLI 224 Comparative Politics of the Middle East (3 Credits)
This course is a theoretical, historical, and institutional survey of the different political systems in the Middle East today. A general overview of the tools of comparative political analysis will be provided so that students will have a framework for which to examine these countries and gain a better understanding of the complex political situation in the contemporary Middle East.
Pre-Requisite(s): POLI 109

POLI 226 Comparative Politics of Russia and Eurasia (3 Credits)
This course examines the institutions, policies, issues, and relations among and between Russia and the surrounding countries; as well as the role and impact of these countries as a whole and the dynamics of their internal relations on global politics.
Prerequisite: POLI 109

POLI 228 President and Congress (3 Credits)
This course focuses on the making of national policy by the President and Congress, with special attention to the Constitutional framework in which they interact as well as the practical political environment which shapes the policymaking process.
Pre-Requisite(s): POLI 102

POLI 230 Business & Politics by the Numbers (3 Credits)
Course studies the relationship between business and politics in the US by using, interpreting and applying data. Topics include corporate power, government relations, interest groups and associations, public opinion, lobbying, and campaign activities.

POLI 250 International Political Economy (3 Credits)
This course provides an introduction to the interplay of politics and economics in the international and domestic arenas. Within the general historical and theoretical frameworks that guide the study of international political economy (IPE), it examines the interaction of states, markets, and social forces across various issue areas of IPE.

POLI 305 CyberPolitics (3 Credits)
This course explores the Internet's impact on politics and government in the United States and around the world. Online political campaigns, cyber-participation, electronic interest group and party activities, and governmental operations will be examined through the analysis of web pages, studies of online activities and participation in online class sessions.
Pre-Requisite(s): POLI 102 or POLI 109.

POLI 306 Constitutional Law (3 Credits)
This course examines the U. S. federal constitution and its organization and functions with emphasis on major judicial theories and the role of the Supreme Court using court cases.
Pre-Requisite(s): POLI 102

POLI 307 International Law (3 Credits)
This is an overview of the development of international law, the institutions involved in international law, and landmark cases. It examines the role of the United Nations and the extent to which international law helps to guide and constrain behavior among the nations of the world.
Pre-requisite: POLI 110

POLI 310 Global Issues of Urgency (3 Credits)
This course uses a thematic/topical approach to study the ways in which the international community has responded to particular set of crises, the advantages of the obstacles to cooperation, and the prospects for success.
Pre-requisite: POLI 110

POLI 311 Judicial Process (3 Credits)
This course analyzes the structure and functions of the American judicial system with an emphasis on how courts work, how judges deride cases and the political effects of judicial decision making.
Pre-Requisite(s): POLI 102

POLI 313 Civil Liberties in the United States (3 Credits)
This study analyzes the amendments to the federal constitution as they relate to the development of civil liberties in American society with an emphasis on the first, tenth and fourteenth amendments.
Pre-requisite: POLI 102

POLI 320 Current Political Campaigns in the US (3 Credits)
This course involves in-depth analysis of elections in a current electoral cycle. It examines the participants (candidates, parties, interest groups, and media) and strategies (electoral, promotional, and advertising) involved in a specific campaign.
Pre-Requisite(s): POLI 102

POLI 322 Advanced Studies in European Politics (3 Credits)
This course examines the regional politics of European governments including the European Union, the integration of Eastern and Western Europe, and NATO.
Pre-Requisite(s): POLI 109 or POLI 110: POLI 222 or POLI 226 recommended

POLI 324 International Relations in the Middle East (3 Credits)
This course examines the complex web of relations between and among the nations in the Middle East as well as other nation with interests in the region.
Pre-requisite: POLI 110, POLI 224 recommended

POLI 327 UN and World Affairs (3 Credits)
The role of the United Nations, regional, and international organizations in the contemporary world is the focus of this course. The history and usefulness of these organizations in the settlement of international conflicts and the functions of international law are also examined in light of the struggle for peace, justice and security.
Pre-Requisite(s): POLI 110

POLI 331 U.S. Foreign Policy (3 Credits)
Decision processes and contents of contemporary U.S. foreign and defense policies, emphasizing major participants, underlying traditions, and principal concepts are discussed. Past policies and current events are used to illustrate the decision process.
Pre-requisite: POLI 102 and POLI 110

POLI 334 Issues of War & Peace (3 Credits)
This is an interdisciplinary study of possible approaches to permanent peace and an examination of the causes of war. Case studies are undertaken wherever appropriate.
Pre-requisite: POLI 105 or POLI 110

POLI 341 Political Science Fiction (3 Credits)
This course draws on works in classic and contemporary science fiction to develop political ideas and bring political ideas to reading and analyzing these works.
Pre-Requisite(s): POLI 105

POLI 346 Public Personnel Systems (3 Credits)
This course examines the organization and management of public sector human resources, including reforms and comparisons/contrasts with private sector human resource systems.
Pre-Requisite(s): POLI 212

POLI 354 Politics Through Film (3 Credits)
This course focuses on politics through the lens of classic and contemporary cinema. It emphasizes the portrayal of politics in feature films and the impact of film in shaping public opinion and perceptions on political issues, actors, and institution.
Pre-Requisite(s): POLI 102

POLI 398 Capstone Seminar of Global Studies (3 Credits)
In this seminar, students integrate and apply the theoretical and methodological underpinnings of global studies as they explore a thematic topic own choosing. Through their research, students will enhance analytical, writing and presentation skills, and develop global empathy by engaging in civic activities directed at solving global challenges.
Prerequisites: POLI 110

POLI 440 United Nation Workshop (3 Credits)
This course is built around the annual National Model United Nations simulation exercise held in New York City. Students research and write position papers related to specific United Nations committee topics and the country being represented, draft resolution, make speeches, and work to build coalition at the simulation.
Pre-Requisite(s): POLI 327

POLI 450 Seminar in American Government (3 Credits)
This seminar offers an intensive study of issues related to American government. The course typically culminates in the creation and presentation of a research project related to the themes developed during the course.
Pre-requisite: POLI 102 or permission of instructor

POLI 452 Seminar in International Relations (3 Credits)
This seminar focuses on the study of International politics. The course typically culminates in the creation and presentation of a research project related to the themes developed during the course.
Pre-requisite: POLI 110

POLI 453 Seminar in Urban Politics (3 Credits)
This seminar provides close study of issues related to historic and contemporary urban life. The course typically culminates in the creation and presentation of research project related to the themes developed during the course.
Pre-requisite: POLI 102 or permission of instructor

POLI 494 Seminar in Political Theory (3 Credits)
This seminar offers an intensive study of selected topics related in political theory, democracy, equality, American political thought, etc. The course typically culminates in the creation and presentation of a research project related to the themes developed during the course.
Pre-requisite: POLI 105

POLI 496 Legal Research (3 Credits)
This workshop is for students with a keen interest in entering the legal profession upon graduation. Students will learn how to conduct legal research (online and in the books); compare case law facts with the facts of a client's situation; identify legal issues; to practice these skills with hypotheticals; and to write memoranda. It is the capstone course for students in the pre-law minor.
Pre-Requisite(s): POLI 102 or permission of instructor

POLI 497 Legal Internship Pre-Law (3 Credits)
Working in conjunction with the Office of Academic Career Planning and Placement , students are placed in an internship in a law office.
Pre-Requisite(s): Permission of instructor

POLI 498 Internship in Policy and Admin (3 Credits)
Working in conjunction with the Office of Academic Career Planning and Placement , students are placed in an internship in a law office.
Pre-Requisite(s): Permission of Instructor

POLI 499 Legal Writing (3 Credits)
Students learn research and writing methods specific to the legal process, including applying the law to real and hypothetical situations. Students develop legal reasoning skills by analyzing legislation, debating legal issues, and assessing case law. Students organize and formulate two types of legal writings: a motion and a memorandum.
Pre-requisite: POLI 496

POLI 1499 Independent Study Political Science (1 Credit)

POLI 2499 Independent Study Political Science (2 Credits)

POLI 3499 Independent Study Political Science (3 Credits)

Global Studies, Minor

A minor in Global Studies is designed to engage students in an in-depth examination of major social, political, economic, and cultural trends that shape today's world. While the Political Science Department offers the foundational course and the Capstone Seminar of this program, courses from participating departments offer a multidisciplinary range of conceptual tools and methodological skills for students to analyze transnational issues in critical, ethical, and innovative ways. Equipped with a solid empirical grounding to explore the key patterns of current global affairs, students will apply an interdisciplinary approach to investigate the sources, implications, and consequences of a variety of global events. The aim of this program is to enhance students' appreciation for and understanding of global issues within the context of a diverse, flexible curriculum. The courses also promote their responsible global citizenship through the engagement in civic actions.

Code	Title	Credits
Foundational Course		**3**
POLI 120	Global Challenges	3
Thematic Electives		**12**
All minors in Global Studies are required to choose four (4) elective courses in one (1) of the following three thematic tracks. The electives should include 3-6 credits at 100-level AND 6-9 credits at 200-level or above.		
Track 1: Conflicts & Security		
CJ 111	Introduction to Criminal Justice	3
CJ 301	Terrorism	3
CJ 308	Multi-Cultural Law Enforcement	3
CJ 420	International Criminal Justice	3
POLI 110	Introduction to World Politics	3
POLI 310	Global Issues of Urgency	3
POLI 324	International Relations in the Middle East	3
POLI 334	Issues of War & Peace	3
SECU 155	Introduction to International Security	3
SECU 221	Contemporary International Security Topics	3
SOCI 237	Refugees and Forced Migration	3
Track II: Culture & Religion		
AFRO 101	The African Diaspora	3
ART 130	World Art I	3
ART 131	World Art II	3
ART 269	Asian Art	3

HIST 162	Introduction to Latin American Civilization	3
HIST 166	Introduction to East Asian Civilizations	3
HIST 233	World History: 1400 CE to Present	3
LANG 275	Islam Today	3
LATI 202	Ethnicity, Racialism, and Culture in Mexico and Central America	3
MDT 104	Music of the World's People	3
MEDI 215	Introduction to International Cinemas	3
PHIL 135	World Religions	3
PHIL 217	Eastern Philosophy and Religion	3
Track III: Global Governance		
MGMT 241	Global Business	3
POLI 109	Comparative Politics	3
POLI 110	Introduction to World Politics	3
POLI 217	Globalization & Governance	3
POLI 221	Politics of Africa	3
POLI 222	Politics of Western Europe	3
POLI 223	Government and Politics of Asia	3
POLI 224	Comparative Politics of the Middle East	3
POLI 250	International Political Economy	3
POLI 327	UN and World Affairs	3
POLI 440	United Nation Workshop	3
Required Capstone Seminar [1]		**3**
POLI 398	Capstone Seminar of Global Studies	3
Foreign Language Electives		**6**
All minors in Global Studies are required to take six (6) credits of one (1) foreign language course in Arabic, Chinese, French, German, Italian, Japanese, or Spanish in two semesters.		
Total Credits		**24**

[1] Prerequisites: 15 credits in the minor in Global Studies, including POLI 120 and four (4) electives (12 credits) in one of the three thematic tracks.

Political Science, B.A.

Completion of this major prepares students for careers in government, including state and federal civil service, the foreign service, state and federal legislative policy, intergovernmental work, and international organizations, including the United Nations. The program also prepares students for work in non-governmental organizations, business and business-related organizations, consulting, media, non-profit, educational, and research organizations. Completion of the Political Science major also prepares students to pursue advanced degrees in law, public administration and policy, diplomacy and international relations.

Major Credit Hours: 36 Required Credits as a Political Science Major

Minimum GPA Graduation Requirement: 2.0 CGPA

Code	Title	Credits
Required Courses: 12 Credits		
POLI 102	United States Politics	3
POLI 105	History of Political Thought	3
POLI 109	Comparative Politics	3
POLI 110	Introduction to World Politics	3
Electives (21 credits total)*		
Select at least 9 credits from the following 200 level courses:		
POLI 201	Political Parties and Elections	3
POLI 202	State and Local Government	3
POLI 204	Media and Politics	3
POLI 213	Urban Politics	3
POLI 215	Women and Law	3
POLI 216	Government and Business in United States	3
POLI 228	President and Congress	3
POLI 209	Government and Politics of South America	3
POLI 210	Government & Politics of Mexico & the Caribbean	3
POLI 221	Politics of Africa	3
POLI 222	Politics of Western Europe	3
POLI 223	Government and Politics of Asia	3
POLI 224	Comparative Politics of the Middle East	3
POLI 226	Comparative Politics of Russia and Eurasia	3
Select at least 12 credits from the following 300 level courses:		
POLI 306	Constitutional Law	3
POLI 311	Judicial Process	3
POLI 313	Civil Liberties in the United States	3
POLI 320	Current Political Campaigns in the US	3
POLI 331	U.S. Foreign Policy	3
POLI 354	Politics Through Film	3
POLI 307	International Law	3
POLI 310	Global Issues of Urgency	3
POLI 322	Advanced Studies in European Politics	3
POLI 324	International Relations in the Middle East	3
POLI 327	UN and World Affairs (Required for POLI 440)	3
POLI 334	Issues of War & Peace	3
*Up to 6 credits of Co Op Education may be included in the elective total		
Select 3 credits from the following seminar courses:		
POLI 440	United Nation Workshop (POLI 327 pre-req)	3
POLI 450	Seminar in American Government	3
POLI 452	Seminar in International Relations	3
Total		**36**

Freshman		
Semester 1		**Credits**
POLI 102	United States Politics	3
	Credits	**3**
Semester 2		
POLI 105	History of Political Thought	3
POLI 110	Introduction to World Politics	3
	Credits	**6**
Sophomore		
Semester 1		
POLI 109	Comparative Politics	3
Political Science 200 level Elective		3
	Credits	**6**

Semester 2		
Political Science 200 Level Elective		3
	Credits	**3**
Junior		
Semester 1		
Political Science 200 Level Elective		3
Political Science 300 Level Elective		3
	Credits	**6**
Semester 2		
Political Science 300 Level Elective or POLI 440, or POLI 450, or POLI 452		3
	Credits	**3**
Senior		
Semester 1		
Political Science 300 Level Elective		3
POLI 450 or POLI 452	Seminar in American Government (or Political Science 300 Level Electve) or Seminar in International Relations	3
	Credits	**6**
Semester 2		
POLI 440	United Nation Workshop (or 300 Level Political Science Elective)	3
	Credits	**3**
	Total Credits	**36**

Student Learning Outcomes

Upon completion of the Political Science BA program, students will be able to:

1. Explain the processes, theories, and functioning of political institutions and political behavior.
2. Employ critical thinking and demonstrate social scientific literacy with reference to relevant theoretical political science concepts
3. Use social science research methods to conduct research on political phenomena.
4. Communicate to convey complex political science concepts and information in a clear and concise manner.
5. Distinguish one's role in a socio-political context and engage as a responsible citizen.

Political Science, Minor

Political Science focuses on government and politics, and because government and politics influence so much of our lives, this minor is a perfect accompaniment to a variety of majors at the University. Health care, social work, the arts, teaching, criminal justice, and more all have a significant political component. Having a firmer understanding of how government and politics intersect with your major course of study will complement your work in that major.

Code	Title	Credits
Required Courses		
POLI 102	United States Politics	3
POLI 105	History of Political Thought	3
POLI 109	Comparative Politics	3
POLI 110	Introduction to World Politics	3
Select 3 credits from the following American Politics courses:		
POLI 201	Political Parties and Elections	3
POLI 202	State and Local Government	3
POLI 204	Media and Politics	3
POLI 213	Urban Politics	3
POLI 215	Women and Law	3
POLI 216	Government and Business in United States	3
POLI 228	President and Congress	3
POLI 306	Constitutional Law	3
POLI 311	Judicial Process	3
POLI 313	Civil Liberties in the United States	3
POLI 320	Current Political Campaigns in the US	3
POLI 331	U.S. Foreign Policy	3
POLI 354	Politics Through Film	3
Select 3 credits from the following Comparative Government & International Studies courses:		
POLI 209	Government and Politics of South America	3
POLI 210	Government & Politics of Mexico & the Caribbean	3
POLI 221	Politics of Africa	3
POLI 222	Politics of Western Europe	3
POLI 223	Government and Politics of Asia	3
POLI 224	Comparative Politics of the Middle East	3
POLI 226	Comparative Politics of Russia and Eurasia	3
POLI 307	International Law	3
POLI 310	Global Issues of Urgency	3
POLI 322	Advanced Studies in European Politics	3
POLI 324	International Relations in the Middle East	3
POLI 327	UN and World Affairs	3
POLI 334	Issues of War & Peace	3
Select 3 credits from the following seminar courses:		
POLI 440	United Nation Workshop	3
POLI 450	Seminar in American Government	3
POLI 452	Seminar in International Relations	3
POLI 453	Seminar in Urban Politics	3
3 Credit Elective - Select an additional POLI course listed above or Cooperative Education Experience.		**3**
Total Credits		24

Pre-Law Studies

Karnoutsos Arts and Sciences Hall, Room 640
201-200-3231
http://www.njcu.edu/department/pre-law-minor

Hosted by the Political Science Department, the Pre-Law minor is an interdisciplinary program designed to enable students to develop essential skills for the study and practice of law. It is a rigorous program of study intended to introduce students to broad areas of law, the institutions of law making, and to developing the critical-thinking and analytical skills to succeed.

Unsure about law school? The legal profession is broad and also welcomes students and alumni from all disciplines. Conversations with the Prelaw Advisor will guide you to the "core skills, values, knowledge

and experience" that the American Bar Association recommends for anyone interested in entering the legal profession.

Louise Stanton, Faculty Advisor (lstanton@njcu.edu)
Associate Professor, Political Science
Georgetown University, B.A.; Seton Hall, J.D.; Rutgers University, M.S., Ph.D.

- Pre-Law, Minor (p. 169)

Pre-Law, Minor

A minor in pre-law prepares students to understand the complex issues facing our society today. The knowledge gained through our department's coursework helps students become better citizens of their communities and future leaders.

Unsure about law school? The legal profession is broad and also welcomes students from all disciplines. Conversations with the Prelaw Advisor will guide you to the "core skills, values, knowledge and experience" that the American Bar Association recommends for anyone interested in entering the legal profession

Code	Title	Credits
Required Courses:		**9**
POLI 102	United States Politics	3
POLI 311	Judicial Process	3
POLI 496	Legal Research	3
Select one course from the following courses without Political Science prerequisites:		**3**
POLI 215	Women and Law	3
POLI 307	International Law	3
CJ 305	Criminal Law	3
CJ 325	Criminal Procedure	3
CJ 340	Criminal Evidence	3
Select one course from the following courses with Political Science prerequisites:		**3**
POLI 306	Constitutional Law	3
POLI 313	Civil Liberties in the United States	3
Select one course from the following suggested courses or another course that emphasizes critical thinking, reading and/or writing skills in consultation with the Pre-Law Faculty Advisor:		**3**
POLI 310	Global Issues of Urgency	3
POLI 450	Seminar in American Government	3
POLI 452	Seminar in International Relations	3
POLI 453	Seminar in Urban Politics	3
POLI 494	Seminar in Political Theory	3
SOCI 341	Law and Social Values	3
CJ 372	Criminal Justice Research	3
Total Credits		**18**

Psychology

Professional Studies Building, Room 430
201-200-3309

The Psychology Department (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/psychology) prepares students for numerous and varied career options. Among the possibilities: Psychology majors go on to teach, conduct research, serve as consultants, and diagnose and treat people. They work in an assortment of settings, such as schools, corporations, nonprofit organizations and government agencies. Faculty members of the Psychology Department are involved in a number of research projects supported by grants and other related sources. Students are given opportunities to collaborate with faculty members on research projects. The Department hosts an active psychology club and a chapter of the Psi Chi International Honor Society in Psychology.

James Lennon, Chairperson
Professor of Psychology
Manhattan College, B.A.; State University of New York, New Paltz, M.A.; State University of New York, Albany, Ph.D.

Andrew Getzfeld
Professor of Psychology
Vassar College, B.A.; University of Wisconsin, M.S.S.W.; University of Tennessee, Ph.D.

Frank Nascimento (fnascimento@njcu.edu)
Associate Professor of Psychology
Rutgers, The State University of New Jersey, B.A., M.A.; New Jersey City University, M.A. and Professional Diploma in School Psychology; Fairleigh Dickinson University, Psy.D.

William Wattenmaker (wwattenmaker@njcu.edu)
Associate Professor of Psychology
University of Pittsburg, B.A.; University of Illinois, M.A., Ph.D.

Peri O. Yuksel-Sokman (pyuksel@njcu.edu)
Associate Professor of Psychology
John Jay College of Criminal Justice, B.A., B.S.; The Graduate Center of City University of New York, Ph.D.

Wei Zhang
Assistant Professor of Psychology
South China University of Technology, B.A. English; Pace University, M.A. Psychology; The Graduate Center of City University of New York (CUNY), Ph.D. and M.Phil. Psychology (Cognition, Brain and Behavior)

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Psychology, B.A. (p. 172)
- Psychology, Minor (p. 173)

Other

- Certificate in Behavior Management and Introductory Applied Behavior

Psychology (PSYC)

PSYC 1XX Psychology Transfer Credit (0 Credits)

PSYC 2XX Psychology Transfer Credit (0 Credits)

PSYC 100 The Psychology of Self-Development (3 Credits)
In this course, students will develop greater self-awareness and personal growth through the study of personality and the coping mechanisms necessary for adjustment to everyday stresses and frustrations. They will also develop a deeper understanding of the psychological, and social factors that shape and influence their thoughts and behaviors and the thoughts and behaviors of others.

PSYC 110 Introduction to Psychology (3 Credits)
This course provides a general survey of psychological theories, principles and research. Topics include: biological foundations of behavior, sensation, perception, learning, personality theory and social psychology.

PSYC 150 Developmental: Birth Through Adolescence (3 Credits)
Course provides a general survey of behavior from birth through childhood, with emphasis on the effects of heredity and experience on human growth. The physical, social, and emotional development of the child are among the areas investigated.

PSYC 152 Development Adolescence to Adulthood (3 Credits)
This course provides a general survey of behavior during preadolescence, adolescence, adulthood and senescence, with emphasis given to the biological, social, and emotional changes that occur during these developmental periods.

PSYC 154 Lifespan developmental psychology for the nursing profession (3 Credits)
Lifespan development introduces nursing candidates to typical and atypical physical, cognitive, and psychosocial stages of development across the lifespan. Learning objectives include understanding the interaction of nature and nurture, historical theories of development and practical issues such as identifying hormonal and body image changes associated with patient development, patient-nurse communication,

PSYC 160 Social Psychology (3 Credits)
This course offers an introduction to the scientific study of interpersonal and intergroup interaction. Emphasis is placed on topics such as attitude formation and change, interpersonal attraction, conformity, and aggression.

PSYC 230 Statistics for Social Sciences (3 Credits)
This course offers students an introduction to the quantitative methods necessary to conduct elementary scientific research. Both descriptive and inferential statistics are covered including measures of central tendency, t-test, correlation, and non-parametric methods.
Pre-Requisite(s): PSYC 110 and MATH 102, or MATH 112, or MATH 114, or MATH 140, or MATH 164.

PSYC 235 Experimental Psychology (4 Credits)
This course is an introduction to scientific methodology and experimental techniques used to study areas such as sensation, perception, motivation, learning, and complex cognitive processes. Methods of control, threats to validity, and interpretation of research findings are considered.
Pre-Requisite(s): PSYC 230 Statistics in the Social Science

PSYC 261 Psychological Stress and Coping for First Responders (3 Credits)
This course focuses on the mental health wellbeing of emergency response professionals. Beginning with an exploration of the psychological characteristics of those who choose a career as a first responder, students will learn about the impact of repeated and continued exposure to traumatic situations on the mind and body. The course concludes with a survey of mental health interventions for first responders.

PSYC 300 Psychopathology of Childhood & Adolescence (3 Credits)
This is a course, which focuses on abnormal behavior in childhood and adolescence. Basic types of malfunctioning are considered including those related to psychological, physiological, and social conditions.
Pre-Requisite(s): PSYC 150 Developmental: Birth through Adolescence or PSYC 152 Developmental: Adolescence and Adulthood and 3 credits in psychology

PSYC 301 Abnormal Psychology (3 Credits)
This course is a systematic presentation of the psychology of abnormal behavior. Consideration will be given to the history of the mental health movement and to the causes, classification, and treatment of mental disorders.
Pre-Requisite(s): PSYC 110 Intro to Psychology

PSYC 315 Drug & Alcohol Abuse Counseling I (3 Credits)
This course is the first part of a two-semester course focusing on the treatment of individuals with substance abuse problems. Specifically, this course addresses the following issues: assessment of alcohol/drug problem utilizing the Addiction Severity Index and genogram; clinical aspects of alcohol, and commonly abused drugs including marijuana, cocaine, heroin and inhalants; and major theories of addiction.

PSYC 317 Drug and Alcohol Abuse Counseling II (3 Credits)
This course is the second part of a two-semester course focusing on the treatment of individuals with substance abuse problems. Specifically, this course will focus on the theories, techniques and application of individual, group and family therapies in the treatment of alcohol/drug abuse; self-help groups; and current treatment settings.
Pre-Requisite: PSYC 315 Drug & Alcohol Abuse Counseling I

PSYC 330 Tests and Measurements (3 Credits)
By administering and taking a battery of standardized psychological tests, the student acquires an understanding of the most commonly used group achievement, intelligence, aptitude, personality and interests tests. The statistical basis of testing is also considered.
Pre-Requisite(s): PSYC 230 Statistics in the Social Science

PSYC 336 Senior Research Seminar (3 Credits)
This course offers students a further introduction to the scientific method and the basic research techniques used in the social sciences. Students learn to conduct survey research and design experimental and quasi-experimental studies.
Pre-Requisite(s): PSYC 235 Experimental Psychology and Senior Student Status

PSYC 339 Introduction to School Psychology (3 Credits)
This course introduces undergraduate students to the field of School Psychology. Topics include a historical and legislative overview of the profession, a survey of assessment measures used to evaluate children in schools, and the role and function of School Psychologists in P-12 settings. Furthermore, this course prepares students for the possibility of pursuing future graduate studies in School Psychology.

PSYC 340 Physiological Psychology (3 Credits)
This course acquaints the student with the major positions in Perception through lecture and demonstration. It deals with the means by which complex forms of audio and visual stimulation are organized, and the neurophysiology of sensation.
Pre-requisite: PSYC 235 Experiemental Psychology

PSYC 341 Perception (3 Credits)
This course acquaints the student with the major positions in perception through lecture and demonstration. It deals with the means by which complex forms of audio and visual stimuli are organized and the neurophysiology of sensation.
Pre-Requisite(s): PSYC 235

PSYC 342 Motivation (3 Credits)
This course deals with an integrated and systematic presentation of traditional and contemporary motivational theories and research. Motivational constructs are used to enhance the students' understandings of areas such as learning, aggression, and sexuality.
Pre-Requisite(s): PSYC 235

PSYC 343 Learning (3 Credits)
This course is a systematic presentation of theories and research pertaining to human and animal learning. Special attention is paid to the principles of conditioning and the integration of behavioral, psycho physiological, comparative, and developmental data on learning.
Pre-requisite: PSYC 235 Experimental Psychology

PSYC 344 Cognitive Psychology (3 Credits)
This course offers a systematic presentation of the psychological theories and research pertaining to thinking and other complex cognitive processes. Focus is placed on all forms of knowing: attending, remembering, reasoning, imagining, planning, problem solving, decision-making, and communicating ideas. Factors with affect encoding, storage, retrieval, and processing within these forms of knowing are discussed.
Pre-Requisite(s): PSYC 235

PSYC 345 Personality Theory (3 Credits)
This course offers a challenging investigation of personality development gained through the examination of the major psychoanalytic, behavioral, social psychological, and existential theories of personality.
Pre-Requisite(s): 9 credits in Psychology

PSYC 347 Positive Psychology (3 Credits)
Positive Psychology is an emerging subfield that addresses important questions about how we lead our lives, find happiness and satisfaction, and deal with life's challenges. Firmly rooted in modern research and theory building, students will study, among other things, hope, resilience, and the physical and mental benefits of positive emotions.
Pre-Requisite(s): PSYC 110 Intro To Psychology

PSYC 350 Advanced Developmental Psychology (3 Credits)
This course is designed to build on the basic concepts of developmental psychology by examination and integration of personality, social, and cognitive psychology from the developmental perspective.
Pre-Requisite(s): PSYC 150 Developmental: Birth through Adolescence or PSYC 152 Developmental: Adolecsence

PSYC 360 Advanced Social Psychology (3 Credits)
This course offers an advanced treatment of social psychological theories and research techniques. Traditional areas in social psychology are explored. The course emphasizes the design and evaluation of social psychological solutions to social problems.
Pre-Requisite(s): PSYC 160

PSYC 370 Techniques in Behavior Modification (3 Credits)
This course provides a survey of learning based approaches to behavior management and change. The course covers principles of conditioning, social reinforcement, and token economies. Application of behavior control techniques in institutional settings is also considered. A field Experience may be offered.
Pre-Requisite(s): PSYC 235

PSYC 372 Introduction To Counseling (3 Credits)
This course revolves around the discussion of theories and techniques of counseling with emphasis on developing listening, attending, and observational skills.
Pre-Requisite(s): PSYC 110 and 6 credits in psychology

PSYC 376 Group Dynamics (3 Credits)
This course is a study of interpersonal behavior and group processes using the human relations laboratory approach. Students learn about themselves and others through direct participation, discussion and evaluation within the group setting.
Pre-Requisite(s): PSYC 110 AND Upper level Psychology course

PSYC 380 Industrial Psychology (3 Credits)
This course offers a survey of the scientific literature concerned with the application and evaluation of the methods and findings of psychology to the solution of industrial problems. Areas of concern include personnel practices and employee morale.
Pre-requisite: PSYC 235 Experimental Psychology

PSYC 398 Visual Perception and Creativity (3 Credits)
This course is designed to create an awareness of the psychological aspects of creativity as expressed in various visual forms. Students participate in group activities utilizing numerous materials. Creativity is also stimulated through the use of films and slides.
Pre-Requisite(s): 6 credits in Psychology

PSYC 400 Psychology of Sexual Orientation (3 Credits)

PSYC 401 Mental Hygiene (2 Credits)

PSYC 410 Advanced General Psychology (3 Credits)
This course is an in-depth and critical consideration of the most significant concepts, principles, theories, methodologies, issues and insights in the field of psychology.
Pre-Requisite(s): PSYC 110 Introduction to Psychology and 6 credits in psychology or permission of the instructor

PSYC 412 History and Systems (3 Credits)
This course is a study of the evolution of psychology as it developed from its early philosophical roots to its present status as a science. The contributions of a variety of systems and theories are included.
Pre-Requisite(s): PSYC 235

PSYC 414 Contemporary Issues in Psychology (3 Credits)
This course aims to clarify some of the basic issues regarding the nature of psychology. Psychology's empirical methodology and criteria for truth and ethics regarding the application of psychological knowledge are discussed.
Pre-requisite: PSYC 235 Experimental Psychology OR Permission of the Instructor

PSYC 420 Seminar: Honors Research (3 Credits)
This seminar provides a group of advanced students with the opportunity to intensively explore a topic of special interest. Emphasis is placed on the production and critical evaluation of student papers.
Pre-Requisite(s): Permission of the instructor and appropriate 300 level courses

PSYC 427 Seminar: Clinical Psychology (3 Credits)
This seminar deals with an elaboration and integration of the knowledge and skills encompassed in the sequence of courses required for the Mental Health Specialization. Through class discussion and fieldwork, students are exposed to the issues and skills required for a professional career in mental health.
Pre-Requisite(s): PSYC 372 Introduction to Counseling

PSYC 433 Independent Study (3 Credits)
This course is designed to give the student an opportunity to do in-depth readings in an area of psychology. The student works in close collaboration with a professor.
Pre-Requisite(s): PSYC 235 AND appropriate 300 level course

PSYC 438 Independent Research (3 Credits)
This course is designed to give the student an opportunity to conduct an original research project in an area of psychology. The student works in close collaboration with a professor and department guidelines. Pre-requisite: PSYC 336 Research Method in Psychology.
Pre-Requisite(s): Permission of Instructor and appropriate 300 level courses

PSYC 472 Advanced Counseling (3 Credits)
Advanced Counseling presents an opportunity to further develop the counseling skills of listening, observing and attending, in addition to learning more advanced helping skills (e.g. focusing).
Pre-Requisite(s): PSYC 372

PSYC 475 Psychopharmacology (3 Credits)

PSYC 480 Field Experience (Mental Health) (3 Credits)
This course offers practical experience under supervision, in an urban agency, institution, or organization. Placements have been selected to provide students with the best available opportunity to master integrate, and apply concepts that have been learned in other courses.

PSYC 485 Field Experience Developmental (3 Credits)
This course offers practical experience under supervision, in an urban agency, institution, or organization. Placements have been selected to provide students with the best available opportunity to master integrate, and apply concepts that have been learned in other courses.
Pre-Requisite(s): PSYC 350 Advanced Developmental Psychology or premission of the instructor

PSYC 487 Field Experience: Behavioral Research (3 Credits)

PSYC 490 Cross-Cultural Psychology (3 Credits)
By engaging in focused discussion and reading seminal works, students will be introduced to the scientific study of human behavior and mental processes. They will also develop an understanding of the similarities and variability of human behavior across cultures and in a global context.

PSYC 1433 Independent Study Psychology (1 Credit)

PSYC 1438 Independent Research (1 Credit)

PSYC 1480 Field Experiment (Mental Health) (1 Credit)
This course offers practical experience under supervision, in an urban agency, institution, or organization. Placements have been selected to provide students with the best available opportunity to master integrate, and apply concepts that have been learned in other courses.

PSYC 2480 Field Experiment (Mental Health) (2 Credits)
This course offers practical experience under supervision, in an urban agency, institution, or organization. Placements have been selected to provide students with the best available opportunity to master integrate, and apply concepts that have been learned in other courses.

Psychology, B.A.

The Psychology Department offers a concentration in traditional psychology. The core psychology requirements focus on statistics and research methodology. The remaining requirements provide students with exposure to sub-disciplinary areas that include perception, physiological, cognitive, learning, history and systems, contemporary issues, tests and measurements, developmental, social, personality, abnormal, motivation, psychopathology, and counseling, as well as other areas. Completion of this major prepares one for a career as a child care worker, assistant mental health worker, health care worker, or research assistant. Continued study may include a master's degree in psychology or social work or a doctorate in psychology.

Total Major Credit Hours: 37
Minimum GPA Requirement: 2.0

Code	Title	Credits
Required Courses:		
PSYC 110	Introduction to Psychology	3
PSYC 230	Statistics for Social Sciences	3
or MATH 140	Statistics I	
PSYC 235	Experimental Psychology	4
PSYC 336	Senior Research Seminar	3
Restricted Electives:		
Group 1:Select one course		
PSYC 150	Developmental: Birth Through Adolescence	3
PSYC 152	Development Adolescence to Adulthood	3
PSYC 160	Social Psychology	3
Group 2:Select one course		3
PSYC 340	Physiological Psychology	3
PSYC 341	Perception	3
PSYC 342	Motivation	3
PSYC 343	Learning	3
PSYC 344	Cognitive Psychology	3
Group 3:Select one course		3
PSYC 345	Personality Theory	3
PSYC 347	Positive Psychology	3
PSYC 370	Techniques in Behavior Modification	3
PSYC 350	Advanced Developmental Psychology	3
PSYC 360	Advanced Social Psychology	3
Group 4:Select one course		3
PSYC 330	Tests and Measurements	3
PSYC 339	Introduction to School Psychology	3
PSYC 410	Advanced General Psychology	3
PSYC 412	History and Systems	3
PSYC 490	Cross-Cultural Psychology	3
Group 5:Select one course		3
PSYC 300	Psychopathology of Childhood & Adolescence	3
PSYC 301	Abnormal Psychology	3
PSYC 372	Introduction To Counseling	3
PSYC 427	Seminar: Clinical Psychology	3
PSYC 472	Advanced Counseling	3
Psychology Electives:		**9**

Select 8 credits of ANY 300 or 400 Level Psychology courses from Groups 2-5 above, Psychology electives listed below, or a co-op.		
PSYC 315	Drug & Alcohol Abuse Counseling I	3
PSYC 317	Drug and Alcohol Abuse Counseling II	3
PSYC 376	Group Dynamics	3
PSYC 414	Contemporary Issues in Psychology	3
PSYC 480	Field Experience (Mental Health)	3
Total Credits:		**37**

Freshman

Semester 1		**Credits**
PSYC 110	Introduction to Psychology	3
	Credits	**3**
Semester 2		
PSYC 230 or MATH 140	Statistics for Social Sciences or Statistics I	3
PSYC 150 or PSYC 160 or PSYC 152	Developmental: Birth Through Adolescence or Social Psychology or Development Adolescence to Adulthood	3
	Credits	**6**

Sophomore

Semester 1		
PSYC 235	Experimental Psychology	4
	Credits	**4**
Semester 2		
PSYC 340 or PSYC 341 or PSYC 342 or PSYC 343 or PSYC 344	Physiological Psychology or Perception or Motivation or Learning or Cognitive Psychology	3
PSYC 345 or PSYC 350 or PSYC 360	Personality Theory or Advanced Developmental Psychology or Advanced Social Psychology	3
	Credits	**6**

Junior

Semester 1		
PSYC 330 or PSYC 410 or PSYC 412 or PSYC 414	Tests and Measurements or Advanced General Psychology or History and Systems or Contemporary Issues in Psychology	3
PSYC 300 or PSYC 301 or PSYC 370 or PSYC 372 or PSYC 427	Psychopathology of Childhood & Adolescence or Abnormal Psychology or Techniques in Behavior Modification or Introduction To Counseling or Seminar: Clinical Psychology	3
	Credits	**6**
Semester 2		
Psychology Elective (300-400 Level)		3
Psychology Elective (300-400 Level)		3
	Credits	**6**

Senior

Semester 1		
PSYC 336	Senior Research Seminar	3
Psychology Elective (300-400 Level)		3
	Credits	**6**
	Total Credits	**37**

Student Learning Outcomes

Upon completion of the Psychology BA program, students will be able to:

1. Demonstrate professional skills necessary for successful employment following graduation.
2. Identify and interpret methodologies used in psychology as a social science.
3. Describe key concepts, principles, and overarching themes in psychology.
4. Apply ethical standards to evaluate research conducted in psychology.
5. Psychology students will be able to communicate quantitative data and results.

Psychology, Minor

A minor in Psychology provides students with exposure to areas that include perception, physiological, cognitive, learning, history and systems, contemporary issues, tests and measurements, developmental, social, personality, abnormal, motivation, psychopathology, and counseling, as well as other areas.

Code	Title	Credits
Required Courses:		**10**
PSYC 110	Introduction to Psychology [1]	3
PSYC 230	Statistics for Social Sciences	3
PSYC 235	Experimental Psychology	4
Restricted Electives (Select a minimum of three credits from four of the following groups of Psychology courses.):		**12**
Group I:		
PSYC 150	Developmental: Birth Through Adolescence [1]	
PSYC 152	Development Adolescence to Adulthood [1]	
PSYC 160	Social Psychology [1]	
Group II:		
PSYC 340	Physiological Psychology	
PSYC 341	Perception	
PSYC 343	Learning	
PSYC 344	Cognitive Psychology	
Group III:		
PSYC 345	Personality Theory	
PSYC 350	Advanced Developmental Psychology	
PSYC 360	Advanced Social Psychology	
PSYC 347	Positive Psychology	
PSYC 370	Techniques in Behavior Modification	
Group IV:		
PSYC 330	Tests and Measurements	
PSYC 339	Introduction to School Psychology	

PSYC 410	Advanced General Psychology	
PSYC 412	History and Systems	
PSYC 490	Cross-Cultural Psychology	
Group V:		
PSYC 300	Psychopathology of Childhood & Adolescence	
PSYC 301	Abnormal Psychology	
PSYC 372	Introduction To Counseling	
PSYC 427	Seminar: Clinical Psychology	
PSYC 472	Advanced Counseling	
Total Credits:		25

[1] May be used to simultaneously satisfy a General Education Program requirement.

Sociology, Anthropology, and Social Work

Rossey Hall, Room 539
201-200-3261

The Sociology, Anthropology and Social Work Department (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/sociology-anthropology) offers a variety of degree tracks. Students in the Sociology, Anthropology and Social Work Department are curious about human behavior, particularly in the context of present and past societies. They want to better understand how people and groups interact, how institutions function, how communities form and operate. This curiosity— along with the knowledge and skills the study of sociology, anthropology and social work provide—helps our majors succeed in the workplace or graduate study.

The study of sociology, anthropology, and social work shapes students into articulate communicators, critical thinkers and vanguards for social justice. NJCU's urban setting is the ideal place to study the diversity of cultures and their commonalities. Our coursework covers socially relevant topics that spark lively discussions and deep reflection: juvenile delinquency, death and dying, health, social change, politics, racial identity, and more. Sociology, anthropology, and social work students have a breadth of careers open to them, but many work in education, public service, criminal justice, law and the nonprofit sector. With a Bachelor of Social Work degree, students are eligible for a Certification of Social Work and can apply to advanced standing (1-year master level study) Master of Social Work schools.

Our faculty members are a diverse group with a range of interests and specialties. They create an inclusive, welcoming learning environment for both traditional and non-traditional students and they are happy to talk to you about how a Bachelor of Arts in Sociology, Bachelor of Social Work (BSW), and Sociology minor can help you advance your career.

The Department sponsors a chapter of Alpha Kappa Delta International Honor Society of Sociology and Social Work & Sociology Club.

Max Herman, Co-Chairperson
Associate Professor of Sociology, Anthropology, and Social Work
Tufts University, B.A., Yale University, M.A., University of Arizona, Ph.D.

Jennifer A. Pax, Co-Chairperson/Director of Bachelor of Social Work Program
Associate Professor of Sociology, Anthropology, and Social Work
Pennsylvania State University B.S.; New York School of Law at City University, J.D.; Rutgers University, M.S.W.; Montclair State University, Ph.D.

Godwin Ohiwerei
Professor of Sociology, Anthropology, and Social Work
Dillard University, B.A.; Southern University, M.A.; Louisiana State University, Ph.D.

Muriel Rand
Professor of Sociology, Anthropology, and Social Work
Bucknell University, B.A.; Rutgers University, M.Ed.; Rutgers University, M.S.W.; Rutgers University, Ed.D.

William Westerman
Assistant Professor of Sociology, Anthropology, and Social Work
Harvard University, A.B.; University of Pennsylvania, A.M., Ph.D.

Emerson Silva
Clinical Instructor/Director of Field Education
Rutgers University, B.S.W.; Monmouth University, M.S.W.

The Department offers a Bachelor of Arts in Sociology (BA-Sociology), Bachelor of Social Work (BSW), and minor in Sociology. Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on Undergraduate Degree Requirements (https://catalog.njcu.edu/undergraduate/undergraduate-degree-requirements/).

- Social Work, B.S.W. (p. 179)
- Sociology, B.A. (p. 182)
- Sociology, Minor (p. 183)

SOCI 1XX Sociology Transfer Credit (0 Credits)

SOCI 2XX Sociology Transfer Credit (0 Credits)

SOCI 106 Social Problems (3 Credits)
This course studies contemporary social problems such as inequality racism, sexism, corporate/governmental power and crime. The underlying social factors in these problems are stressed.

SOCI 109 The Changing Family (3 Credits)
This course applies a sociological perspective toward understanding the historical and contemporary functions and transformation of the family. It examines the current state of American families, addressing issues of cohabitation, divorce, same-sex marriage, and the rising number of single person households.

SOCI 110 The City: Interdisciplinary Perspectives (3 Credits)
This course provides students with an overview and introduction to the study of urban communities. Drawing from a variety of academic disciplines (including Economics, Earth and Environmental Sciences, History, Political Science and Sociology) this course addresses past and present challenges faced by cities as they have evolved over time. Students enrolled in the course will be making field trips around the Jersey City-Newark metropolitan region to learn firsthand from urban policy makers and practitioners.

SOCI 111 Principles of Sociology (3 Credits)
This basic course introduces the student to the major concepts, methods, research findings, and theoretical approaches of sociology. The course deals with social organization, functioning, and change.

SOCI 112 Analysis of Social Institutions (3 Credits)
Students learn a sociological approach to analyzing the organization and functioning of a social institution, and intensively study the historical development and contemporary form of selected sectors of society such as religion, education, economy, politics, family, health and welfare, and relationships among these sectors.

SOCI 113 Social Problems (3 Credits)
This course studies contemporary social problems such as inequality racism, sexism, corporate/governmental power and crime. The underlying social factors in these problems are stressed.

SOCI 114 Sociology of the Family (3 Credits)

SOCI 115 Introduction to Anthropology (3 Credits)
This course studies the biological and cultural evolution of mankind--through archeologically derived information as well as observations of contemporary societies.

SOCI 120 Introduction to Aging Studies (3 Credits)
This introductory course is designed to explore the importance of age and aging in individuals and in society. It provides an integrated overview of gerontology--the study of aging. The purpose of this course is to provide a foundation for students who seek careers in the field of gerontology and human services for the aging.

SOCI 121 Sociology of Families (3 Credits)
This course examines the current state of American families and the sociological perspective facing families and the institution of marriage. It also looks at how singles cope with everyday life and alternative life-styles.

SOCI 141 Cultural Anthropology (3 Credits)
This course, emphasizing culture change, introduces the student to basic concepts of cultural anthropology. The ways of life and the worldviews of several societies are studied in depth.

SOCI 143 African-American Families: Past and Present (3 Credits)
This course emphasizes the structure of African American families in American society. African American families are viewed as social systems in contrast with other family and kinship systems.

SOCI 200 Field Internships in Aging (3 Credits)
Designed for students with a concentration in gerontology, this is a one-semester internship in a group, agency or organization that deals with elderly people. Appropriate placements include nursing homes, community centers, senior centers, mental health agencies, nutrition programs and hospitals.

SOCI 201 Women and Family in Different Cultures (3 Credits)
This course examines family structures in selected cultures of the world; their effect on women's roles as wife, mother, daughter, homemaker and worker. The course also considers changes in family life and alternatives to the nuclear family. (Cross-listed with Women's Studies)

SOCI 203 Native People of South America (3 Credits)

SOCI 204 Creative Knowing (3 Credits)
This is an interdisciplinary examination of ancient and contemporary motifs (verbal, visual and conceptual). The course concentrates on the transmission of these motifs as found in the myths, legends and tales of many cultures and academic disciplines.

SOCI 210 Future Society (3 Credits)
This is an examination of those aspects of our present civilization that could have a profound impact on the future of mankind. Consideration is given to written work, which has attempted to give insight into what lies ahead. Students are expected to develop their own hypotheses about future societies with an attempt to anticipate what their subsequent roles in that society might be.

SOCI 221 Human Services in Aging (3 Credits)
This course provides an integrated overview of the needs of the aged and the various services and agencies dealing with the aged, particularly in the urban communities. Topics include the federal, state, local, and neighborhood levels of service, the public and private sectors, the legal and organizational arrangements through which services are provided; and the integration among Service agencies.

SOCI 225 Class, Status and Power (3 Credits)
This course analyzes the extent to which people differ in power, prestige, possessions and life chances. Attention is paid to factors that affect the individual's ability to improve his or her status.

SOCI 230 Cities of Industry: Sociological Perspectives (3 Credits)
This course utilizes sociological perspectives to help students understand the rise, fall, and recent transformation of industrial cities in the New Jersey/New York Metropolitan area. Students will explore the industrial origins of these cities and examine the challenges faced by these cities in the contemporary post-industrial era.

SOCI 232 Sociology of the Aging (3 Credits)
This course examines age as a factor in society. Discussion topics include social changes that affect the aging; problems and issues like health, housing, family relations, activities, and conflicts with other age groups are discussed.

SOCI 233 Introduction to Social Work (3 Credits)
This is an introduction to the theories and practices of social work, community resources and the structure of welfare.

SOCI 234 Social Policy and Welfare (3 Credits)
This course provides students with a basic understanding of the historical development of social welfare policies and programs in the United States. Students explore the values, perceptions, political orientations, and religious beliefs, which have influenced the changing definitions of social problems and the varied treatment of diverse segments of the population during various eras.

SOCI 235 Labor and Society (3 Credits)
The course focuses on the structure of the American occupational system and its relationship to other societal institutions and social movements, as related to the students' occupational expectations. This knowledge is put into practical use by field research assignments, which empirically expose the student to the methods and problems of combining his/her college education with the marketplace.

SOCI 237 Refugees and Forced Migration (3 Credits)
The UN counts 51 million refugees and forcibly displaced people in the world, a number that may quadruple by 2050. They flee from war, genocide, gender violence, political and religious persecution, but seldom find a home. This class examines their circumstances, human rights, and the struggle to escape and survive.

SOCI 241 Workshop on the Aging (3 Credits)
This course attempts to apply knowledge of the practices and current procedures offered by expanding programs for the elderly. Services, agencies, and legislation stimulating new support for persistent problems confronting older citizens are examined.

SOCI 243 Death and Dying (3 Credits)
The course examines the varied patterns of beliefs and rituals that have been developed to manage death in the past, the emerging pattern of managing dying and death in contemporary society, and the social forces that are shaping our death beliefs and practices.

SOCI 244 Ethnic Families in America (3 Credits)
This course is designed to explore the general family patterns and relationships of Asian, African, and Latin American and European American families for whom an ethnic culture has important behavioral and social consequences.

SOCI 245 Sociology of Religion (3 Credits)
The social function of religion in society, the interrelationship of religion with other social institutions, social changes affecting religion, and the structure of the major religious bodies is topics of discussion.

SOCI 246 Sociology of Education (3 Credits)
This course examines the structure and function of the learning process. It is a close examination of American educational institutions and the interrelationship of education to the other major institutions. The formal and informal systems are viewed with emphasis on contemporary trends.

SOCI 249 China: Today (3 Credits)
This is an introductory course outlining the culture of modern China. Assigned readings, lectures and class discussions acquaint the student with the life and culture, achievements and problems of China. Audio-visual material enables the student to gain a more intimate understanding of life and society in China today.

SOCI 253 Visual Sociology (3 Credits)
This course focuses on learning to observe and interpret the social meaning of visual evidence. We examine behavior patterns, rituals, design of physical space, clothing, and images used in art and business. The visual methods of sociology and anthropology participant observation, controlled observation, and physical traces are studied.

SOCI 254 Urban Sociology (3 Credits)
This course analyzes the social factors, which shape American cities and metropolitan regions. The student becomes acquainted with methods of research in urban sociology.

SOCI 255 Juvenile Delinquency (3 Credits)
Systematic study of the nature of juvenile delinquency in modern society, theories about the cause of delinquency, social factors affecting juvenile behavior, and modern methods of handling delinquency, including the juvenile court system is presented in this course.

SOCI 256 Indian Society in Transition (3 Credits)
This course examines the crises and challenges of the second most populous country in the world. It studies institutional changes such as the case system, political leadership, and two of the major religions of the world - Hinduism and Buddhism. It also investigates the future prospects of India.

SOCI 259 Community Organization:Theory & Practice (3 Credits)
This course focuses on the development of the student's understanding of the concept of community and the theory of community. Function and structure of the community as a social system and the impact of the community on the individual are explored. Strategies for community organization are addressed.

SOCI 260 Black Community Organization (3 Credits)
This course examines the structure and goals of black organizations, informal social structure, leadership, gaps in organization and leadership, and the influences of external social forces on the black community and programs that deal with black community problems. The course involves field work.

SOCI 261 African Cultural Influences in the New World (3 Credits)
This is a contemporary community study in areas of the New World where African slavery once existed, such as Brazil, the West Indies, and the United States. Attention is given to reworking of African cultural elements under conditions of slavery and the post-emancipation period.

SOCI 262 Health, Illness & Society (3 Credits)
This course examines the various ways that health and illness intertwine with social organization and customs. Topics for discussion include social patterns that affect the health and health behavior of individuals, groups, and societies, body care as a system of social behavior, how illness is explained in various belief systems and the impact of disease on persons, groups and society. The course is useful preparation for careers in health businesses and agencies: social work, nursing, community planning, and teaching.

SOCI 265 Racial & Cultural Minorities (3 Credits)
This course examines race, ethnicity and religion in minority-dominant group relations. After examining the interrelationships of these factors and immigration, focus is on African-Americans, Hispanics and Asians as minorities. Theory and research in the areas of prejudice and discrimination are examined.

SOCI 267 Cultural Assimilation (3 Credits)
This course discusses the process whereby members of minority groups acquire in whole or in part the culture of the dominant group. Attention is paid to those forces that serve to resist as well as those that accentuate the assimilation process.

SOCI 268 Urban Anthropology (3 Credits)
Studies the cultural system of cities, and the influences of urban life on social organization and attitudes. The course focuses on rural-urban migration, urban segregation, and contemporary urban problems including poverty, racism, violence and street gangs. In addition, the dynamics of acculturation in the Jersey City immigrant community will be addressed.

SOCI 272 Field Experience in Social Practice (3 Credits)
This is a program of field experiences in which participants make on-site visits to organizations such as the courts, prisons, and drug rehabilitation centers. Students are also expected to attend meetings of groups concerned with the amelioration of social problems in our society (i.e., Alcoholics Anonymous, the City Council, etc.).

SOCI 300 Interpreting Culture (3 Credits)
This is a critical review of the history of anthropological approaches to understanding culture. The history of anthropological theory from the enlightenment to post-modernism is discussed the emphasis is placed on the dynamics of culture change from simple to complex societies.
Pre-Requisite(s): 6 credits in Anthropology

SOCI 308 Forensic Anthropology (3 Credits)
Forensic anthropology applies anthropological research and techniques to resolve medico-legal or forensic cases. The course focuses on the study of the human skeleton or remains to assess age, sex, race, stature, and nature of trauma or cause of death. In general, forensic anthropologists focus on bones whereas forensic pathologists (who are physicians) focus on soft tissues such as organs and body fluids.
Pre-Requisite(s): SOCI 115 and SOCI 248

SOCI 309 Riots, Rebellions, Revolutions: Civil Conflict and Violence (3 Credits)
This course critically examines the events of the Summer of 1967 during which several episodes of civil conflict took place in American cities, most notably Newark NJ and Detroit Michigan. These events, often referred to as “riots” or “rebellions”, can also be seen as “revolutionary” in their impact on these cities and the nation as a whole. Students will intensively research these events, explore their causes and consequences, apply theoretical perspectives from several academic disciplines to foster understanding of their genesis, and assess the prospects for urban unrest today in light of recent responses to inequality and injustice in cities like Baltimore, Ferguson, and Charlottesville.
Pre-Requisite(s): 8 Gen Ed Courses across Tier 1 and Tier 2.

SOCI 310 Basic Interviewing Skills (3 Credits)
This course focuses on learning basic interviewing skills, psychosocial assessment, genogram, and recording. Methods of data collection employed within a variety of social service agencies will be examined.

SOCI 314 Treatment Plans in Substance Abuse (3 Credits)
This course focuses on the use of the New Jersey Client Oriented Data Acquisition Process (C.O.D.A.P.) in the assessment and formulation of a treatment plan for alcohol and drug abuse clients. Topics include goal setting, contracting, and a discussion of specific interventions to address clients' alcohol and drug abuse problems.

SOCI 330 Sociology of Sports (3 Credits)
This course is an examination of the functions and definitions of sport in society. Focusing primarily but not exclusively on the US, students examine the relations between culture and sport as well as the relationship of sport to other social institutions, such as politics, economy, mass media, school and amateur athletics, race, and racism.

SOCI 335 Case Management of Alcohol and Drug Abuse Clients (3 Credits)
The course will focus on principles and methods of case management to provide substance-abusing clients with needed community services to assist them in recovery. Topics will include case management for clients with special needs such as mental illness, HIV/AIDS, physical disabilities, and homelessness.

SOCI 336 Professional and Ethical Responsibilities in Substance Abuse Treatment (3 Credits)
The course will focus on legal and ethical issues relevant in the treatment of substance abuse. Case studies will be utilized to present important legal and ethical issues in substance abuse treatment. The course will include topics on enhancing professional growth through the use of literature, continuing education, and self-evaluations.

SOCI 340 Political Sociology (3 Credits)
This course is a study of the sources of power in a society, how power is exercised, the characteristics of those with power and those contesting power, the changes in who holds power, and the consequences for a society of the pattern of power.

SOCI 341 Law and Social Values (3 Credits)
This is a study of the origins of law and its relations to social values, the influences of law in human society, and the structure of the legal institutions.

SOCI 344 Social Change (3 Credits)
The various factors affecting social change are discussed, including ethnological developments and social movements. The extent to which social change produces social problems is analyzed and the unintended consequences of change efforts are noted. SOCI 345 Professorial Assistant Selected students receive an opportunity to gain firsthand knowledge of the research process through involvement in current faculty research.

SOCI 345 Professorial Assistant (3 Credits)
Selected students receive an opportunity to gain firsthand knowledge of the research process through involvement in current faculty research.
Pre-Requisite(s): SOCI 111 Principles of Sociology or permission of the chairperson

SOCI 346 Social Structure and Personality (3 Credits)
This course is a study of the interaction between the organization of society and the development of human personality, including examination of the processes by which human beings create their societies and in turn are molded and constrained by these societies.

SOCI 351 Sociology of Law (3 Credits)
This course introduces law and society as seen in their intimate interaction, the relation of law to social structure, social change and conflict resolution. It examines the socio-psychological aspects of judicial behavior and the legal system (lawyers, courts, police, corrections) in our society It emphasizes the law as a vehicle of social engineering, a means of social communication and an essential tool in the implementation of social values.

SOCI 360 Sociological Research Methods (3 Credits)
Major types of research design and techniques are studied: interviewing, questionnaires, experiment, social survey, and participant observation. Methods of data processing and analysis are also examined. The course emphasizes the critical reading and understanding of research studies. Pre-requisite: SOCI 111 Principles of Sociology.
Pre-Requisite(s): SOCI 111 Principles of Sociology

SOCI 364 Protecting and Strengthening Families in Social Work Practice (3 Credits)
This course focuses on skills and knowledge that help protect and strengthen families in society. The course is focused around three themes: (1) The history, mission, and scope of child welfare policies, services, and practice, including the underlying philosophy, values, and culture; (2) Assessment of neglect, physical abuse, sexual abuse, and emotional abuse, family strengths, and challenges to well-being; (3) Case planning, intervention, and evaluation when working with families, including interviewing skills and integrating the use of professional authority to promote safety and well-being.
Pre-Requisite(s): SOCI 111

SOCI 420 Social Research Laboratory (3 Credits)
Students gain direct experience in research techniques by participating in a professionally designed research project. They perform research tasks on a given project, such as sample selection, questionnaire construction, interviewing, coding and data, computer processing, literature search and analysis of results.
Pre-Requisite(s): SOCI 360 Sociological Research Methods

SOCI 421 Development of Sociological Theory (3 Credits)
This course focuses on the radical social ideas of Rousseau, Comte, Marx, Smith, and others which has influenced modern social sciences, in general and sociology in particular. The course also stresses the social scientific methods developed by Durkheim, Pareto, Weber, and others to analyze contemporary and future societies.
Pre-Requisite(s): SOCI 111 Principles of Sociology and SOCI 113

SOCI 440 Independent Study in Sociology (3 Credits)
Independent study is offered to advanced students who have demonstrated the ability and interest to do creative, original research. The coursework is carried out under faculty supervision.
Pre-Requisite(s): Permission of the chairperson

SOCI 442 Basic Statistics for Sociology (3 Credits)
This is an introduction to the elementary statistical procedures used in social science research. Instruction in using computers to assist in statistical calculations may be included.

SOCI 443 Sociology Internship and Applications (3 Credits)
Students participate in a field experience with area agencies and organizations, which address socio-economic issues and needs. Student interests are considered in determining appropriate placements which may include informal self-help and community groups, public and private human service agencies, mental health, recreation, courts, correctional, planning, educational and health organizations. The student must work 100 hours per semester. The course offers optional simulations to develop skills and earn credit.
Pre-Requisite(s): SOCI 111 Principles of Sociology and SOCI 233 Introduction to Social Work

SOCI 450 Seminar: Domestic Violence (3 Credits)
Seminars are reserved for upper level and special students. Students have the opportunity to explore a topic of interest in-depth for research, oral presentation or externship.

Social Work (SWK)

SWK 302 Diversity, Engagement, Inclusion, & Social Justice (3 Credits)
Through a social work practice lens, this course will examine how experiences based upon diversity and differences shape individuals, families, communities, and society across in social, economic, and environmental areas. Students will explore the contours of differences and the dynamics of diversity, privilege, and oppression. A major focus of the course will include self-analysis of experiences and values related to diversity and difference. Another area of emphasis will be on developing skills of engagement and critical contextual thinking and analyses to prepare for work with individual clients. Students will also examine various theoretical perspectives that inform systematic oppression and provide a culturally grounded approach of distributive justice.
Prerequisites: SOCI 111 and SOCI 233

SWK 304 Policy & Advocacy: National, Global, & Technological Context (Policy & Advocacy) (3 Credits)
This course examines how social workers practice within complex and interconnecting systems of policy, programs and communities that directly and indirectly impact their clients' lives. This course discusses various social issues and policies in local, state, and national settings as well as the relationship to the global and technological context. Students will engage in analyses of research findings in various policy areas, as well as learn how to critically analyze and advocate for social policy beyond the national perspective.
Prerequisites: SOCI 111 and SOCI 233

SWK 306 Human Behavior in the Social Environment: Individuals & Families (3 Credits)
In this course, students will learn that human behavior in the social environment focuses on theories that are essential to inform direct practice with clients. Life span development from conception to very old age is examined. The course focuses on theories and knowledge related to biological, sociological, psychological, spiritual and cultural processes and development across the life span. The course addresses environmental conditions that support or inhibit individual and family growth; and variations arising from ethnicity, class, cohort, gender, race, sexual orientation, religion, and other differences. Particular attention is given to factors that contribute to persons being at risk and the issues and concerns of multi-cultural, urban populations.
Prerequisites: SOCI 111 and SOCI 233

SWK 311 Social Work Foundation & Ethics Social Work Foundation & Ethics (3 Credits)
This course focuses on the social work educational competencies and ethical social work practice. Students will develop a beginning understanding of the Council on Social Work Education social work competencies, the integration of the competencies, and relationship to professional practice. Students will also work with the National Association of Social Workers Code of Ethics to develop their understanding of social work ethics and evaluate their applicability to various social work contexts. Students will learn how the Code of Ethics has been developed and the process of making changes to the Ethical Standards that reflect changes in society. Students will learn ethical models to guide their analysis of various ethical scenarios. This course will also be key in grounding students to enter professional practice during the final year in the social work program.

SWK 406 Seminar and Skills Labs I (2 Credits)
Seminar and Skills Lab I is the first part of a two semester sequence designed to support field practicum learning experiences. The course provides students with opportunities to examine the application of generalist social work concepts to practice situations using their respective field practicums experiences. Seminar discussions will include integration of concepts from human behavior, social work practice, social welfare policy, diversity, research, and ethics as they relate to their social work practice setting. Students will also have opportunities to practice engagement and assessment skills.
Prerequisites: SWK 302, 304, 311, 306, 360
Co-requisites: SWK 410 and 416.

SWK 407 Capstone Seminar & Skills Lab II (2 Credits)
Capstone Seminar & Skills Lab II is the second part of a two semester sequence designed to support field practicum learning experiences. The course provides students with opportunities to examine the application of generalist social work concepts to practice situations using their respective field practicums experiences. Students will complete a capstone assignment at the end of the semester. The capstone assignment requires students to examine their work with clients by applying all of the Council on Social Work Education competencies learned throughout the Bachelor in Social Work curriculum.
Prerequisites: SWK 302, 304, 311, 306, 410, 406,416, SOCI 360
Co-Requisites: SWK 411 and 417.

SWK 410 Generalist Social Work Practice I: Engagement, Assessment, & Planning Across Levels of Practice (3 Credits)
This is the first course in a two-course sequence focused on social work practice. Participation in this course will provide students with theory and knowledge related to general social work practice. Emphasis will be on engagement, assessment, and planning with individuals, families, groups, organizations, and communities. Students will understand how knowledge, skills, values, critical thinking, and reflection facilitate effective engagement and assessment with clients. Students will learn about the strengths-based perspective, motivational interviewing, and how to use various assessment tools to formulate interventions for clients. Students will also consider multi-cultural and environmental influences in engagement and assessment.
Prerequisites: SWK 302, 304, 311, 306, SOCI 360
Co-requisites: SWK 406 and 416.

SWK 411 Generalist Social Work Practice II: Intervention & Evaluation Across Levels of Practice (3 Credits)
This is the second course in a two-course sequence. Participation in this course will provide students with theory and knowledge related to general social work practice. Emphasis will be on intervention and evaluation with individuals, families, groups, organizations, and communities. Students will understand how knowledge, skills, values, critical thinking, and reflection facilitate effective intervention and evaluation with clients. Students will also consider multi-cultural and environmental influences in intervention and evaluation.
Prerequisites: SWK 302, 304, 311, 306, 406, 410, 416, SOCI 360
Co-requisites: SWK 407, 417.

SWK 416 Social Work Field Practicum Part I (4 Credits)
The social work field practicum is the signature pedagogy of social work education. This is the first part of a mandatory two semester internship that takes place in one setting across both semesters. The internship is 225 hours per semester. The field practicum in total, across both semesters, is 450 hours. Field practicums are the signature pedagogy of social work education. Students apply their knowledge, skills, values, and cognitive/affective processes gained through their coursework in their practicum setting. Under the supervision of a qualified social work supervisor, students will concentrate on direct practice work with individuals, families, groups, organizations, and/or communities. The Social Work Field Practicum I is supported by the Seminar & Skills Lab I.
Co-requisites: SWK 410, 406.

SWK 417 Social Work Field Practicum II (4 Credits)
The social work field practicum is the signature pedagogy of social work education. This is the second part of a mandatory two semester internship that takes place in one setting across both semesters. The internship is 225 hours per semester. The field practicum in total, across both semesters, is 450 hours. Field practicums are the signature pedagogy of social work education. Students apply their knowledge, skills, values, and cognitive/affective processes gained through their coursework in their practicum setting. Under the supervision of a qualified social work supervisor, students will concentrate on direct practice work with individuals, families, groups, organizations, and/or communities. The Social Work Field Practicum II is supported by the Seminar & Capstone Skills Lab II.
Prerequisites: SWK 302, 304, 311, 306, 406, 410, 416, SOCI 360
Co-requisites: SWK 411, 407.

Social Work, B.S.W.

The Bachelor of Social Work (BSW) program provides students the knowledge and skills to succeed in the social work field. The BSW program will prepare students for generalist social work practice with individuals, families, groups, organizations, and communities. The BSW program emphasizes social justice for underserved and/or vulnerable populations. Students who obtain the BSW degree may apply for a Certification in Social Work with the State of New Jersey. Students may also continue to graduate school for a Master of Social Work as advanced standing students.

There is a separate admission process for the BSW major at NJCU once admitted to NJCU general admissions. Students are encouraged to contact the BSW Program Director to apply to the BSW Program. The application process requires review of the following: 1) a pre-NJCU grade point average of 2.5 (either high school or college); 2) resume; and 3) essay explaining the applicant's motivations to major in social work and acknowledgement of the rigorous internship requirement.

Program Curriculum

The BSW curricula is accredited and guided by the educational standards set forth by the Council on Social Work Education (CSWE) and is designed to promote learning from specific competency areas to achievement of holistic competency. Students will begin their coursework guided by the General Education program. Students will have pre-requisite coursework in sociology. By sophomore or junior years, students will take the Foundations of Social Work class is designed to anchor students in social work and facilitate professional development. The BSW curricula can be taken as a part-time or full-time student. Students initially complete 300-level sequence of social work courses that are organized to provide foundation professional practice, theory, policy, research, and assessment knowledge, values, and encourage critical thinking and self-reflection to prepare for 400-level coursework where students will participate in a rigorous internship and have supportive practice and seminar courses. Core curricula and the BSW program requirements will not exceed 120 credits. The BSW program requirements total 48 credits. The core curricula and BSW curricula will be described below.

Minimum CGPA Grade Requirement: 3.0 in major courses

Code	Title	Credits
Core Requirements		**39**
SWK 302	Diversity, Engagement, Inclusion, & Social Justice	3
SWK 304	Policy & Advocacy: National, Global, & Technological Context (Policy & Advocacy)	3
SWK 306	Human Behavior in the Social Environment: Individuals & Families	3
SWK 307	Human Behavior in the Social Environment II – Groups, Organizations, & Communities	3
SWK 311	Social Work Foundation & Ethics Social Work Foundation & Ethics	3
SOCI 360	Sociological Research Methods	3
SOCI 344	Social Change	3
SWK 406	Seminar and Skills Labs I	2
SWK 407	Capstone Seminar & Skills Lab II	2
SWK 410	Generalist Social Work Practice I: Engagement, Assessment, & Planning Across Levels of Practice	3
SWK 411	Generalist Social Work Practice II: Intervention & Evaluation Across Levels of Practice	3

SWK 416	Social Work Field Practicum Part I	4
SWK 417	Social Work Field Practicum II	4
Electives (Select 9 credits from the following:)		**9**
SOCI 201	Women and Family in Different Cultures	3
SOCI 221	Human Services in Aging	3
SOCI 225	Class, Status and Power	3
SOCI 230	Cities of Industry: Sociological Perspectives	3
SOCI 232	Sociology of the Aging	3
SOCI 237	Refugees and Forced Migration	3
SOCI 243	Death and Dying	3
SOCI 245	Sociology of Religion	3
SOCI 246	Sociology of Education	3
SOCI 253	Visual Sociology	3
SOCI 254	Urban Sociology	3
SOCI 255	Juvenile Delinquency	3
SOCI 262	Health, Illness & Society	3
SOCI 265	Racial & Cultural Minorities	3
SOCI 268	Urban Anthropology	3
SOCI 309	Riots, Rebellions, Revolutions: Civil Conflict and Violence	3
SOCI 310	Basic Interviewing Skills	3
SOCI 314	Treatment Plans in Substance Abuse	3
SOCI 330	Sociology of Sports	3
SOCI 335	Case Management of Alcohol and Drug Abuse Clients	3
SOCI 336	Professional and Ethical Responsibilities in Substance Abuse Treatment	3
SOCI 341	Law and Social Values	3
SOCI 346	Social Structure and Personality	3
SOCI 351	Sociology of Law	3
WGST 226	LGBTQ Social Change	3
WGST 322	Reproductive Justice	3
Total		**48**

[1] Social work capstones and field practicum courses must be taken concurrently pursuant to the Council on Social Work Education. You must take SWK 406 and SWK 416 (fall), and SWK 407 and SWK 417 (spring) together.

Description of Field Practicum

The Field Practicum experience is the signature pedagogy of social work education and is guided by the educational standards of the Council of Social Work Education (CSWE). The BSW field practicum helps prepare students for generalist practice employment positions (e.g., case management), with individuals, families, groups, organizations, and communities. Students will gain various engagement, assessment, planning, intervention, and evaluation skills through the field practicum experience.

SWK 416 and SWK 417 are sequential courses that provide students credit for engaging in their field practicum. Students are required to complete 450 hours in one practicum setting (i.e., 225 hours each semester, fall and spring) in the final year of the program. This averages to be about 15 hours per week across the 15-week semester. Students will reserve two days per week to complete the field practicum. Students receive supervision and report to their site supervisor at the internship location and have the support of their field liaison from the University. Time sheets, process recordings, and the field evaluation document student progress and are used to determined finals grades.

The Director of Field Education is responsible for all student field placements and any decision to remove or change a student placement. Students are placed in one field practicum setting to ensure that there is a full year to implement knowledge, skills, values, critical thinking, and reflection in practice. The field setting is a critical experience for determining student growth in the program. Additional details related to the field practicum can be found in the NJCU BSW Field Education Manual.

Students should consult with the Director of Bachelor of Social Work (BSW) Program as a freshman for scheduling guidance to secure a spot in the social work program, about double-majoring or minoring in sociology, and various options to maximize your coursework. Transfer students with an associate's degree are able to complete their BSW degree in two years by transferring no later than mid-year of their junior year and utilizing summer offerings. Degree completion is possible online and can be discussed with the BSW program director. Please reach out to Dr. Jennifer A. Pax, NJCU BSW Program Director at jpax@njcu.edu to express your interest in the BSW program and learn more.

Freshman		
Semester 1		**Credits**
SOCI 111	Principles of Sociology (pre-req for major)	3
	Credits	**3**
Semester 2		
SOCI 233	Introduction to Social Work (pre-req for major)	3
	Credits	**3**
Sophomore		
Semester 1		
Sociology Elective (200 level or higher)		3
SOCI 344	Social Change	3
	Credits	**6**
Semester 2		
SOCI 360	Sociological Research Methods	3
Sociology Elective (200 level or higher)		3
	Credits	**6**
Junior		
Semester 1		
Sociology Elective (200 level or higher)		3
SWK 304	Policy & Advocacy: National, Global, & Technological Context (Policy & Advocacy)	3
SWK 306	Human Behavior in the Social Environment: Individuals & Families	3
	Credits	**9**
Semester 2		
SWK 307	Human Behavior in the Social Environment II – Groups, Organizations, & Communities	3
SWK 302	Diversity, Engagement, Inclusion, & Social Justice	3

SWK 311	Social Work Foundation & Ethics Social Work Foundation & Ethics	3
	Credits	**9**
Senior		
Semester 1		
SWK 406	Seminar and Skills Labs I	2
SWK 410	Generalist Social Work Practice I: Engagement, Assessment, & Planning Across Levels of Practice	3
SWK 416	Social Work Field Practicum Part I	4
	Credits	**9**
Semester 2		
SWK 407	Capstone Seminar & Skills Lab II	2
SWK 411	Generalist Social Work Practice II: Intervention & Evaluation Across Levels of Practice	3
SWK 417	Social Work Field Practicum II	4
	Credits	**9**
	Total Credits	**54**

[1] Social work capstones and field practicum courses must be taken concurrently pursuant to the Council on Social Work Education. You must take SWK 406 and SWK 416 (fall), and SWK 407 and SWK 417 (spring) together.

Student Learning Outcomes

Upon completion of the Social Work program, students will be able to:

1. Describe and critically evaluate the major theoretical approaches of the discipline.
2. Describe and critically evaluate the main paradigms guiding social work inquiry.
3. Demonstrate quantitative literacy skills and understanding of empirical research.
4. Demonstrate writing skills through a comprehensive research project or critique of a social work research article.

In addition to the learning outcomes above, the Council on Social Work Education (CSWE) identifies the following competencies and behaviors for social work students:

1. Engage in ethical and professional practice

a. Make ethical decisions by applying the standards of the NASW Code of Ethics, relevant laws and regulations, models for ethical decision-making, ethical conduct of research, and additional codes of ethics as appropriate to context.

b. Use reflection and self-regulation to manage personal values and maintain professionalism in practice situations.

c. Demonstrate professional demeanor in behavior; appearance; and oral, written, and electronic communication.

d. Use technology ethically and appropriately to facilitate practice outcomes.

e. Use supervision and consultation to guide professional judgment and behavior.

2. Engage in diversity and difference in practice

a. Apply and communicate understanding of the importance of diversity and difference in shaping life experiences in practice at the micro, mezzo, and macro levels.

b. Present themselves as learners and engage clients and constituencies as experts of their own experiences.

c. Apply self-awareness and self-regulation.

3. Advance human rights, social, and economic justice

a. Apply their understanding of social, economic, and environmental justice to advocate for human rights at the individual and system levels; and

b. Engage in practices that advance social, economic, and environmental justice.

4. Engage in practice informed research and research informed practice

a. Use practice experience and theory to inform scientific inquiry and research.

b. Apply critical thinking to engage in analysis of quantitative and qualitative research methods and research findings.

c. Use and translate research evidence to inform and improve practice, policy, and service delivery.

5. Engage in policy practice.

a. Identify social policy at the local, state, and federal level that impacts well-being, service delivery, and access to social services.

b. Assess how social welfare and economic policies impact the delivery of and access to social services.

c. Apply critical thinking to analyze, formulate, and advocate for policies that advance human rights and social, economic, and environmental justice.

6. Engage with individuals, families, groups, organizations, and communities

a. Apply knowledge of human behavior and the social environment, person-in-environment, and other multidisciplinary theoretical frameworks to engage with clients and constituencies.

b. Use empathy, reflection, and interpersonal skills to effectively engage diverse clients and constituencies.

7. Assess with individuals, families, groups, organizations, and communities

a. Collect and organize data, and apply critical thinking to interpret information from clients and constituencies.

b. Apply knowledge of human behavior and the social environment,

person-in-environment, and other multidisciplinary theoretical frameworks in the analysis of assessment data from clients and constituencies.

c. Develop mutually agreed-on intervention goals and objectives based on the critical assessment of strengths, needs, and challenges within clients and constituencies.

d. Select appropriate intervention strategies based on the assessment, research knowledge, and values and preferences of clients and constituencies.

8. Intervene with individuals, families, groups, organizations, and communities

a. Critically choose and implement interventions to achieve practice goals and enhance capacities of clients and constituencies.

b. Apply knowledge of human behavior and the social environment, person-in-environment, and other multidisciplinary theoretical frameworks in interventions with clients and constituencies.

c. Use inter-professional collaboration as appropriate to achieve beneficial practice outcomes.

d. Negotiate, mediate, and advocate with and on behalf of diverse clients and constituencies.

e. Facilitate effective transitions and endings that advance mutually agreed-on goals.

9. Evaluate with individuals, families, groups, organizations, and communities

a. Select and use appropriate methods for evaluation of outcomes.

b. Apply knowledge of human behavior and the social environment, person-in-environment, and other multidisciplinary theoretical frameworks in the evaluation of outcomes.

c. Critically analyze, monitor, and evaluate intervention and program processes and outcomes.

d. Apply evaluation findings to improve practice effectiveness at the micro, mezzo, and macro levels.

Sociology, B.A.

Completion of this major prepares one for a career as a teacher, market researcher, survey statistician, mental health aide, probation officer, or caseworker. Continued study may include a master's and doctorate in sociology, social work, or law.

Minimum CGPA Requirement: 2.0 in Major Courses

Code	Title	Credits
Core Requirements:		**21**
SOCI 111	Principles of Sociology	3
SOCI 113	Social Problems	3
SOCI 233	Introduction to Social Work	3
SOCI 360	Sociological Research Methods	3
SOCI 421	Development of Sociological Theory	3
SOCI 442	Basic Statistics for Sociology	3
SOCI 443	Sociology Internship and Applications	3
or SOCI 225	Class, Status and Power	
Required Anthropology Restricted Elective (Select one of the following courses):		**3**
SOCI 115	Introduction to Anthropology	3
SOCI 141	Cultural Anthropology	3
SOCI 268	Urban Anthropology	3
Electives (Select at least 6 course from the following courses):		**18**
SOCI 112	Analysis of Social Institutions	3
SOCI 120	Introduction to Aging Studies	3
SOCI 121	Sociology of Families	3
SOCI 143	African-American Families: Past and Present	3
SOCI 201	Women and Family in Different Cultures	3
SOCI 221	Human Services in Aging	3
SOCI 230	Cities of Industry: Sociological Perspectives	3
SOCI 232	Sociology of the Aging	3
SOCI 235	Labor and Society	3
SOCI 237	Refugees and Forced Migration	3
SOCI 243	Death and Dying	3
SOCI 244	Ethnic Families in America	3
SOCI 245	Sociology of Religion	3
SOCI 246	Sociology of Education	3
SOCI 253	Visual Sociology	3
SOCI 254	Urban Sociology	3
SOCI 255	Juvenile Delinquency	3
SOCI 262	Health, Illness & Society	3
SOCI 265	Racial & Cultural Minorities	3
SOCI 272	Field Experience in Social Practice	3
SOCI 309	Riots, Rebellions, Revolutions: Civil Conflict and Violence	3
SOCI 310	Basic Interviewing Skills	3
SOCI 314	Treatment Plans in Substance Abuse	3
SOCI 330	Sociology of Sports	3
SOCI 335	Case Management of Alcohol and Drug Abuse Clients	3
SOCI 336	Professional and Ethical Responsibilities in Substance Abuse Treatment	3
SOCI 341	Law and Social Values	3
SOCI 344	Social Change	3
SOCI 346	Social Structure and Personality	3
SOCI 351	Sociology of Law	3
WGST 226	LGBTQ Social Change	3
WGST 322	Reproductive Justice	3
Total Credits:		**42**

Freshman		
Semester 1		**Credits**
SOCI 111	Principles of Sociology	3
	Credits	**3**
Semester 2		
SOCI 113	Social Problems	3
	Credits	**3**
Sophomore		
Semester 1		
SOCI 233	Introduction to Social Work	3

Sociology Elective		3
Sociology Elective		3
	Credits	**9**
Semester 2		
SOCI 360	Sociological Research Methods	3
Sociology Elective		3
	Credits	**6**
Junior		
Semester 1		
SOCI 115 or SOCI 141 or SOCI 268	Introduction to Anthropology or Cultural Anthropology or Urban Anthropology	3
Sociology Elective		3
Sociology Elective		3
	Credits	**9**
Semester 2		
SOCI 421	Development of Sociological Theory	3
Sociology Elective		3
	Credits	**6**
Senior		
Semester 1		
SOCI 442 or PSYC 230 or MATH 140	Basic Statistics for Sociology or Statistics for Social Sciences or Statistics I	3
	Credits	**3**
Semester 2		
SOCI 443 or SOCI 225	Sociology Internship and Applications or Class, Status and Power	3
	Credits	**3**
	Total Credits	**42**

Student Learning Outcomes

1. Demonstrate an understanding of sociological concepts and theories
2. Demonstrate an understanding of the role of research methods in sociology
3. Demonstrate an understanding of intercultural knowledge and human diversity of social experience
4. Demonstrate critical thinking skills in assessing social issues
5. Locate, create and communicate sociological information
6. Think sociologically about the communities in which they live and work
7. Prepare for graduate school and the job market

Sociology, Minor

A sociology minor is an excellent supplement to any degree program. It is, however, particularly relevant for students interested in people-focused careers. Majors in psychology, business, health sciences, nursing, professional security or education may find a deeper understanding of human social lives beneficial to their educational pursuits and careers. Students interested in pursuing a Minor in Sociology should consult with Dr. Max Herman at mherman2@njcu.edu or 201-200-2280 for advisement.

Code	Title	Credits
Required Courses:		**15**
SOCI 111	Principles of Sociology	3
SOCI 113	Social Problems	3
SOCI 360	Sociological Research Methods	3
SOCI 421	Development of Sociological Theory	3
Anthropology Course: Take One		**3**
SOCI 115	Introduction to Anthropology	3
SOCI 141	Cultural Anthropology	3
SOCI 268	Urban Anthropology	3
Electives: Take 3 Courses [1]		**9**
		9
SOCI 112	Analysis of Social Institutions	3
SOCI 120	Introduction to Aging Studies	3
SOCI 121	Sociology of Families	3
SOCI 143	African-American Families: Past and Present	3
SOCI 201	Women and Family in Different Cultures	3
SOCI 221	Human Services in Aging	3
SOCI 230	Cities of Industry: Sociological Perspectives	3
SOCI 232	Sociology of the Aging	3
SOCI 235	Labor and Society	3
SOCI 237	Refugees and Forced Migration	3
SOCI 243	Death and Dying	3
SOCI 244	Ethnic Families in America	3
SOCI 245	Sociology of Religion	3
SOCI 246	Sociology of Education	3
SOCI 253	Visual Sociology	3
SOCI 254	Urban Sociology	3
SOCI 255	Juvenile Delinquency	3
SOCI 262	Health, Illness & Society	3
SOCI 265	Racial & Cultural Minorities	3
SOCI 272	Field Experience in Social Practice	3
SOCI 309	Riots, Rebellions, Revolutions: Civil Conflict and Violence	3
SOCI 310	Basic Interviewing Skills	3
SOCI 314	Treatment Plans in Substance Abuse	3
SOCI 330	Sociology of Sports	3
SOCI 335	Case Management of Alcohol and Drug Abuse Clients	3
SOCI 336	Professional and Ethical Responsibilities in Substance Abuse Treatment	3
SOCI 341	Law and Social Values	3
SOCI 344	Social Change	3
SOCI 346	Social Structure and Personality	3
SOCI 351	Sociology of Law	3
WGST 226	LGBTQ Social Change	3
WGST 322	Reproductive Justice	3
Total Credits:		**24**

[1] With the guidance of a faculty advisor

World Languages and Cultures

Karnoutsos Hall, Room 202
201-200-3176

The World Languages and Cultures Department (https://www.njcu.edu/academics/schools-colleges/william-j-maxwell-college-arts-sciences/departments/modern-languages) enhances the liberal arts education of our students and prepares them for success in today's global society. In addition to NJCU's diverse and urban setting, which is an ideal environment for studying world languages and cultures, our faculty members are student-focused and committed to educating the next generation of teachers and multilingual speakers.

We offer one major, three minors, general education courses, and instruction in seven languages, which all NJCU students can take as general electives. Many of our graduates go on to become language educators, but the possibilities for those with expertise in other languages and cultures are numerous: most corporations, government agencies, educational institutions, hospitals, and nonprofits are eager to hire multilingual talent. For the same reason, a minor in other languages and cultures is an excellent supplement to the education of all majors and it gives a crucial competitive advantage to any professional on the job market.

Cora Lagos, Chairperson (clagos@njcu.edu)
Assistant Professor of Modern Languages
Universidad de Filosofia y Letras de Buenos Aires, B.A.; University of Maryland, M.A.; University of Michigan, Ph.D.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Spanish, B.A. (p. 188)
- Spanish—Teacher Certification, B.A. (p. 190)
- Spanish, Minor (p. 190)

Modern Language (LANG)

LANG 1XX Modern Language Transfer Credit (0 Credits)

LANG 2XX Modern Language Transfer Credit (0 Credits)

LANG 103 Elementary Spanish I (3 Credits)
This course provides the essentials of basic communication in Spanish, with primary emphasis on oral communication (speaking and understanding oral speech). It is recommended for students with little or no previous knowledge of Spanish. Students who have completed two or more years of high school Spanish or are native speakers may not register for this course.

LANG 104 Elementary Spanish II (3 Credits)
This course is a continuation of LANG 103 Elementary Spanish I.
Pre-Requisite(s): LANG 103 Elementary Spanish I

LANG 105 Elementary French I (3 Credits)
This course teaches the essentials of basic communication in French, with a primary emphasis on oral communication (speaking and understanding oral speech). It is recommended for students with little or no previous knowledge of French. Students who have completed two or more years of High School French, or who are native speakers may not register for this course.

LANG 106 Elementary French II (3 Credits)
This course is a continuation of LANG 105. Elementary French I.
Pre-Requisite(s): LANG 105 Elementary French I

LANG 107 Elementary Italian I (3 Credits)
This course provides the essentials of basic communication in Italian, with a primary emphasis on oral communication (speaking and understanding oral speech) and is recommended for students with little or no previous knowledge of Italian.

LANG 108 Elementary Italian II (3 Credits)
This course is a continuation of LANG 107 Elementary Italian I.
Pre-Requisite(s): LANG 107 Elementary Italian I

LANG 116 Elementary Portuguese I (3 Credits)
This course provides students with a foundation in listening, speaking, reading, and writing in Portuguese. It utilizes authentic materials such as music, videos, internet resources and readings. The course incorporates many cultural aspects of Brazilian culture and other speaking community where Portuguese is spoken such as USA, Portugal, Africa and Asia.

LANG 117 Elementary Japanese I (3 Credits)
This course is intended for those students whose objective is a working knowledge of spoken Japanese in everyday life. While stressing the development of verbal fluency, the course will also provide students with the opportunity to master the native Japanese "alphabets" of Hiragana and Katakana and will introduce Kanji, the Chinese characters that are an essential part of written Japanese.

LANG 118 Elementary Japanese II (3 Credits)
This course is a continuation of LANG 117 Elementary Japanese I, and is intended for those students whose objective is a working knowledge of spoken Japanese in everyday life. As with Japanese I, the stress will be on the development of verbal fluency. The course will also provide students with the opportunity to further develop their reading and writing skills.
Pre-Requisite(s): LANG 117 Elementary Japanese I

LANG 119 Elementary German I (3 Credits)
This course teaches the essentials of basic communication in German, with a primary emphasis on oral communication (speaking and understanding oral speech). It is recommended for students with little or no previous knowledge of German.

LANG 120 Elementary German II (3 Credits)
This course is a continuation of Lang 119, Elementary German I.
Pre-Requisite(s): LANG 119 Elem German I

LANG 123 Elementary Russian I (3 Credits)
This course teaches the essentials of basic communication in Russian, with a primary emphasis on oral communication (speaking, and understanding oral speech). Emphasis is placed on mastering the Russian alphabet, recognition (reading) of printed letters and learning to write in cursive style. There is also extensive classroom discussion of Russian customs and cultural attitudes. The course is recommended for students with a little or no previous knowledge of Russian.

LANG 124 Elementary Russian II (3 Credits)
This course is a continuation of LANG 123 Elementary Russian I and is recommended for students who have already mastered the Russian alphabet and have knowledge of basic Russian grammar. Pre-requisite: LANG 123 Elementary Russian I .
Pre-Requisite(s): LANG 123 Elementary Russian I

LANG 130 Spanish for Health Professionals (3 Credits)
This course is intended primarily for students planning to enter the health care professions and whose objective is a working knowledge of Spanish. Development of oral skills is fostered through classroom recreations of real life scenarios. Cultural dimensions are also discussed.
Pre-Requisite(s): LANG 103 or LANG 104

LANG 131 Elementary Arabic I (3 Credits)
This course teaches the essentials of basic communication in Arabic. Emphasis will be on oral communication speaking. The course is appropriate for students with no previous knowledge of Arabic.

LANG 132 Elementary Arabic II (3 Credits)
This course is a continuation of LANG 131 Elementary Arabic I.
Pre-Requisite(s): LANG 131

LANG 133 Spanish for Health Care Professionals II (3 Credits)
This course is a continuation of LANG 130 Spanish for Health Care Professionals. It is intended for students planning to enter the health care professions and whose objective is a working knowledge of Spanish. Development of oral skills is fostered through classroom recreation of real-life scenarios. Cultural dimensions are also discussed.
Prerequisite(s): LANG 130

LANG 134 Spanish I for Business (3 Credits)
This course provides students with a foundation in listening, speaking, reading, and writing in Spanish for Business students. It utilizes authentic materials such as videos, internet resources and readings to promote learning by doing. The course incorporates many cultural aspects of Spanish speaking countries in the world. This online course will seek to enhance student's languages skills in the target language by providing basic and simple real life Business task situations. Also, students will learn technical vocabulary and idiomatic expressions used in Business situations.

LANG 137 Spanish I for Law Enforcement (3 Credits)
This course provides students with a foundation in listening, speaking, reading, and writing in Spanish for Law Enforcement students. It utilizes authentic materials such as videos, internet resources and readings to promote learning by doing. This online course will seek to enhance student's languages skills in the target language by providing basic and simple real-life Law Enforcement task situations. Also, students will learn technical vocabulary and idiomatic expressions related to arrests, traffic stops, medical emergencies, and many other common law enforcement situations.

LANG 141 Elementary Chinese I (3 Credits)
This course is intended for the students whose objective is a working knowledge of standard Mandarin Chinese. While stressing the development of oral communication skills, the course will also acquaint students with Chinese characters, and provide the opportunity for discussion of Chinese customs and cultural attitudes. Recommended for students with little or no previous knowledge of Chinese. This course has no pre-requisites or co-requisites. Students who have completed two or more years of Chinese study, and those who are native speakers of Chinese may not enroll.

LANG 142 Elementary Chinese II (3 Credits)
Continuation of Elementary Chinese I (LANG 141). This course is intended for students whose objective is a working knowledge of standard Mandarin Chinese. While stressing the development of oral communication, the course will acquaint students with Chinese characters, and provide opportunities for discussion of Chinese customs and cultural attitudes. Recommended for students with little or no previous knowledge of Chinese.
Pre-Requisite(s): LANG 141 Elementary Chinese I

LANG 145 9/11 Before and After (3 Credits)
This course introduces the historical and political events leading to 9/11. The class will explore the conflict between Islam and the West since the start of European colonization in the XIX century and the increased tensions that lead fanatics to plan attacks on the West after the Arab Israeli War. We will explore the world repercussions to the 9/11 attacks by studying the aftermath of this tragedy from different points of view in the East and the West.

LANG 151 Elementary Swahili I (3 Credits)
This course provides students with a foundation in listening, speaking, reading, and writing in Swahili. It utilizes authentic materials as much as possible and incorporates Swahili customs and cultural attitudes throughout the course.

LANG 201 Intermediate French I (3 Credits)
This is a continued study of the French language. Speaking and reading practice are emphasized through communicative activities, selected readings, and classroom discussion.
Pre-Requisite(s): LANG 106 Elementary French II

LANG 202 Intermediate French II (3 Credits)
This course provides intensive practice in oral and written communication through readings, compositions and classroom discussion.
Pre-Requisite(s): LANG 201 Intermediate French I

LANG 203 Intermediate Spanish (3 Credits)
This is a continued study of the Spanish language. Transition into speaking and reading practice are emphasized through selected readings and class discussion.
Pre-Requisite(s): LANG 104 Elementary Spanish II

LANG 204 Intermediate Spanish for Communication (3 Credits)
This course provides intensive practice in oral and written communication through readings, compositions, and class discussion.
Pre-Requisite(s): LANG 203 Intermediate Spanish I

LANG 207 Intermediate Italian for Communication (3 Credits)
This course is a continued study of the Italian language. Speaking and reading practice are emphasized through communicative activities, selected readings, and classroom discussion.
Pre-requisite: LANG 108 Elementary Italian II OR Department Approval

LANG 208 Intermediate Italian for Communication (3 Credits)
This course provides intensive practice in oral and written communication through readings, compositions, and classroom discussion.
Pre-requisite: LANG 207 Intermediate Italian I or Department Approval

LANG 215 Spanish for Bilingual Speakers I (3 Credits)
Intermediate-level course designed for students who have a speaking knowledge of Spanish, but have had little or no formal preparation in the language. Emphasis on the study and application of Spanish grammar, vocabulary building, and the development of reading and writing skills.

LANG 216 Spanish for Bilingual Speakers II (3 Credits)
Intermediate level course designed for students who have a speaking knowledge of Spanish and have had some formal preparation in the language. Emphasis will be placed on the study and application of Spanish grammar, vocabulary building, and the development of reading and writing skills.
Pre-Requisite(s): LANG 215

LANG 217 Intermediate Japanese I (3 Credits)
Intended for students who have successfully completed two semesters of Elementary Japanese, this course resumes with vocabulary expansion and the application of rules of syntax on a more advanced level. The principal objective remains the development of oral skills that will enable students to communicate in Japanese at a functional level in real-life situations. This course will also promote awareness and appreciation of Japanese culture and society.
Pre-Requisite(s): LANG 118 Elementary Japanese II

LANG 230 Business Spanish (3 Credits)
This is an intensive study of business terminology in Spanish through applied exercises and practical business correspondence. Simulated conversations will be staged to provide active oral vocabulary practice.
Pre-Requisite(s): LANG 104 Elementary Spanish II or Department Approval

LANG 231 Literature of Puerto Rico (3 Credits)
Course offers a survey of Puerto Rican literature from its colonial beginnings to the contemporary period. Prose, poetry, and dramatic works are read and discussed.
Pre-Requisite(s): LANG 204 or Department Permission

LANG 240 Intermediate Japanese II (3 Credits)
This course develops oral communication, reading, and writing skills so that students can achieve Level 4 on both the Japanese Language Proficiency Test and the Japanese Standard Speaking Test, and continues to provide insights into Japanese culture. Students who reach this level should be suitable prepared for study abroad.
Pre-Requisite: LANG 217 Intermediate Japanese I

LANG 255 Violence and Resistance in Latin America (3 Credits)
This class is an exploration of subaltern literature and politics, its insurgency, and experiences of revolution in Latin America. It focuses on the historical role of women and workers from indigenous, African-American, and ethnically mixed backgrounds in their relations with elites and the state in a wide variety of regional settings.

LANG 270 Arabic for Arabic Speakers I (3 Credits)
This course provides students who have a speaking knowledge of Arabic with a foundation in reading and writing MSA (Modern Standard Arabic). It utilizes authentic materials and incorporates literature as well customs and cultural attitudes associated with the Arab world.

LANG 275 Islam Today (3 Credits)
This course introduces the core components of Islam: texts, beliefs, rituals, and law (Fiqh). Furthermore, this course will explore Islam in the middle ages and its civilization. It will also discuss the present relations between Islam and the West, especially the challenges faced by Muslims and how the West sees Islam. We will ask ourselves how to negotiate an identity that does not exclude anyone.

LANG 301 Advanced Spanish Grammar I (3 Credits)
Critical study of Spanish grammar and usage on an advanced level, with special emphasis on the needs of prospective teachers. The course focuses on application of grammatical principles through textbook exercises, writing assignments and oral presentations.
Pre-Requisite(s): LANG 204 Intermediate Spanish II or Department Approval

LANG 302 Advanced Spanish Grammar II (3 Credits)
Further work in special problem areas of Spanish grammar and usage, with emphasis on the needs of future teachers. Application of grammatical principles in the form of textbook exercises, written assignments and oral presentations.
Pre-Requisite(s): LANG 301 Advanced Spanish Grammar I OR Department Approval

LANG 304 The Art Of Writing In Spanish (3 Credits)
This course offers writing practice in Spanish at an advanced level. It focuses on important structural elements of the written language and varieties of style in a workshop environment where students can share and discuss their work.
Pre-Requisite(s): LANG 204 Intermediate Spanish II or any 300 level course or Department Approval

LANG 306 Past and Present of Latin America (3 Credits)
This course studies the evolution of Spanish American countries from the origins of its indigenous civilizations to the present, with attention paid to historical, ethnic, political, economic and artistic aspects. Lectures, readings, and reports in Spanish are emphasized.
Pre-Requisite(s): LANG 204 Intermediate Spanish II or any 300 Level course.

LANG 307 Authors And Readings From Spain (3 Credits)
This course introduces the literature of Spain through a study of representative authors and works from the Middle Ages to the present.
Pre-Requisite(s): LANG 204 Intermediate Spanish II or any 300 level course.

LANG 308 Voices And Texts Of Latin America (3 Credits)
This course introduces the literature of Spanish America through representative authors and works form the Discovery to the present. Lectures, readings, discussions and reports in Spanish are utilized.
Pre-Requisite(s): LANG 204 Intermediate Spanish II or any 300 level course.

LANG 309 US Latinx Culture (3 Credits)
This course studies the manifestations of Hispanic culture as transported and adapted to the culture of the United States. Spanish and Spanish American contributions in the areas of art, language, literature, music, theater, film, television, and the press are highlighted.
Pre-Requisite(s): LANG 304, LANG 306, or LANG 308

LANG 310 Communicative Spanish Grammar (3 Credits)
This is an intensive course for prospective teachers of Spanish, stressing the areas of differences between the two languages and how these should be presented to students.
Pre-Requisite(s): LANG 304, LANG 306, or LANG 308

LANG 311 Spanish-English Comparative Grammar II (3 Credits)
Continuation of Lang 310. Comparative study of Spanish grammar and usage on an advanced level, stressing the areas of difference between Spanish and English, with a focus on the needs of prospective teachers. Application of grammatical principles through textbook activities that include written and spoken translation exercises.
Pre-requisite: LANG 310 Spanish-English Comparative Grammar I OR Department Approval

LANG 312 Contemporary French Culture (3 Credits)
This course offers a study of the institutions and culture of modern France, through periodicals, essays, films and literature. Lectures, readings, discussions, and reports are in French.
Pre-Requisite(s): LANG 202 Intermediate French II

LANG 314 Spanish Writing For The Professions (3 Credits)
Course designed to improve written expression in Spanish through the study of Hispanic literature and culture, this course will use a variety of media (film, television, music, art, and text) as points of departure for the development of writing and critical thinking skills.
Pre-requisite: LANG 304 Advanced Spanish Composition I

LANG 322 French Conversation (3 Credits)
This course provides intensive practice in conversation on an advanced level on selected and varied topics.
Pre-Requisite(s): LANG 202 Intermediate French II

LANG 330 Reading the Past and Present of Mexico's Violence and Resistance (3 Credits)
This course aims to develop an understanding of Mexico's history of violence and resistance within the context of social tensions, cultural and political shifts, and questions of gender and ethnicity. We will examine primary and secondary texts from different periods as well as films, performances, and visual sources, such as paintings, photographs, engravings, and murals.
Pre-Requisite(s): LANG 306

LANG 331 Past and Present of Indigenous Struggles for Alternative Ways of Learning and Living. (3 Credits)
This course aims to develop an understanding of Mexico's history of violence and resistance within the context of social tensions, cultural and political shifts, and questions of gender and ethnicity. We will examine primary and secondary texts from different periods as well as films, performances, and visual sources, such as paintings, photographs, engravings, and murals. Students will attend performances, talks and be able to have a five day service learning experience.
Pre-Requisite(s): LANG 215 or Department Consent

LANG 340 The Spanish Language in the United States (3 Credits)
This course introduces topics in Spanish sociolinguistics, focusing on how the Spanish language is used in the United States in social and cultural contexts. It explores the relationship between language and speaker's choice, language use and attitudes, language planning and policy, language and gender, language in contact, and bilingual education.
Pre-Requisite(s): LANG 304

LANG 349 Power, Race, and Religion in Iberia and Beyond (3 Credits)
This seminar studies the centuries-old interactions of Christian Iberians with Jews, Muslims, and Africans, which shaped and influenced the relationships between the two first modern global powers, Spain and Portugal, and the peoples they conquered and colonized. Through the examination of both literary and historiographical texts, this course analyzes the ways in which the contact between Christian Iberians and their religious, cultural, and ethnic minorities set the example for the imperial projects of other Christian Europeans and determined attitudes toward difference in the modern world.

LANG 350 The Many Faces of Spain (3 Credits)
This class examines how the historical interaction of ethnic, social, and political groups has shaped the unique culture of Spain, as well as the cultures of other Spanish-speaking countries, especially in Latin America. Through the study of historiographical and literary texts, additionally supported by visual arts and films, students will better understand the singular role Spain has had in history and its impact on Spanish-speaking communities around the world.
Pre-Requisite(s): LANG 305 or LANG 306

LANG 401 Hispanic Literature of the Caribbean (3 Credits)
This course focuses on the culture and history of the Caribbean through a critical reading of representative literary works and historical documents.
Pre-Requisite(s): LANG 308 Survey of Spanish-American Literature OR Department Approval

LANG 402 Race and Ethnicity in Spanish American Literature (3 Credits)
This course examines the social constructs of race and ethnicity in the anti-slavery, indianista, and indigenista novels, as well as In the Afro-American literature of the postmodernist period. Lectures, readings, and reports are in Spanish.
Pre-Requisite(s): LANG 308 or Department Approval

LANG 403 Literature of Cuba (3 Credits)
This course offers a survey of the literature of Cuba from the colonial period to the present. Emphasis is placed on the romantic poets Heredia and Avellaneda, the prose and poetry of Jose Marti, Afro-Cuban poetry, and the novelists of the “Boom” period: Carpentier, Cabrera-Infante and Severo Sarduy.
Pre-Requisite(s): LANG 308 or Department Approval

LANG 406 20th Century Spanish-American Prose Literature (3 Credits)
This course studies the essay, short story and novel of Spanish America from the Modernist period to the "Boom" period of contemporary writers. Lectures, readings, and reports in Spanish are highlighted.
Pre-Requisite(s): LANG 308

LANG 407 Spanish American Literature of the 19th Century (3 Credits)
This course provides an overview of the development of romantic costumbrista, gaucho and realistic movements in Hispanic America, studied through representative authors and works of three genres: novel, drama and poetry. Lectures, readings, and reports in Spanish are utilized.
Pre-Requisite(s): LANG 308

LANG 408 Colonial and Post -Colonial Studies (3 Credits)
Course designed for students interested in issues related to Latin America. The project of this class is to develop a critical understanding of Latin American history, cultures, social tensions, politics, violence and questions of gender and ethnicity. It will focus on the repercussions of the colonial past in present day social and political struggles.
Pre-requisite: LANG 308 OR Department Approval

LANG 409 Introduction to Spanish Interpreting for the Professions (3 Credits)
This is an introduction course in interpreting skills used in various fields and scenes such as international conferences and meetings, business and diplomatic assignments, courts and tribunals, hospitals and community settings. This course will aid students to improve their speaking, listening and reading skills through the practice of English to Spanish interpreting. Students are introduced to the different techniques to overcome problems in the simultaneous interpreting mode such as content analysis and memory exercises, consecutive interpretation without notes, summarization, sight translation and note taking techniques.
Prerequisite(s): LANG 436

LANG 410 Latinx Writers (3 Credits)
An introduction to contemporary women writing in Latin America and to the recent writing of Latinas in the United States with a special focus on their complex representation of sexuality and the maternal body. We will also study their troubling of writing or their association of writing with sexuality and with the maternal experience.
Pre-requisite: LANG 308 OR Department Approval

LANG 413 French Literature of 19th Century (3 Credits)
Pre-Romanticism through Symbolism. Poetry, drama, and prose of the 19th century, including works of Hugo, Balzac, Stendhal, Flaubert, Zola, Baudelaire, and Verlaine. Readings, lectures, and discussions in French.

LANG 416 Twentieth Century Spanish Prose Literature (3 Credits)
This course studies the essay, short story and novel of the Spanish Peninsular writers from the Generation of '98 to the contemporary writers of the Post Civil War period. Lectures, readings, and reports in Spanish are highlighted.
Pre-Requisite(s): LANG 307 Survey of Spanish Literature

LANG 417 19th Century Spanish Literature (3 Credits)
The development of romanticism, costumbrismo, and realism in Spain are studied through readings and discussions of representative authors and works of three genres: the novel, drama and poetry. Lectures, readings and reports are in Spanish.
Pre-Requisite(s): LANG 307

LANG 418 Theater of Golden Age (3 Credits)
This course studies the origins and development of the Spanish national theater, with special emphasis on Lope de Vega, Tirso de Molina and Calderon de la Barca. Lectures, readings, and reports in Spanish are highlighted.
Pre-Requisite(s): LANG 307 Survey of Spanish Literature

LANG 419 Cervantes (3 Credits)
The course studies the life and works of Miguel de Cervantes with emphasis on his masterpiece, Don Quixote de la Mancha. Lectures, readings and reports in Spanish are utilized.
Pre-Requisite(s): LANG 307

LANG 420 20th Century Spanish-American Poetry (3 Credits)
This course studies the poetic movements and poets of Spain and Spanish America since Ruben Dario.
Pre-Requisite(s): LANG 308

LANG 421 20th Century Spanish-American Drama (3 Credits)
This course studies the movements and key literary works of Spanish and Spanish American Theater, from Realism and Naturalism through the surrealist and absurdist periods. Lectures, readings, and reports in Spanish are highlighted.
Pre-Requisite(s): LANG 308

LANG 436 The Art of Translation and Interpreting for Professions (3 Credits)
This course aims to developing the skills needed to translate and interpreting in the medical, legal, community, governmental, international and audiovisual fields. This course will aid students to improve their writing, speaking, listening and reading skills through the practice of English to Spanish translation and interpreting.

LANG 442 Language Issues in the Spanish Speaking World (3 Credits)
This course focuses on how Spanish and indigenous languages are used among speech communities. It explores the relationship between language and speaker's choice, language use and attitudes, language planning and policy, languages in contact, language, and the workplace, and bilingual education in Latin America, Spain, and the United States.

LANG 443 Migration and Exile in the Spanish-Speaking World (3 Credits)
People from Spanish-speaking nations and cultures have been particularly impacted by migration and exile through history: first, as the Iberian Peninsula was explored, colonized, and occupied by multiple cultures from across the Mediterranean, including peoples from the Middle East and North Africa; later, as part of the expansion of the Spanish Empire, which made possible or forced the passage of explorers, colonizers, slaves, and merchants across four continents; finally, as political and economic circumstances have caused the migration or exile of Spaniards and Latin Americans in the last century, as well as their reception of migrants from other nations. In this course, we will study how these geographical and cultural displacements, relocations, and exchanges have been reflected in Spanish-speaking literature and cinema, while creating meaningful connections with our own context and the experiences of migration of the class participants, their families, and their friends.

LANG 445 Introduction to the Teaching of Spanish (3 Credits)
This course provides an introduction to the teaching of Spanish as a Second Language. Based on the information provided from current research in second language teaching, students will learn how communication skills (modes of communication), linguistic competencies, ACTFL 5Cs and New Jersey World Languages Standard can be incorporated in classroom activities when preparing a lesson plan.
Pre-Requisite(s): LANG 311 or LANG 314

LANG 503 Cultural Field Studies (6 Credits)
This is a study travel tour of Spanish America or Spain acquainting students with the distinctive elements of Hispanic culture and civilization through direct contact.

LANG 510 Second Language Methodology I (3 Credits)
This course provides an introduction to the theories, methods, and materials used in the teaching of World Languages K-12, focusing on the national (ACTFL) standards and the revised NJ World Languages Standards. Students will create and assess lessons for standards-based world language classrooms using a communicative and contextualized approach.
UG Pre-Requisite(s): LANG 305 and LANG 306

Spanish, B.A.

Completion of this major prepares you for a career as a Spanish language instructor, translator/interpreter, bilingual assistant in state agencies (embassies and consulates, law enforcement, etc.), and other jobs that require a deep knowledge of both the language and the cultures of the Spanish-speaking world. Continued study may include a master's degree in Spanish and a certificate, B.A., or master's degree in translation or in court or medical interpreting.

PLEASE NOTE: STUDENTS MUST CONTACT THE DEPARTMENT OF WORLD LANGUAGES AND CULTURES TO ENSURE THAT STUDENT'S SPANISH PROFICIENCY LEVEL IS ADEQUATE TO ENTER THE B.A. PROGRAM/MAJOR.

Total Major Credit Hours: 36 semester hours beyond the 200 level

Minimum Grade Requirements: C or higher required in Spanish Major classes.

Code	Title	Credits
Required		**24**
I. LANGUAGE (3 Courses)		9

LANG 310	Communicative Spanish Grammar	3
LANG 304	The Art Of Writing In Spanish	3
LANG 314	Spanish Writing For The Professions	3
II. CULTURE (2 Courses)		6
LANG 350	The Many Faces of Spain	3
LANG 306	Past and Present of Latin America	3
LANG 309	US Latinx Culture	3
III. LITERATURE (2 Courses)		6
LANG 307	Authors And Readings From Spain	3
LANG 308	Voices And Texts Of Latin America	3
LANG 410	Latinx Writers	3
IV. MAJOR ELECTIVES (5 Courses)		15
LANG 310	Communicative Spanish Grammar	3
LANG 311	Spanish-English Comparative Grammar II	3
LANG 330	Reading the Past and Present of Mexico's Violence and Resistance	3
LANG 331	Past and Present of Indigenous Struggles for Alternative Ways of Learning and Living.	3
LANG 340	The Spanish Language in the United States	3
LANG 401	Hispanic Literature of the Caribbean	3
LANG 402	Race and Ethnicity in Spanish American Literature	3
LANG 403	Literature of Cuba	3
LANG 406	20th Century Spanish-American Prose Literature	3
LANG 407	Spanish American Literature of the 19th Century	3
LANG 408	Colonial and Post -Colonial Studies	3
LANG 409	Intro to Spanish Interpreting	3
LANG 410	Latinx Writers	3
LANG 416	Twentieth Century Spanish Prose Literature	3
LANG 417	19th Century Spanish Literature	3
LANG 418	Theater of Golden Age	3
LANG 419	Cervantes	3
LANG 420	20th Century Spanish-American Poetry	3
LANG 421	20th Century Spanish-American Drama	3
LANG 436	Intro to Spanish Translation & Interpreting	3
LANG 442	Language Issues in the Spanish Speaking World	3
LANG 445	Introduction to the Teaching of Spanish	3
LANG 503	Cultural Field Studies	6
LANG 510	Second Language Methodology I [1]	3
Total Credits		**36**

[1] This course is a New Jersey requirement for teacher certification. When offered, students can take it as an elective

Freshman		
Semester 1		**Credits**
LANG 103 or LANG 215	Elementary Spanish I or Spanish for Bilingual Speakers I	3
	Credits	**3**
Semester 2		
LANG 104 or LANG 216	Elementary Spanish II or Spanish for Bilingual Speakers II	3
	Credits	**3**
Sophomore		
Semester 1		
LANG 304	The Art Of Writing In Spanish (*Only offered in the Fall)	3
LANG 308	Voices And Texts Of Latin America (*Only offered in the Fall.)	3
	Credits	**6**
Semester 2		
LANG 306	Past and Present of Latin America (*Only offered in the Spring.)	3
LANG 314	Spanish Writing For The Professions (*Only offered in the Spring.)	3
	Credits	**6**
Junior		
Semester 1		
LANG 310	Communicative Spanish Grammar	3
Spanish Major Elective		3
	Credits	**6**
Semester 2		
LANG 307	Authors And Readings From Spain	3
LANG 311	Spanish-English Comparative Grammar II	3
	Credits	**6**
Senior		
Semester 1		
LANG 309	US Latinx Culture	3
Spanish Major Elective		3
Spanish Major Elective		3
	Credits	**9**
Semester 2		
Spanish Major Elective		3
Spanish Major Elective		3
	Credits	**6**
	Total Credits	**45**

Please note: Prior to enrolling in ANY Spanish major courses, students MUST reach out to
The Department of World Languages and Cultures to take the Spanish Writing Assessment Test (SWAT).
Students will not be permitted to take Spanish major courses until passing the SWAT.

Student Learning Outcomes

Upon completion of the Spanish BA program, students will be able to:

1. Demonstrate advanced proficiency in spoken and written Spanish.
2. Apply skills in linguistics for translation and interpreting.
3. Illustrate the ability to read critically, interpret analytically, speak persuasively, and write coherently about both visual and verbal texts produced in the Spanish-speaking world.

4. Assess methodological approaches in the study of literary and cultural texts, such as close reading, socio-historical contextualization, and literary and cultural theory.
5. Examine literary and cultural traditions, such as major movements, writers, and works of the Spanish-speaking world, focusing on at least one and ideally multiple traditions: Latin American, Spanish and US/Latinx cultures.
6. Develop the competencies necessary for scholarly research and writing in the Humanities.

Spanish, Minor

Completion of this minor complements any major concentration offered at NJCU. Well-developed Spanish language skills increase career opportunities in many fields: communications and media, translation and interpretation, public relations, business, import/export, and many other areas that require proficiency in Spanish and/of familiarity with Hispanic literatures, language and cultures.

Total Credit Hours: 18

Minimum Grade Requirements: courses with a C or higher required for the minor

Code	Title	Credits
Required		
LANG 304	The Art Of Writing In Spanish	3
or LANG 314	Spanish Writing For The Professions	
LANG 307	Authors And Readings From Spain	3
or LANG 308	Voices And Texts Of Latin America	
LANG 306	Past and Present of Latin America	3
or LANG 350	The Many Faces of Spain	
Restricted Electives		
Select 9 credits from the following courses at the 400 or 500 level: [1]		9
LANG 401	Hispanic Literature of the Caribbean	3
LANG 402	Race and Ethnicity in Spanish American Literature	3
LANG 403	Literature of Cuba	3
LANG 406	20th Century Spanish-American Prose Literature	3
LANG 407	Spanish American Literature of the 19th Century	3
LANG 408	Colonial and Post -Colonial Studies	3
LANG 409	Introduction to Spanish Interpreting for the Professions	3
LANG 410	Latinx Writers	3
LANG 416	Twentieth Century Spanish Prose Literature	3
LANG 417	19th Century Spanish Literature	3
LANG 418	Theater of Golden Age	3
LANG 419	Cervantes	3
LANG 420	20th Century Spanish-American Poetry	3
LANG 421	20th Century Spanish-American Drama	3
LANG 436	The Art of Translation and Interpreting for Professions	3
LANG 445	Introduction to the Teaching of Spanish	3
Total Credits		**18**

[1] These courses must be approved by advisor

Spanish—Teacher Certification, B.A.

Completion of this major prepares you to be a Spanish teacher in elementary, middle, or high school. This degree comprises 36 credits in the subject of Spanish, which fulfills one of the requirements to be certified as a Spanish teacher, and it can also be used to apply to New Pathways to Teaching in New Jersey.

THE REQUIREMENTS FOR ADMISSION TO THIS CONCENTRATION ARE:

- A minimum cumulative undergraduate grade point average (CGPA) of 3.0.
- A minimum of B- or better on all education courses
- Passing scores on the Praxis CORE, **or** 560 verbal, 540 Math on the SAT, **or** 23 or higher on the ACT, **or** 155 verbal, 156 quantitative on the GRE.

Passing scores on the Praxis CORE Academic Skills for Educators Tests, as of 9/1/19:

- Math Test #5733 Passing Score 150
- Reading Test #5712 Passing Score 156
- Writing Test #5722 Passing Score 162

Students who meet the score levels below are not required to take the Praxis CORE:

SAT Scores

- If taken before 4/1/1995: Math 520, Reading 480
- If taken between 4/1/1995 to 2/28/2016: Math 540, Reading 560
- If taken on or after 3/1/2016: Math 570, 610 Evidence-Based Reading and Writing or 30 Reading Section

ACT Scores

- If taken before 8/28/1989: Math 23, English 20
- If taken on or after 8/28/1989: Math 23, English 23

GRE Scores

- If taken before 8/1/2011: Quantitative 720, Verbal 530
- If taken on or after 8/1/2011: Quantitative 156, Verbal 155

For more information on Praxis exams: https://www.ets.org/praxis/nj/requirements

THE REQUIREMENTS FOR COMPLETION OF THIS DEGREE TRACK ARE:

- Completion of NJCU General Education requirements or equivalent
- Successful completion of major in intended content area
- Passing scores on appropriate Praxis II Exam
- A minimum cumulative GPA of 3.0
- Successful completion of clinical experience and clinical practice (student teaching)

This includes successful submission of the performance assessment, edTPA, as required by the New Jersey Department of Education.

Note: For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

THE REQUIREMENTS FOR ADMISSION TO THIS CONCENTRATION ARE:

- A minimum cumulative undergraduate grade point average (CGPA) of 3.0.
- A minimum of B- or better on all education courses

THE REQUIREMENTS FOR COMPLETION OF THIS DEGREE TRACK ARE:

- Completion of NJCU General Education requirements or equivalent
- Successful completion of major in intended content area
- Passing scores on appropriate Praxis II Exam
- A minimum cumulative GPA of 3.0
- Successful completion of clinical experience and clinical practice (student teaching)

Note: For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Courses with a final grade of C– or lower will NOT count toward the Spanish major

Code	Title	Credits
Required		**24**
LANG 304	The Art Of Writing In Spanish	3
LANG 306	Past and Present of Latin America	3
LANG 307	Authors And Readings From Spain	3
LANG 308	Voices And Texts Of Latin America	3
LANG 314	Spanish Writing For The Professions	3
LANG 510	Second Language Methodology I	3
Restricted Electives		
Select 12 credits from the following courses:		12
LANG 230	Business Spanish	3
LANG 231	Literature of Puerto Rico	3
LANG 309	US Latinx Culture	3
LANG 340	The Spanish Language in the United States	3
LANG 401	Hispanic Literature of the Caribbean	3
LANG 402	Race and Ethnicity in Spanish American Literature	3
LANG 403	Literature of Cuba	3
LANG 406	20th Century Spanish-American Prose Literature	3
LANG 407	Spanish American Literature of the 19th Century	3
LANG 408	Colonial and Post -Colonial Studies	3
LANG 410	Latinx Writers	3
LANG 416	Twentieth Century Spanish Prose Literature	3
LANG 417	19th Century Spanish Literature	3
LANG 418	Theater of Golden Age	3
LANG 419	Cervantes	3
LANG 420	20th Century Spanish-American Poetry	3
LANG 421	20th Century Spanish-American Drama	3
LANG 445	Introduction to the Teaching of Spanish	3
Required General Education Program Courses		
BIOL 225	Human Sexual Biology	3
PSYC 152	Development Adolescence to Adulthood	3
WGST 110	Diversity and Difference: Identities, Communities, and Cultures	3

Please see the BA in Secondary Education (https://catalog.njcu.edu/undergraduate/education/elementary-secondary/secondary-education-co-major-arts-sciences-k-12-certification/) catalog page for required education coursework.

Please see the BA in Secondary Education (https://catalog.njcu.edu/undergraduate/education/elementary-secondary/secondary-education-co-major-arts-sciences-k-12-certification/) catalog page for required education coursework.

Deborah Cannon Partridge Wolfe College of Education

Professional Studies Building, Room 303
201-200-2101

Dr. Mary McGriff (mmcgriff@njcu.edu), Acting Dean
Mary Robinson (mrobinson1@njcu.edu), Principal Clerk-Typist

The mission of the Deborah Cannon Partridge Wolfe College of Education (https://www.njcu.edu/academics/schools-colleges/deborah-cannon-partridge-wolfe-college-education) is to prepare educators to empower every student. NJCU's location in the heart of an urban metropolis shapes our commitment to addressing the needs of students in the contemporary urban, multicultural, and multilingual classroom. The College of Education is dedicated to the belief that education is transformative and empowering and that social justice can best be accomplished through an educated citizenry. The College has a longstanding tradition of preparing distinguished educators for our community, our country, and our world.

It is the College's guiding philosophy to incorporate a student-centered constructivist model and research-based practices to allow all learners to realize their potential. The goal of the College of Education is to prepare candidates to think critically and reflectively about the needs of individual learners, the educational community, and the greater community, and to act in a just and equitable manner.

The College offers a Doctorate in Education, master's and bachelor's degree programs, and certification eligibility programs across five academic departments:

- Counselor Education
- Educational Technology
- Multicultural Leadership
- Special Education
- Teaching, Learning, and Literacy

The College of Education is accredited by the Council for the Accreditation of Education Preparation (CAEP), and programs in the Counselor Education Department are accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). All certification eligibility programs are approved by the New Jersey Department of Education.

A. Harry Moore Laboratory School for Special Education

Jason Jusino (jjusino@njcu.edu), Principal
2078 John F. Kennedy Boulevard
201-200-3287
https://www.njcu.edu/community/youth-programs/harry-moore-school

The A. Harry Moore Laboratory School is located at the easternmost edge of the NJCU campus. The school provides approximately 180 children with multiple disabilities a comprehensive public education supplemented by physical, occupational, recreational, and speech therapies. The A. Harry Moore Laboratory School and the Deborah Cannon Partridge Wolfe College of Education work together to provide learning experiences and field placements for graduate and undergraduate students preparing for careers as teachers and other professional school personnel. The facilities offer many opportunities for linking classwork with observation and practice. For more information, contact the Principal of the A. Harry Moore Laboratory School or the Dean of the Deborah Cannon Partridge Wolfe College of Education.

Center for Teacher Preparation and Partnerships

Brandi Warren (bwarren@njcu.edu), Director
Professional Studies Building, Room 203A
201-200-3015
Email: ctppcert@njcu.edu
https://www.njcu.edu/ctpp (http://www.njcu.edu/ctpp)

The Center for Teacher Preparation and Partnerships serves as a liaison between New Jersey City University and the education community in supporting P-12 school partnerships. Students inquiring about clinical components are invited to contact the CTPP or visit the appropriate academic department.

The Center for Teacher Preparation and Partnerships works collaboratively with various departments to:

1. Place approved candidates into educational clinical components, including the full semester of clinical practice.
2. Coordinate joint activities between the University and the public schools.
3. Support educational partnership activities with community colleges, partner schools, and school districts.
4. Process teacher certification applications.

Children's Learning Center

Hepburn Hall
201-200-3342
Email: njcuclc@njcu.edu
https://www.njcu.edu/student-life/campus-services-resources/childrens-learning-center

The Children's Learning Center consists of a fully licensed and accredited preschool and pre-kindergarten classroom as well as drop-in childcare services—all at an extremely competitive cost to parents. In addition, the center serves as a training site for NJCU students. The Children's Learning Center provides a setting that supports NJCU students in their preprofessional field experience.

Multicultural Leadership

Professional Studies Building, Room 345
201-200-3380

The Multicultural Education Program in the Multicultural Leadership department prepares teachers for careers in ESL, bilingual, and multicultural settings. Multicultural education recognizes and supports different perceptions of the world as equally valid; enables teachers to clarify their values and perceive their attitudes and stereotypes about other groups of people; and develops respect for linguistic and cultural differences.

Program Options

- Non-degree, Certification Only program in ESL Endorsement and must be added onto current teacher certification preparation program.
- Non-degree, Certification Only program in Bilingual/Bicultural Endorsement and must be added onto current teacher certification preparation program.
- Non-degree, Certification Only program in Dual ESL and Bilingual/Bicultural Endorsementand must be added onto current teacher certification preparation program.

Language Proficiency

It is a New Jersey State requirement that all candidates seeking ESL certification be tested in oral and written English language proficiency. Candidates seeking bilingual endorsement must be tested in oral and written English language proficiency, and in oral/written second language proficiency. Tests are given by the American Council of Teachers of Foreign Languages (ACTFL). ACTFL Language Proficiency Assessment Tests for ESL and Bilingual Certification can be arranged directly by visiting the ACTFL website at www.actfl.org.

For more information please inquire with Department Chairperson Dr. Alexis Kim (akim@njcu.edu)

Jeong Alexis Kim, Chairperson (akim@njcu.edu)
Assistant Professor
Skidmore College, B.S.; New York University, M.A., Ph.D.

Jeanette Baubles (jbaubles@njcu.edu)
Assistant Professor
Villanova University, B.S.; The College of New Jersey, M.A.; New Jersey City University, M.A.; Seton Hall University, Ed.D.

Donna Farina (dfarina@njcu.edu)
Professor
George Washington University, B.A.; Université des Sciences Humaines (Strasbourg, France) Licence, Maitrise; University of Illinois, A.M., Ph.D.

Susan Phifer (sphifer@njcu.edu)
Assistant Professor
Rutgers University, B.A., New Jersey City University, M.A., University of San Francisco, Ed.D.

.

Multicultural Center (MCC)

MCC 218 Diversity: Civil Debate in Contentious Times (3 Credits)
Students explore history and causes of a number of issues that are contentious in our contemporary diverse society. The course prepares students to express their ideas clearly and argue in a civil manner while collaborating with diverse teams.

MCC 350 Immigrants and Immigration: Dialog and Debate for Our Diverse Future (3 Credits)
This course examines U.S. immigration, U.S. immigration policy, and case histories of U.S. immigrants. It investigates immigration issues from an international perspective. Students explore social justice advocacy related to immigration issues.

MCC 400 General Linguistics & Multicultural Education (3 Credits)
This course introduces the field of linguistics, focusing on phonetics, phonology, morphology, syntax, and semantics. Students learn about similarities and differences among languages, which connect linguistic theory to language learning and teaching. Also covers how languages are influenced by socioeconomic status, region, ethnicity, gender, age, etc.

MCC 403 Applied Linguistics (3 Credits)
This course examines the latest research on second language acquisition, similarities between first and second language development, the interaction between them and their respective environments, levels of communicative competence in second language learners, and the implications of language attitudes, socio-cognitive variables, and ethno-linguistic identity for curriculum planning and classroom procedure.

MCC 404 Phonology & Structure of American English (3 Credits)
This course analyzes the sound system and grammatical structure of American English as it applies to the teaching of English as a second language. It focuses on common learner language errors, sources of errors, and ways to teach grammar structures in their typical context, through communicative and interactive activities.
Pre-requisite: MCC 400

MCC 405 Introduction to Bilingual/Bicultural Education (3 Credits)
The course provides a comprehensive analysis of the current state of bilingual education in the United States. It discusses the legal and educational aspects of bilingual policy making and implementation, the impact of evaluation on program design and funding, the reliability of assessment instruments, and the future of bilingual education from the viewpoint of demographic trends and social equity. The course emphasizes the relationship between English as a second language issues and bilingual education.

MCC 407 Teaching Bilingual Children Content Area (3 Credits)
This course deals with the theory and practice of education for ethnolinguistic minority students at both elementary and secondary levels. Emphasis is placed on the approaches to the teaching of language arts, mathematics, science, and social studies. Relevant materials are presented to illustrate the classroom implementation of bilingual instruction.

MCC 408 Lang Cult & Communication (3 Credits)
This course examines the difference between cultural value systems, including the melting pot theory and the theory of cultural pluralism, and their educational implications. It also examines the relationship between cultural values and both cognitive styles and communication styles. Other relevant issues of the culture-language relation are discussed as well.

MCC 409 Multi-Cultural Education & Psycholinguistics (3 Credits)
Psychology of language is explored through the effects of language on memory and cognitive development, and the neurological bases of language, learning and cognition. Native language acquisition, second language acquisition by children and adults, as well as the nature of language comprehension and production are covered.

MCC 410 Sociolinguistics (3 Credits)
This course explores how social and cultural history influences language development. It explores the origins of linguistic varieties, such as standard language, dialects, slang, pidgins and Creoles. Issues of language choice and attitude, impact of language policy and conflict on group identity, self-esteem, and academic achievement are also explored.

MCC 411 Theory of Language Teaching (2 Credits)
This course presents second language teaching in historical perspective. The major language teaching theories of the twentieth century are studied and their impact on current pedagogical practices examined.
Co-requisite: MCC 412

MCC 412 Observation of English as a Second Language (1 Credit)
This course is offered concurrently with 411 Theories of Language Teaching. Students are asked to observe approved ESL and/or bilingual classrooms taught by experienced teachers and share their observations in class.
Co-requisite: MCC 411

MCC 417 Field Experience in Bilingual/Multicultural Education (3 Credits)
Candidates are given an opportunity to observe and participate in an ESL and/or bilingual classroom at the early childhood, elementary, or secondary level. They are supervised on the job and meet in seminar groups to evaluate and reflect on their experience.
Pre-requisite: MCC 455

MCC 427 Historical and Cultural Background of Limited English Proficient Students (3 Credits)
This course examines the acculturation of language minority students in American schools. Topics include: socialization of ELLs; the psychological and social factors that facilitate development of or inhibit their self-image within a culturally diverse society; psychological and pedagogical consequences of schooling; and the role of assessment in bilingual schooling.

MCC 455 Methods of Teaching English as a Second Language (3 Credits)
Students observe, practice, and develop practical techniques for teaching listening, speaking, reading, and writing skills to learners of English as a second language. Students are involved in peer teaching and demonstrations of various methodologies. Emphasis is placed on classroom management, testing, and developing creative materials that foster communication.

Teaching, Learning, and Literacy

Professional Studies Building, Room 345
201-200-3521

The Department of Teaching, Learning, & Literacy (https://www.njcu.edu/academics/schools-colleges/deborah-cannon-partridge-wolfe-college-education/departments/department-teaching-learning-and-literacy) is committed to preparing New Jersey educators to teach in an ever-evolving world.

We aim to:

- Prepare reflective, skilled, and equity-based educators at both the undergraduate and graduate levels
- Commit to the belief that education is transformative, empowering & that social justice can be best accomplished through an educated citizenry
- Inform educational theory and practice through research and experiential learning opportunities for students
- Dedicate our instruction to cultivate critical and analytical thinkers & problem-solvers who will work in school settings mostly focused on the urban student populations

Michelle Rosen, Chairperson (mrosen@njcu.edu)
Professor
Rider University, B.A.; Rutgers University, Ed.M., Ed.D.

Basanti Chakraborty (bcharkraborty@njcu.edu)
Professor
Utkal University, B.S., B.Ed., M.Ed., Ph.D

Allan De Fina (adefina@njcu.edu)
Professor
New Jersey City University, B.A.; New York University, M.A., Ph.D.

Saigeetha Jambunathan (adefina@njcu.edu)
Professor
University of Madras, B.S., M.S.; Oklahoma State University, Ph.D.

Adrian Martin (amartin6@njcu.edu)
Professor
Montclair State University, B.A.; New Jersey City University, M.A.; Montclair State University, Ph.D.

Erik Morales (adefina@njcu.edu)
Professor
New York University, B.S., William Paterson University, M.Ed; New York University, Ph.D.,

Deborah Gee (dwoo@njcu.edu)Woo (dwoo@njcu.edu)
Professor
Case Western Reserve University, B.A.; Rutgers, The State University of New Jersey, M.Ed., Ed.D.

Learn about upcoming events and education job openings on the College of Education's Facebook page (https://www.facebook.com/NJCU-College-of-Education-250565428324963/)!

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Secondary Education with K-12 Certification (with major in Arts and Sciences) (p. 200)
- Bachelor Of Arts In Elementary Education (K-6) with Literacy Focus (p. 202)

Elementary and Secondary Education (EDU)

EDU 1XX Elementary & Secondary Education Transfer Credit (0 Credits)

EDU 2XX Elementary & Secondary Education Transfer Credit (0 Credits)

EDU 105 Education and LGBTQ Issues (3 Credits)
This course explores education and LGBTQ issues. Topics such as LGBTQ students, teachers, curriculum, policy, research, and allyship are investigated and discussed. Students will analyze and assess how schools can function as safe spaces. The signature assignment provides an opportunity to research a topic of interest related to course content.

EDU 210 The Social Studies Disciplines (1 Credit)
This course aims to improve the pass rates of education candidates on the Praxis II Secondary Social Studies Content Knowledge exam by building both (multi) disciplinary knowledge and test taking skills. The exam measures candidates' breadth of knowledge in U.S. and world history, political science, geography, economics, and the behavioral sciences.

EDU 220 School in Popular Film: How Movies Shape Views on Teachers, Students, and Education (3 Credits)
The course explores of how teachers, students, and schools have been depicted in popular film, and how these portrayals have contributed to national perspectives, expectations, and debates related to schools and education. Essential questions explored include: How have media representations of schools, teachers, and students evolved since the popularization of film as a mass entertainment medium? How has film depicted ethnic, racial, economic, gender, and cultural diversity in schools? How have depictions of teachers evolved over the years and how have these depictions affected our expectations of teachers? How have films depicted urban schools and students and how have these depictions influenced teacher recruitment and retention? What political values and platforms have these films promulgated and reinforced? Ultimately, the goal of the course is to help students think critically about education themed entertainment and its effects. Numerous salient films and film clips will be viewed and analyzed.

EDU 250 Education Challenge (3 Credits)
This course is the first step in the process of developing a classroom teacher who is a reflective practitioner in an urban environment. It stresses fundamental, theoretical and practical concepts pertaining to the teaching profession and to the relationships between teachers and other school professionals. It explores the complexity of today's classroom and the knowledge and skills needed to become an effective teacher. The reflective practitioner framework is developed through an examination of the history, theories and practical concepts of the teaching profession. The course examines relationships between teachers and other school personnel and the community. The course is designed to help the student decide whether he/she has the potential, attitudes and interest to become a professional teacher. Corequisite: LTED 330 Focus: Reading, Language and Literacy.

EDU 280 Challenges in Urban Education (3 Credits)
Students examine sociological, historical, philosophical, political, and anthropological foundations of education, to understand how these underpin life in urban classrooms, schools, and school systems. Readings and class work encourage critical perspectives on the social, political, and economic contexts that influence teaching and learning in urban schools.
Co-requisite: LTED 230

EDU 305 Power, Politics, and Schooling: National and Global Contestations (3 Credits)
What is the purpose of education in societies aspiring to democracy? How has that purpose been conceived and realized, across cultures and time? How do current educational practices and policies reflect, achieve, or fail to advance schooling's democratic purposes? Students take up these questions by critically analyzing school reform as a site of political, economic, and cultural struggle, examining the history, players, and ideologies configuring contemporary controversies in national and international education policy. Students evaluate assumptions underlying school reforms; interests of constituencies advancing change; and the likely intended and unintended consequences, especially for historically marginalized groups.
Pre-Requisite(s): 8 Gen Ed Courses across Tier 1 and Tier 2

EDU 315 Differentiating Instruction:Mtng Needs of Urban Stdnts from Cultrly,Ling.,&Academic Diverse Bckgrnds (3 Credits)
This course is for students seeking teaching certification. The course assists prospective teachers in maximizing learning for students from diverse backgrounds. Emphasis is on culturally respectful and relevant methods for differentiating instruction to meet the needs of students. Common challenges correlated to poverty and supporting students' academic resiliency are examined.
Prerequisites: Matriculation in the teacher preparation program, EDU 280 and LTED 230.

EDU 330 Focus: Development, Behavior and Learning (3 Credits)
The first post-admission course in the teacher education program. This course will emphasize the practical applications for classroom instruction of the major theories, research, concepts and issues in the areas of human learning, development and measurement and evaluation.
Pre-requisite(s): 3.00 CGPA, EDU 280 LTED 230 and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 331 Clinical Practice I (2 Credits)
Taken concurrently with EDU 330 Focus: Development, Behavior and Learning. Clinical Practice I will meet for the entire semester. It consists of a weekly field experience and four seminars. The attributes of the reflective urban practitioner model are discussed and practiced by utilizing real experiences and urban child care and/or educational settings where knowledge of child development can be observed and applied to Early Childhood/Elementary and Secondary Education program practices. Special attention is devoted to the delivery of developmentally appropriate practice to children and their families.
Pre-Requisite(s): 3.00 CGPA, EDU 280, LTED 230, Department Consent, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 361 Elementary Social Studies Methods (2 Credits)
This course is to be taken by candidates seeking elementary teaching certification. This course helps students teach elementary school children about the social world in which they live and how it got that way. It focuses on various teaching methods that help children develop the knowledge, skills and attitudes needed to participate in today's global community. Emphasis is on inquiry, problem solving and discovery. Reflective practice is the goal for the education candidate. Students gain a practical hands-on experience in using current computer technology in the classroom.
Pre-requisite: 3.00 CGPA, EDU 280, LTED 230, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 362 Elementary Science Methods (2 Credits)
This course is to be taken by candidates seeking elementary teaching certification. It focuses on teaching the pedagogy of elementary science and on the development of reflective practitioners. The course will concentrate on the presentation, development and reinforcement of elementary science concepts, skills and applications at each successive grade level. Students gain a practical hands-on experience in using current computer technology in the classroom.
Pre-requisite: 3.00 CGPA; EDU 280, LTED 230, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 371 Grades 7-12 Methods/Materials (3 Credits)
Offered Fall Semester Only This course prepares prospective middle and secondary urban teachers to select and use research-based instructional materials and strategies. Course work emphasizes acquisition of skills, orientations, and knowledge of reflective urban teachers and focuses on ways to organize instruction and develop materials that make all students' active learners, tapping family and community "funds of knowledge.
Pre-requisite: 3.00 CGPA, EDU 280, LTED 230 and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 470 Concurrent Student Teaching Seminar (2 Credits)
This course is designed to continue the development of the reflective urban practitioner. It is used to help the education candidate analyze and evaluate his/her own student teaching experience and progress. Curriculum concerns of school systems involved are addressed in terms of the teaching experience. Special attention is devoted to methodology unique to the various subject areas, i.e., learning other languages, Science, Math, English, Social Studies, Art, Music and Health. Planning, implementing, assessing and managing unique instructional methods and activities such as field trips, laboratories, workshops and other alternate learning sites are examined.
Pre-Requisite(s): 3.00 CGPA and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 480 Clinical Practice II (8 Credits)
This is a field-based experience course, and students are assigned to local and regional public schools on the full-time basis for a full-semester. Students will observe master teachers in their own field, specialty or grade level and in other field, grade level and specialty areas. They will tutor and teach children in their certification area. They will plan for and evaluate instruction. They will plan for and conduct assessments of student learning. Students will assume the full responsibilities of a classroom teacher during the course of the semester and will be responsible for both in-class and out-of-class activities normally assigned to teachers.
Pre-requisite: 3.00 CGPA, EDU 280, LTED 230, EDU 331 and Department Consent and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 485 Classroom Management and Assessment Internship Seminar (2 Credits)
This course introduces students to strategies and theories for managing classroom behavior through effective instructional techniques and communication. This course will also prepare students to understand and implement both externally imposed standardized methods of assessment and internal authentic assessment techniques.
Pre-Requisite(s): 3.00 CGPA, Phase I, II, and III of the undergrad teacher education program in Elem and Sec education, with Co-Requisite EDU 480, Studen Teach Seminar.Passing Scores on the Praxis Tests (Core Academic Skills in Reading,Writing and Math)
Co-Requisite: EDU 480, Studen Teach Seminar.Passing Scores on the Praxis Tests (Core Academic Skills in Reading,Writing and Math)

EDU 490 Rethinking Education (3 Credits)
Offered Spring Semester Only As one of the capstone courses in the teacher education program, this course is part of the process of developing a teacher who is a reflective practitioner in an urban environment. The course focuses on the prospective teacher's ability to understand current issues and controversies in American education within a framework of the fundamental sociological, historical, and philosophical concepts as applied to educational theory and practice. It develops the ability of the prospective teacher to be a reflective practitioner by addressing the acquisition of knowledge, reframing of knowledge and the utilization of knowledge about the teaching/learning process from a variety of different perspectives in a variety of classroom settings. Assignments, class discussions, activities and readings are designed to help prospective teachers to be reflective teachers in urban settings.
Pre-Requisite(s): 3.00 CGPA and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 495 Rethinking Teaching (3 Credits)
Offered Spring Semester Only As one of the capstone courses in the teacher education program, this course is part of the process of developing a teacher who is a reflective practitioner in an urban environment. The course focuses on the prospective teacher's ability to use and evaluate a variety of diagnostic, instructional, managerial and effective strategies in the classroom, within specific contexts, and for specific learners. It develops the ability of the practitioner by addressing the acquisition of knowledge, reframing of knowledge and the utilization of knowledge about the teaching/learning process from a variety of different perspectives in a variety of classroom settings. Assignments, class discussions, activities and readings are designed to help prospective teachers to be reflective teachers in urban settings.
Co-Requisite(s): EDU 480, 3.00 CGPA, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 501 English Content Praxis Review (1 Credit)
This course prepares students to take the English Content PRAXIS, the subject assessment in English required to obtain certification to teach secondary language arts in New Jersey. The course offers a broad review of different topics in English as well as strategies for effective test taking and time management.

EDU 563 Methods for Teaching Mathematics in the Primary Grades K-2 (3 Credits)
With a focus on learners in grades K-2, this course is designed to build candidates' conceptual understanding of mathematical content and processes. It also addresses the integration of literacy skills in mathematics. The course will equip candidates with the pedagogical content knowledge and tools to conduct cognitively guided mathematics instruction, assess student learning, and remediate difficulties.

EDU 564 Methods for Teaching Mathematics in the Primary Grades 3-6 (3 Credits)
With a focus on learners in grades 3-6, Methods for Teaching Mathematics in the Primary Grades is designed to build candidates' conceptual understanding of mathematical content and processes across the areas: Number and Operations, Algebra, Geometry, Measurement, Data Analysis, and the Integration of Literacy Skills in Mathematics. The course will equip candidates with the pedagogical content knowledge and tools to conduct cognitively guided mathematics instruction, assess student learning, remediate difficulties.

EDU 1372 Methods and Materials of Teaching English in Middle and Secondary Schools (3 Credits)
Offered Fall Semester Only This course applies the general theories of curriculum and instruction in English language arts to middle and secondary English teachers. The course prepares students to teach the two peer lessons required for EDU 371. The course uses the paradigm of the "reflective practitioner" and aims to teach students how to apply the research and theories of an integrated language arts curriculum to an urban setting, using student-centered instructional strategies. Course work emphasizes acquisition of skills, orientations, and knowledge of reflective urban teachers and focuses on ways to organize instruction and develop materials that make all students active learners, preparing prospective teachers to work with urban students of diverse cultural and national backgrounds and learning abilities.
Pre-requisite: 3.00 CGPA, EDU 280, LTED 230, EDU 331 and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 2372 Methods and Materials of Teaching Mathematics in Middle and Secondary Schools (3 Credits)
Offered Fall Semester Only This course applies the general theories of curriculum and instruction to the teaching and learning of mathematics at the middle and secondary level. The course prepares teacher-candidates to teach the two peer lessons required for EDU 371. The course uses the paradigm of the "reflective practitioner" and aims to teach students how to apply the research and theories of a mathematics curriculum in an urban setting, using student-centered instructional strategies. Coursework emphasizes acquisition of skills, orientations, and knowledge of reflective urban teachers and focuses on ways to organize instruction and develop materials that make all students' active learners, preparing prospective mathematics teachers to work with urban students of diverse cultural and national backgrrounds and learning abilities.
Pre-requisite: 3.00 CGPA, EDU 280, LTED 230, EDU 331 and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 3372 Methods and Materials of Teaching Science in Middle and Secondary Schools (3 Credits)
This course applies the general theories of curriculum and instruction to the teaching and learning of science at the middle and secondary level. The course prepares teacher-candidates to teach the two peer lessons required for EDU 371. The course uses the paradigm of the "reflective practitioner" and aims to teach students how to apply the research and theories of a science curriculum in an urban setting, using student-centered instructional strategies. Course work emphasizes acquisition of skills, orientations, and knowledge of reflective urban teachers and focuses on ways to organize instruction and develop materials that make all students active learners, preparing prospective science teachers to work with urban students of diverse cultural and national backgrounds and learning abilities.
Pre-requisite: 3.00 CGPA, EDU 280, LTED 230, EDU 331 and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 4372 Methods and Materials of Teaching in Social Studies in Middle and Secondary Schools (3 Credits)
This course prepares prospective middle and secondary social studies teachers in urban settings to select and use research-based instructional materials and strategies. Coursework emphasizes acquisition of skills, orientations, and knowledge or reflective urban teachers and focuses on ways to organize instruction and develop materials that make all students active learners, tapping family and community "funds of knowledge.
Pre-requisite: 3.00 CGPA, EDU 280, LTED 230, EDU 331, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

EDU 5372 Methods and Materials of Teaching Modern Language in Middle & Secondary Schools (2 Credits)
Offered Fall Semester Only This course is designed to describe the principles of language learning, to provide instruction in planning goals, and utilizing teaching methods and strategies that can maximize opportunities for the development of foreign language proficiency in listening, speaking, reading and writing among students. Ways to integrate the teaching of language and cultures are explored. The course will acquaint students with current textbooks, materials and equipment available for developing and reinforcing language concepts, skills and standards. It is expected that all students will demonstrate a knowledge and understanding of the written and spoken aspects of a foreign language. Students gain practical hands-on experience in using current computer technology in the Modern Language classroom.
Pre-Requisite(s): 3.00 CGPA, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

Literacy Education

LTED 1XX Literacy Education Transfer Credit (0 Credits)

LTED 2XX Literacy Education Transfer Credit (0 Credits)

LTED 90 Reading for College (4 Credits)
This course provides instruction in vocabulary development, reading comprehension, and study strategies essential to beginning college level work. After exiting, students are required to take LTED 101, Reading and Study Skills.

LTED 101 Reading & Study Skills (3 Credits)
This course focuses on reading improvement and on the development of academic literacy. Students learn to use textbooks with both understanding and efficiency and receive instruction in such study strategies as note-taking and test-taking. Major emphasis is placed on preparing students for academic success. Both personalized and cooperative instruction techniques are employed.

LTED 102 Critical and Efficient Reading (3 Credits)
This course helps students develop critical reading-thinking skills in order to analyze and evaluate printed materials encountered in an academic setting. Personalized and group instruction techniques are employed in this course.

LTED 109 Learning Strategies (3 Credits)
This course offers strategies for systematic study in particular academic disciplines. There is a focus on addressing the needs of individual students enrolled in a paired core course.

LTED 160 Languages of Power and Social Justice (3 Credits)
How does academic language provide opportunities for socioeconomic mobility? Students will investigate specific ways in which languages used in different academic disciplines can either limit or broaden prospects for advancement.

LTED 205 Contemporary Literacies: Issues in American Society (3 Credits)
This course focuses on interconnected topics in contemporary culture centered around types of literature. A variety of literacy's examined in the class range from media to informational to scientific literacy's. Students will use the lens of literacy to analyze and think critically about the world and their roles in it.

LTED 230 Focus: Reading Language & Literacy (3 Credits)
This course is designed to introduce all students seeking teaching certification to the concepts of contemporary literacy and literacy instruction including literacy in the workplace and the community at large. Particular attention is devoted, however, to literacy and language arts education in the school, grades pre K-12, proceeding from understanding of the reading process to cognitive-linguistic bases and to the concepts and tasks involved in literacy instruction in grades pre K-12.

LTED 235 Focus: Foundations of Literacy (K-6) (3 Credits)
This course is designed to introduce students seeking teaching certification to the concepts of literacy education, including scientifically-based reading research, assessment, early literacy development, writing process, motivation and the theoretical framework underlying literacy development.

LTED 236 Literacy Instruction and Strategies (K-6) (3 Credits)
This course is designed to introduce students seeking teaching certification to the concepts of literacy education, including scientifically-based reading research, assessment, early literacy development, writing process, motivation and the theoretical framework underlying literacy development.

LTED 270 Emerging Literacy at Home & School (3 Credits)
This course is part of the process of developing an early childhood professional who is a reflective practitioner in an urban environment. The focus of this course is on examining the theories and practices that shape early childhood literacy development and instruction. Topics include language development, emergent literacy, family literacy and its relationship to children, and family and school working together. Strategies for developing concepts about print, phonemic awareness, acquisiton of work meaning, and connecting reading and writing will be addressed.
Pre-Requisite(s): 2.75 CGPA

LTED 305 Literacy Workshop For Pre-Service Teachers (3 Credits)
This intensive and integrated reading/writing workshop is designed to provide enhancement of literacy skills for pre-service teachers and to offer review and preparation for the National Teacher Examination (NTE/PRAXIS).

LTED 307 Nature of Reading Disabilities (3 Credits)
This course is designed for special education majors to provide a workshop of literacy education as it relates to individuals or students with disabilities. Areas of emphasis include: methods of diagnosis and assessment, strategies for teaching literal/interpretive/evaluative comprehension, word recognition, word meaning and concepts, the reading-writing connection, methods for infusing reading across the curriculum, and the characteristics of effective literacy teaching and learning. Emphasis is placed on literacy in the inclusive classroom.
Pre-Requisite(s): 3.00 CGPA, LTED 270 for ECE Majors and LTED 330 for Elementary/Secondary Majors, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

LTED 350 Early Childhood Reading & Language (2 Credits)
This course is offered to students seeking early childhood teaching certification. It focuses on how literacy begins and develops in infancy through grade three, addressing the influences of the home as well as the school. Emergent literacy and the role of the home, parents and day care programs are analyzed in depth. In addition, classroom organization, special learning needs, diagnosis, and evaluation techniques are addressed.
Pre-Requisite(s): 3.00 CGPA, LTED 270 and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

LTED 360 Elementary Reading & Language Workshop (2 Credits)
This course is offered to students seeking elementary teaching certification. It focuses on how literacy develops, addressing the influences of the home as well as the school. Requisites for reading and language arts instruction are analyzed, and the goals and organization of elementary reading and language arts programs are reviewed. Strategies to promote interest and independence in reading, as well as methodology for developing language/communication/reading skills are presented. The use of Basal readers and other developmental approaches are presented. Methods for elementary classroom organization and the special needs of urban children are addressed. In addition, evaluation and diagnostic techniques are analyzed.
Pre-Requisite(s): 3.00 CGPA, LTED 330 and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

LTED 370 Secondary:Reading & Language Workshop (2 Credits)
This course, which is required for students seeking certification in a secondary content area, focuses on the utilization of various learning and instructional strategies to improve literacy across the curriculum. Among the topics explored are: vocabulary, comprehension and study skills, strategies for content reading, critical thinking, selecting, textbooks, thematic instruction, integrated instruction, schema development and writing across the curriculum.
Pre-Requisite(s): 3.00 CGPA, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

LTED 380 Going Public: Literacy and the History of American Education (3 Credits)
This course will explore history of public school education in the United States. It will cover aspects related to race, ethnicity, and culture. K-12 public education will be the primary focus with topics including desegregation, standardized testing, and multicultural pedagogy, the teacher's role and experience, and significant historical events in education.
Pre-Requisite(s): 8 Gen Ed Courses across Tier 1 and Tier 2.

LTED 435 Summer Reading Conference (1 Credit)
Students hear and interact with outstanding or nationally known speakers who will address current issues, activities and theories on the teaching of reading or other related literacy elements.

LTED 436 Summer Reading Conference (1 Credit)
Students hear and interact with outstanding or nationally known speakers who will address current issues, activities and theories on the teaching of reading or other related literacy elements.

LTED 510 Professional Practice in Schools I (3 Credits)
This course examines current and emerging topics and trends impacting education. Topics are categorized under five perennial themes in education: (1) Teaching and Learning, (2) Curriculum and Pedagogy, (3) Cultural Literacy, (4) Technology, and (5) Policy and Reform. Specific topics beneath these headings will be dependent upon student interests and current national trends. Emphasis will be on developing, analyzing, and clarifying understandings of extant research and practices as they are observed in students' field-based placements.

LTED 512 Teaching Methods in Economics and Personal Finance for Middle & Secondary Teachers (3 Credits)
This course is specifically designed for in-service middle and secondary educators. It will provide educators with the instructional design and pedagogical techniques required to teach financial literacy in an effective and engaging manner to middle & secondary students.

LTED 513 Financial Literacy Practicum (3 Credits)
This course provides students in this course(practicing teachers) with the opportunity to practice teaching financial literacy concepts in their own classrooms. Students will use learned skills to enhance their own students' knowledge base as well as provide models to enhance district curriculum. This upper level practicum course will be the culminating experience for those seeking the 12-credit Financial Literacy certification.
Pre-requisite(s): FINC 671, FINC 519 and LTED 512.

LTED 515 Professional Practice in Schools II (3 Credits)
This course examines and builds upon current and emerging topics and trends impacting education. Topics are categorized under five perennial themes in education: (1) Teaching and Learning (including a focus on strategies and theories for classroom management), (2) Curriculum and Pedagogy (with special attention to data-based assessment to inform instruction), (3) Cultural Literacy, (4) Technology, and (5) Policy and Reform. Specific topics beneath these headings will be dependent upon student interests and current national trends. Emphasis will be on developing, analyzing, and clarifying understandings of extant research and practices as they are observed in students' field-based placements.

LTED 520 Professional Practice in Schools III (3 Credits)
This course examines current and builds upon emerging topics and trends impacting education. Topics are categorized under five perennial themes in education: (1) Teaching and Learning (including a focus on strategies and theories for classroom management), (2) Curriculum and Pedagogy (with special attention to data-based assessment to inform instruction), (3) Cultural Literacy, (4) Technology, and (5) Policy and Reform. Specific topics beneath these headings will be dependent upon student interests and current national trends. Emphasis will be on developing, analyzing, and clarifying understandings of extant research and practices as they are observed in students' field-based placements.

LTED 525 Professional Practice in Schools IV (3 Credits)
This course examines current and builds upon emerging topics and trends impacting education. Topics are categorized under five perennial themes in education: (1) Teaching and Learning (including a focus on strategies and theories for classroom management), (2) Curriculum and Pedagogy (with special attention to data-based assessment to inform instruction), (3) Cultural Literacy, (4) Technology, and (5) Policy and Reform. Specific topics beneath these headings will be dependent upon student interests and current national trends. Emphasis will be on developing, analyzing, and clarifying understandings of extant research and practices as they are observed in students' field-based placements.

LTED 530 Professional Practice in Schools V (3 Credits)
This culminating course examines current and continues to build upon emerging topics and trends impacting education. Topics are categorized under five perennial themes in education: (1) Teaching and Learning (including a focus on strategies and theories for classroom management), (2) Curriculum and Pedagogy (with special attention to data-based assessment to inform instruction), (3) Cultural Literacy, (4) Technology, and (5) Policy and Reform. Specific topics beneath these headings will be dependent upon student interests and current national trends. Emphasis will be on developing, analyzing, and clarifying understandings of extant research and practices as they are observed in students' field-based placements.

LTED 595 Reading in the Content Areas (3 Credits)
This is an undergraduate/graduate level course in methods for teaching content area reading and writing at the K-6 level. Many students today lack the necessary skills to gain information from the texts they read as well as the ability to communicate what they have learned through writing. The purpose of this course is to help pre-service teachers develop an understanding of the most effective research-based comprehension and writing strategies and how they are applied in classroom settings.

Early Childhood Education (ECE)

ECE 1XX Early Childhood Education Transfer Credit (0 Credits)

ECE 2XX Early Childhood Education Transfer Credit (0 Credits)

ECE 200 Introduction to Early Childhood Education (3 Credits)
This course has as its focus the social, historical, political, legal, and philosophical constructs that impact upon young children, families and communities. Candidates examine the role of the community and family in the developmental process and education of the young children (birth through eight years) through field visits to community-based early childhood programs. Linkages are established with community resources. Candidates develop a personal philosophy of education and code of professional ethical conduct.
Pre-Requisite(s): 3.00 CGPA

ECE 210 Young Children's Development Behavior & Learning (3 Credits)
This courses emphasizes the practical applications of the cognitive, linguistic, social, emotional and physical factors that affect learning, development, and behavior in children from birth through age 8. Candidates will examine the value of play as a mode of lerarning in the young child and apply the integration of play in early childhood practice. Candidates will interpret, develop and apply assessment that is multidimensional, ongoing and performance-based. Reflection on knowledge of theories and research in human growth to make instructional choices is emphasized.
Pre-requisite: 3.00 CGPA

ECE 212 Human Development: Prenatal through Adolescence (3 Credits)
Students will learn about development from the prenatal period through adolescence. The course will highlight developmental theories and current perspectives as they relate to social-emotional, cognitive, physical, and normal development and a variety of factors influencing development and learning.

ECE 215 Introductory Field Work 1 (1 Credit)
This course is the field work component for ECE 200 and provides an introduction to working with young children for students seeking P-3 (Preschool through 3rd Grade) certification. Students will work for 75 hours over the course of the semester in various types of placements serving this early childhood population.
Pre-Requisite(s): GPA 3.00

ECE 220 Introductory Field Work II (1 Credit)
This course is the field work component for ECE 210 and provides an opportunity for students to focus on the behavior, development, and learning of children, birth through age 8. In addition, it provides a laboratory for students to interpret, develop, and apply assessment to specific children with an early childhood setting.
Pre-Requisite(s): 2.75 GPA equal to or greater

ECE 225 Professional Dispositions in Urban Early Childhood Education (1 Credit)
This course introduces students to dispositions expected of all early childhood educational professionals. Topics include personal characteristics and habits of individuals working with young children, ethics in ECE, professional networking, and commitment to and advocacy for urban children and families. The course is taken prior to the fourth phase of the ECE program.
Pre-Requisite(s): GPA 3.00

ECE 300 Early Primary Curriculum grades 1-3: Methods of Content Delivery (3 Credits)
Strengthening teacher candidates' understanding of content knowledge and proficiency in methods of instruction to children in grades 1-3. This course provides tools necessary for becoming a reflective early childhood practitioner in urban and inclusive environment. Reflection on developmentally appropriate methods of teaching in all types of learning environment is emphasized.
Pre-Requisite(s): 3.00 GPA equal to or greater and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

ECE 305 Math, Science and Technology in Early Childhood Education (3 Credits)
This course is a study of theory into practice, research-based teaching practices, methods, modifications and strategies in mathematics, science and technology. Emphasis is placed on the development and implementation of developmentally appropriate practice and instructional materials in urban and inclusive environments.
Pre-Requisite(s): Phase I, Phase II, and CGPA 3.00 or Higher

ECE 310 Social and Emotional Development: Infant Mental Health for Practitioners (3 Credits)
The course will explore social/emotional development for infants and toddlers. Focus will be on brain development and/other relevant development theories and how social-emotional development occurs and is supported. Particular attention will be paid to the importance of adult-child interaction and the use of developmentally appropriate practice in this process.
Pre-Requisite(s): PSYC 150 and ECE 200

ECE 315 Infants and Toddlers: Curriculum and Programs (3 Credits)
In this course students will learn about developmentally appropriate curriculum, materials, guidance and teaching practices that can be used in infants and toddlers settings. This course will emphasize the interrelationship of emotional, social, cognitive, physical, and language development of infants and toddlers and the importance of family involvement.
Pre-Requisite(s): ECE 200, 210 and 225

ECE 325 Supervised Field Work in Infant and Toddler Settings (3 Credits)
This field experience focuses on quality interaction in infant/toddler settings. This experience emphasizes the planning, implementation and developmentally appropriate care and education of infants and toddlers in group settings.
Pre-Requisite(s): ECE 310 Social and Emotional Development: Infant Mental Health for Practitioners.

ECE 331 ECE Clinical Practice I (2 Credits)
This field experience is designed to increase the teacher candidate's ability to glean information relevant to instruction directly from student work, to prepare lesson plans for all types of students, to assess students' strengths, and to relate classroom practice to student outcomes in early childhood/elementary/inclusive settings.
Pre-requisite: 3.00 CGPA, Department Consent, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

ECE 350 Early Childhood Integrated Curriculum (3 Credits)
In this course students design integrated, developmentally appropriate curriculum for children in early childhood/inclusion settings. The student is guided by a model that promotes the physical, social, emotional and cognitive development of young children by providing opportunities to construct knowledge through active interaction with their physical and social environments.
Pre-Requisite(s): 3.00 CGPA and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

ECE 351 Early Childhood Inquiry Curriculum Workshop (4 Credits)
Offered Spring Semester Only This course stresses the integration of concepts, process and relationships in the areas of math, science and social studies. Course work emphasizes hands-on, concrete and relevant experiences to help children develop an understanding of the physical world and develop skills of inquiry, such as interpreting, reasoning, and problem-solving skills. Assignments, class discussions, activities and lectures are designed to enhance the knowledge and skills of the education candidate and to produce reflective urban practitioners. Special attention is devoted to the delivery of developmentally appropriate teaching and evaluation strategies. Students gain a practical hands-on experience in using current computer technology in the classroom.
Pre-Requisite(s): 3.00 CGPA

ECE 352 Early Childhood Creative Curriculum Workshop (2 Credits)
Offered Spring Semester Only This course explores the creative process as it relates to music, movement and art curriculum for children. Knowing about the nature of the children's art, children's musical abilities, movement possibilities and aesthetics, provides the student systematic ways to maximize creative expression, responsible freedom, decision making, and discovery for children. The arts also provide opportunities for children to develop cross cultural understanding. Students gain a practical hands-on experience in using current computer technology in the classroom.
Pre-Requisite(s): 3.00 CGPA

ECE 400 Classroom Management, Classroom Behavior and Positive Behavior Supports (3 Credits)
This course is an introduction to Pre K-3 classroom management techniques and behavior management. Topics include: physical space, procedures, rules, positive behavior support, technology, special conditions, and interventions.
Pre-Requisite(s): Phase I, II, and III
Co-Requisite(s): Internship, Internship Seminar in Phase IV and 3.00 CGPA

ECE 460 Working with Families of Young Children (3 Credits)
This course examines the contemporary families with young children and helps the student to develop the skills needed to create positive working relationships and to promote the social, emotional, and academic growth of children. Diversity (cultural, racial, economic, religious, special needs and family structure) is addressed throughout the course.
Pre-Requisite(s): 3.00 CGPA and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

ECE 470 ECE SPEC Clinical Practice II (8 Credits)
Teacher candidates experience a semester internship assigned to a local early childhood special education setting under the supervision of a cooperating teacher and university supervisor. The candidate assumes full responsibility of the classroom, including planning and assessment of student learning, implementing appropriate instructional strategies and conferencing with parents and interdisciplinary teams.
Pre-Requisite(s): Completion of Phase III, 3.0 CGPA, Passing Score of ECE Praxis Content Knowledge Test.

ECE 475 Reflecting on Knowledge & Practice (3 Credits)
This seminar will help candidates reflect on and improve three dimensions of their teaching: Planning, Instruction, and Assessment. Teacher candidates will develop a portfolio with lesson plans, artifacts from their teaching experience, supporting audio-visual examples of their instruction, and comprehensive well-written commentaries.
Pre-Requisite(s): 3.00 CGPA and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)and Co-Requisite: ECE 400, ECE 470, or ECE 1480.
Co-Requisite: ECE 400, ECE 470, or ECE 1480.

ECE 500 Early Childhood Classroom Management (1 Credit)
This course addresses classroom management in settings that serve children from birth through third grade. Using the Reflective Urban Practitioner Model, the course content covers establishing a positive social climate, designing appropriate physical environments, establishing classroom rules and routines, and discussing techniques for handling challenging behaviors. As candidates explore the elements of classroom management, they reflect on what they also learned about classroom management in their previous field experiences.
UG Pre-Requisite(s): 3.00 CGPA and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

ECE 1450 Classroom Management Early Childhood Education (1 Credit)
Pre-Requisite(s): 3.00 CGPA

ECE 1470 Internship Seminar-Early Childhood Education (2 Credits)
Pre-Requisite(s): 3.00 CGPA

ECE 1480 ECE Clinical Practice II (8 Credits)
As a course in the undergraduate early childhood program, ECE 1480 is part of the process of developing an educator who is a reflective practitioner in an urban environment. Candidates experience a field-based, full-time, full-semester internship assigned to local early childhood settings.
Pre-Requisite(s): 3.00 CGPA, Department Consent, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

Secondary Education with K-12 Certification (with major in Arts and Sciences)

Professional Studies Building, Room 345
201-200-3081

Completion of this major prepares educators to work with children in the middle and secondary grades in specific content areas, making them eligible for Teacher Certificate of Eligibility with Advanced Standing (CEAS). Candidates for this certification must also complete a co-major offered by the William J. Maxwell College of Arts and Sciences.

This program offers:

- classes with an increased focus on literacy in all content areas and developing quality teacher candidates who can effectively implement literacy-driven instruction to middle and secondary students
- the inclusion of a paid teacher intern program for all students
- an intentional, directed focus on the teacher as a lifelong learner through comprehensive professional development

NJCU is fully accredited by the Middle States Association of Colleges and Secondary Schools. NJCU Education programs are accredited both by the Council for the Accreditation of Teacher Preparation (CAEP) and the New Jersey State Department of Education.

Minimum Grade Requirements

- A minimum cumulative grade point average of 3.00 is required for program completion.

Total Credit Hours: 40

THE REQUIREMENTS FOR ADMISSION TO THIS CONCENTRATION ARE:

- A minimum cumulative undergraduate grade point average (CGPA) of 3.0.
- A minimum of B- or better on all education courses

THE REQUIREMENTS FOR COMPLETION OF THIS DEGREE TRACK ARE:

- Completion of NJCU General Education requirements or equivalent
- Successful completion of major in intended content area
- Passing scores on appropriate Praxis II Exam(s)
- A minimum cumulative GPA of 3.0
- Completion of clinical experience and clinical practice (student teaching)
- Students will be required to complete a sequence of 50 observation hours in Phase I as per New Jersey Department of Education guidelines

Note: For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Code	Title	Credits
Required Courses (Prerequisites: See EDU advisor for options):		
BIOL 106	Practical Nutrition	3
or BIOL 224	The Human Body	
or BIOL 225	Human Sexual Biology	
MATH 215	Problem Solving in Mathematics	3
or MATH 140	Statistics I	
Secondary Education Requirements		
Phase I		
EDU 280	Challenges in Urban Education	3
LTED 230	Focus: Reading Language & Literacy	3
SPEC 250	Psychological & Educational Needs of the Exceptional Child	3
Phase II		
EDU 315	Differentiating Instruction:Mtng Needs of Urban Stdnts from Cultrly,Ling.,&Academic Diverse Bckgrnds	3
EDU 330	Focus: Development, Behavior and Learning	3
Phase III		
EDU 331	Clinical Practice I	2
LTED 370	Secondary:Reading & Language Workshop	2
Check with your advisor for the required methods course from list below:		
EDU 1372	Methods and Materials of Teaching English in Middle and Secondary Schools	3
EDU 2372	Methods and Materials of Teaching Mathematics in Middle and Secondary Schools	3
EDU 3372	Methods and Materials of Teaching Science in Middle and Secondary Schools	3
EDU 4372	Methods and Materials of Teaching in Social Studies in Middle and Secondary Schools	3
Phase IV		
EDU 470	Concurrent Student Teaching Seminar	2
EDU 480	Clinical Practice II	8
EDU 485	Classroom Management and Assessment Internship Seminar	2

Freshman		
Semester 1		**Credits**
MATH 215	Problem Solving in Mathematics	3
BIOL 225 or BIOL 224	Human Sexual Biology or The Human Body	3
	Credits	**6**
Sophomore		
Semester 1		
EDU 280	Challenges in Urban Education	3
LTED 230	Focus: Reading Language & Literacy	3
EDU 330	Focus: Development, Behavior and Learning	3
SPEC 250	Psychological & Educational Needs of the Exceptional Child	3
	Credits	**12**
Senior		
Semester 1		
EDU 315	Differentiating Instruction:Mtng Needs of Urban Stdnts from Cultrly,Ling.,&Academic Diverse Bckgrnds	3
EDU 331	Clinical Practice I	2
LTED 370	Secondary:Reading & Language Workshop	2
EDU Methods course		3
	Credits	**10**
Semester 2		
EDU 470	Concurrent Student Teaching Seminar	2
EDU 480	Clinical Practice II	8

EDU 485	Classroom Management and Assessment Internship Seminar	2
	Credits	**12**
	Total Credits	**40**

Student Learning Outcomes

Upon completion of the Secondary Education program, we make the following claims:

1. Our candidates demonstrate mastery of the subject matter they plan to teach.
2. Our candidates demonstrate their pedagogical knowledge, integrating their understanding of their pupils' developmental levels, individual differences, learning exceptionalities, and sociocultural backgrounds.
3. Our candidates demonstrate effective instruction, caring behavior, and reflection to improve practice.
4. Our candidates know and value how individuals are shaped by their life experiences as mediated by factors such as social class, gender, race, ethnicity, language, sexual orientation, age, and social needs. Our candidates know, value, and engage in culturally responsive teaching to promote social justice, particularly in our urban areas.
5. Our candidates are able to use appropriate technology in carrying out their professional responsibilities.

Elementary Education (K-6) with Literacy Focus, BA*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

Completion of this major prepares educators to work with children from kindergarten through grade six and be eligible to obtain the Elementary Teacher Certificate of Eligibility with Advanced Standing (CEAS). Candidates for this certification are strongly encouraged to complete a co-major offered by the William J. Maxwell College of Arts and Sciences.

This program offers:

- classes with an increased focus on literacy and developing quality teacher candidates who can effectively implement literacy-driven instruction to K-6 students in all elementary content areas
- a paid teacher intern program for all students
- an intentional, directed focus on the teacher as a lifelong learner through comprehensive professional development

NJCU is fully accredited by the Middle States Association of Colleges and Secondary Schools. NJCU Education programs are accredited both by the Council for the Accreditation of Teacher Preparation (CAEP) and the New Jersey State Department of Education.

THE REQUIREMENTS FOR ADMISSION TO THIS CONCENTRATION ARE:

- A minimum cumulative undergraduate grade point average (CGPA) of 3.0.
- A minimum of B- or better on all education courses

THE REQUIREMENTS FOR COMPLETION OF THIS DEGREE TRACK ARE:

- Completion of NJCU General Education requirements or equivalent
- Successful completion of all education coursework
- Successful completion of 60 liberal arts credits with at least 30 credits in English, mathematics, science, and history/social studies OR completion of a liberal arts co-major
- Passing scores on appropriate Praxis II Exams
- A minimum cumulative GPA of 3.0
- Successful completion of Clinical Practice I and II

Note: For the most updated information on this teaching certification program, students are directed to contact Dr. Michelle Rosen, Chairperson of the department, as changes may have occurred since publication.

Additional instructional endorsements are available in middle school content areas (grades 6-8), ESL, and/or bilingual education. (Additional coursework required; speak with an advisor for details.)

Minimum Grade Requirements

- A minimum cumulative grade point average of 3.00 is required for program completion.

Total Credit Hours: 39

All candidates will complete a bachelor's degree with a cumulative 3.0 cumulative GPA or higher and either a co-major in the College of Arts & Sciences or 30 credits in English, Math, History/Social Studies, and Science. Candidates can take additional courses to earn endorsements in ESL and/or Bilingual/Bicultural Education.

Code	Title	Credits
Required Education Courses		
Phase I		
EDU 280	Challenges in Urban Education	3
LTED 235	Focus: Foundations of Literacy (K-6)	3
SPEC 250	Psychological & Educational Needs of the Exceptional Child	3
Phase II		
LTED 236	Literacy Instruction and Strategies (K-6)	3
EDU 563	Methods for Teaching Mathematics in the Primary Grades K-2	3
Phase III		
EDU 564	Methods for Teaching Mathematics in the Primary Grades 3-6	3
EDU 315	Differentiating Instruction:Mtng Needs of Urban Stdnts from Cultrly,Ling.,&Academic Diverse Bckgrnds	3
EDU 331	Clinical Practice I	2
LTED 595	Reading in the Content Areas	3
Phase IV		
EDTC 310	Teaching and Learning With Technology	3
EDU 470	Concurrent Student Teaching Seminar	2
EDU 480	Clinical Practice II	8

Optional		
SPFD 426	Cooperative Education and Internship - College of Education (2 credits)	2
LTED 510	Professional Practice in Schools I	3

Code	Title	Credits
ESL Endorsement (Optional)		
MCC 427	Historical and Cultural Background of Limited English Proficient Students	3
MCC 403	Applied Linguistics	3
MCC 404	Phonology & Structure of American English	3
MCC 455	Methods of Teaching English as a Second Language	3
MCC 417	Field Experience in Bilingual/Multicultural Education	3

Code	Title	Credits
Bilingual/Bicultural Education Endorsement (Optional)		
MCC 427	Historical and Cultural Background of Limited English Proficient Students	3
MCC 403	Applied Linguistics	3
MCC 405	Introduction to Bilingual/Bicultural Education	3
MCC 407	Teaching Bilingual Children Content Area	3

Code	Title	Credits
ESL & Bilingual/Bicultural Education Endorsement (Optional)		
MCC 427	Historical and Cultural Background of Limited English Proficient Students	3
MCC 405	Introduction to Bilingual/Bicultural Education	3
MCC 403	Applied Linguistics	3
MCC 404	Phonology & Structure of American English	3
MCC 407	Teaching Bilingual Children Content Area	3
MCC 417	Field Experience in Bilingual/Multicultural Education	3
MCC 455	Methods of Teaching English as a Second Language	3

Freshman		
Semester 1		**Credits**
PSYC 150	Developmental: Birth Through Adolescence	3
	Credits	**3**
Semester 2		
BIOL 224 or BIOL 225	The Human Body or Human Sexual Biology	3
	Credits	**3**
Sophomore		
Semester 1		
SPFD 426	Cooperative Education and Internship - College of Education (2 credits) (or elective course)	2
	Credits	**2**
Semester 2		
SPFD 426	Cooperative Education and Internship - College of Education (2 credits) (or elective course)	2
	Credits	**2**
Junior		
Semester 1		
EDU 280	Challenges in Urban Education	3
SPEC 250	Psychological & Educational Needs of the Exceptional Child	3
LTED 235	Focus: Foundations of Literacy (K-6)	3
SPFD 426	Cooperative Education and Internship - College of Education (2 credits) (or elective course)	2
	Credits	**11**
Semester 2		
LTED 236	Literacy Instruction and Strategies (K-6)	3
SPFD 426	Cooperative Education and Internship - College of Education (2 credits) (or elective course)	2
EDU 563	Methods for Teaching Mathematics in the Primary Grades K-2	3
	Credits	**8**
Senior		
Semester 1		
EDU 315	Differentiating Instruction:Mtng Needs of Urban Stdnts from Cultrly,Ling.,&Academic Diverse Bckgrnds	3
EDU 331	Clinical Practice I	2
LTED 595	Reading in the Content Areas	3
EDU 564	Methods for Teaching Mathematics in the Primary Grades 3-6	3
	Credits	**11**
Semester 2		
EDU 480	Clinical Practice II	8
EDU 470	Concurrent Student Teaching Seminar	2
EDTC 310	Teaching and Learning With Technology	3
	Credits	**13**
	Total Credits	**53**

The College of Education is dedicated to the belief that education is transformative and empowering and that social justice can best be accomplished through an educated citizenry.

- Our candidates demonstrate mastery of the subject matter they plan to teach.
- Our candidates demonstrate their pedagogical knowledge, integrating their understanding of their pupils' developmental levels, individual differences, learning exceptionalities, and sociocultural backgrounds.
- Our candidates demonstrate effective instruction, caring behavior, and reflection to improve practice.
- Our candidates know and value how individuals are shaped by their life experiences as mediated by factors such as social class, gender, race, ethnicity, language, sexual orientation, age, and social needs.

Our candidates know, value, and engage in culturally responsive teaching to promote social justice, particularly in our urban areas.

- Our candidates are able to use appropriate technology in carrying out their professional responsibilities

In addition, the program satisfies the following Middle States student learning outcomes:

- Critical Reasoning and Research Skills
- Written and Oral Communication
- Information Literacy Skills
- Technology Fluency

Special Education

Education and Professional Studies Building, Room 350
Office: 201-200-3023
or
Google voice: 609-379-2491

The Special Education Department (https://www.njcu.edu/academics/schools-colleges/deborah-cannon-partridge-wolfe-college-education/departments/special-education) offers course work leading to an endorsement of Teacher of Students with Disabilities, Certificate of Eligibility with Advanced Standing. This coursework must be completed along with degree requirements for certification in Elementary Education. Graduates of the Special Education Department become capable teachers who believe in the transformative power of an outstanding education. We prepare distinguished educators who work with students with physical, communicative, cognitive, behavioral and specific learning disabilities.

Carol Fleres, Co-Chairperson (cfleres@njcu.edu)
Professor of Special Education
Hunter College, B.A., University of South Florida, M.A., University of South Carolina, Ph.D.

Charles Reid Taylor, Co-Chairperson (rtaylor@njcu.edu)
Associate Professor of Special Education
New Jersey City University, B.A.; Seton Hall University, M.A.; New York University, Ph.D.

Arlene Bloom (abloom@njcu.edu)
Associate Professor of Elementary and Secondary Education and Special Education
Brooklyn College, B.S., M.S.; Rutgers University, Ed.D.

Helen Friedland (hfriedland@njcu.edu)
Associate Professor of Special Education
Hunter College, B.A.; City University of New York, M.S.; Teachers College, Columbia University, M.Ed., Ed.D.

Zandile Nkabinde (znkabinde@njcu.edu)
Associate Professor of Special Education
University of Zululand, B.Ed.; Harvard University, M.Ed., University of Utah, Ph.D.

Special Education (SPEC)

SPEC 1XX Special Education Transfer Credit (0 Credits)

SPEC 2XX Special Education Transfer Credit (0 Credits)

SPEC 210 Communication Disorders in Children (3 Credits)
This course studies functional speech and communication problems, their nature and causes, diagnostic and therapeutic procedures and materials for the more common communication disorders. Emphasis is placed on speech and language development, articulation problems, and stuttering.

SPEC 250 Psychological & Educational Needs of the Exceptional Child (3 Credits)
This course is an overview of the needs of exceptional children. The course focuses on the identification of handicaps and the use of individual and group processes for children having hearing losses, visual problems, speech disorders, emotional-social handicaps, and intellectual deviations. It is strongly recommended that students begin the special education program with this course.

SPEC 251 Introduction Field Experience (1 Credit)
This course includes a minimum of 50 hours of field experience in schools and/or agencies working with children or adults with disabilities or 40 hours of field experience and 10 hours of video analysis. The field experience occurs in partnership districts and/or community agencies. Candidates will document their experiences.
Co-Requisite(s): SPEC 250

SPEC 301 Field Observation and Participation with Exceptional Children (3 Credits)
This course provides a field experience with exceptional children. Permission from the department chairperson is required to register for this course.

SPEC 312 Speech Pathology (3 Credits)

SPEC 314 Anatomy & Physiology of Speech & Hearing Mechanics (3 Credits)

SPEC 315 Psychoeducational Assessment of Special Education (3 Credits)
This course includes presentation, demonstration, and interpretation of techniques of individual psychological examination of exceptional children and youth. The course also discusses various standardized and teacher-made instruments for evaluating the intellectual, perceptual, social and emotional competence of handicapped children, and necessary adaptations for the various types of handicaps.
Pre-Requisite(s): 3.00 CGPA

SPEC 320 Educational Needs of the Preschool Handicapped Child (3 Credits)
This course is intended to orient the prospective special education teacher to young children with special needs. Curriculum considerations, the role of parents in the education of their handicapped child, an understanding of child development and deviations from the norm and individualized educational planning are topical areas. Goals of the course are to provide students with competencies in observation, prescriptive teaching, and in improving communication with parents of children with special needs.
Pre-Requisite(s): 3.00 CGPA

SPEC 325 Remediation in Basic Skills (3 Credits)
This course is an overview of diagnostic teaching techniques. By employing diagnostic skills, various remediation techniques are covered. Curriculum materials, teaching methods and equipment, educational kits, etc. are introduced.
Pre-Requisite(s): 3.00 CGPA, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

SPEC 330 Teaching Students with Significant Intellectual and Developmental Disabilities (3 Credits)
This course is an introduction to teaching students with significant intellectual and moderate to severe developmental disabilities. It includes biological, sociological, and psychological theories and research. Evidence-based practices in teaching techniques are presented.
Pre-Requisite(s): 3.00 CGPA, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

SPEC 340 Behavioral Handicaps in Children (3 Credits)
This course is an in-depth consideration of the nature and needs of children with behavioral handicaps. This course deals with problems of etiology, classification, and educational management of the broad spectrum of emotional and social maladjustment. Special reference is made to the problems of children who require special education services. Fieldwork participation is an integral part of the course.
Pre-Requisite(s): 3.00 CGPA and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

SPEC 350 Psychology and Educational Needs of the Learning Disabled (3 Credits)
This course covers etiology, types, associated handicapping conditions, suggested procedures for evaluating levels of disabilities, and suggested procedures for dealing with these disabilities.
Pre-Requisite(s): 3.00 CGPA, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

SPEC 351 Methods for Teaching the Physically and Multiple Handicapped (3 Credits)
This course orients the student to methods, materials and program planning for teaching the special education child who is orthopedically handicapped. This course also covers causes of this type of handicap, such as cerebral palsy, muscular dystrophy, spinal bifida, and other disorders.
Pre-Requisite(s): 3.00 CGPA

SPEC 352 Clinical Experience in Inclusive Education I (1 Credit)
This course includes 175 hours of observing and assisting with student learning involving students with and without disabilities (one and a half full days per week). Candidates connect theory to practice, engaging in increasingly responsible, relevant school-based work that emphasizes inclusive education and occurs over a variety of settings.

SPEC 359 Infant Stimulation Programs for Special Needs Children (3 Credits)
Course is intended to prepare prospective special education teachers and other child care workers to be competent in working with infants (ages birth through 2 years). Major goals of the course will be to provide a background of normal infant development and to enable the student to become knowledgeable about stimulation activities applicable to the special needs infant at appropriate development levels. These activities will provide for enhancing the physical, social and intellectual development of the infant child.

SPEC 373 Advanced Techniques in Behavioral Principles and Procedures (3 Credits)
This course provides training in behavioral principles and procedures with application activities in ethics, observation and data collection, skill acquisition planning and procedures, and behavior reduction plans and procedures. Readings from relevant journals, textbooks, web sites and participation in weekly applied assignments with supporting documentation is included. Coursework is based on the Behavior Analyst Certified Board (BACB) Registered Behavior Technician (RBT) 2nd Edition Task List and is designed to meet or exceed the training requirement for the Registered Behavior Technician (RBT) credential. The program is offered by NJCU and is independent of the Behavior Analyst Certification Board.

SPEC 400 Community Agencies and Resources Serving Children with Disabilities (3 Credits)
This course is a study of counseling and guidance for teachers of children with disabilities, with emphasis on the development of knowledge and skills in the techniques of vocational counseling. A study of resources and agencies providing service to persons with disabilities is also considered.
Pre-Requisite(s): 3.00 CGPA

SPEC 403 Special Education, South Africa Field Study (3 Credits)
The role of education in social change: The case of South Africa seeks to provide students with first-hand experience of the South African Educational system. This course requires students to visit and teach in South African schools for 4 days based on pre-prepared lessons revised to suit the children in their placements. Students are expected to observe, interview their South African counterparts, and reflect on their intercultural teaching and learning experience. (Travel plans to be arranged)

SPEC 405 Computer Application Spec. Edu (3 Credits)
This course is designed to familiarize the teacher candidate with the many and varied uses of computer technology in special education. Areas covered include computer technology in the classroom and adaptive and augmentative communication for individuals with disabilities.
Pre-Requisite(s): 3.00 CGPA, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

SPEC 409 Field Internship in Special Education (8 Credits)
This course is a full-semester experience, teaching special education students in a public or private school setting, under the supervision of college instructors.
Pre-Requisite(s): SPEC 352 and CGPA 3.00.

SPEC 414 Student Teaching Seminar in Special Education (1 Credit)
This seminar is designed to accompany student teaching. Its purpose is to allow sharing of information and experiences for those teacher candidates going through the student teaching process.
Pre-Requisite(s): Permission of Advisor and 3.00 CGPA.

SPEC 417 Field Experience I and Seminar in Bilingual/ESL Special Education in Multicultural Inclusion Setting (3 Credits)

SPEC 499 Supervised Independent Study Special Education (1 Credit)
To offer students the opportunity to study in a specialized or specific area of special education for the purpose of enriching their professional preparation.

SPEC 504 Introduction to Manual Communications (3 Credits)
This course is intended to orient the prospective special education teacher to an introduction to manual communication. The student is expected to achieve an understanding of the rationale for considering manual communication techniques for hearing impaired individuals and other handicapped individuals. The course explores the use of auditory training, speech reading and a variety of manual communication procedures. A rudimentary proficiency in the skill of communicating manually is a prime goal of this course.

SPEC 505 Working with Families of Students with Disabilities (3 Credits)
This course covers values, traditions, and experiences of families from a variety of racial and socioeconomic groups and how cultural/racial differences may enhance educator-parent communication. Candidates learn to effectively support parents in managing their children and youth in home and community while empowering parents to advocate for them at school.

SPEC 506 Multicultural Education for Special Education (3 Credits)
This course deals with issues that impact inclusive education in an urban milieu. It reviews ethnic and socioeconomic issues which impact a student and his or her family's ability to function adequately in an urban educational environment. Assessment and instruction in a multi-ethnic environment, are central to the course.

SPEC 508 Helping Exceptional Children and Youth in the Inclusive Classroom (3 Credits)
This course involves the identification of students struggling to learn with and without disabilities. It emphasizes methods that address all learners and includes collaboration with pupil-personnel service providers for the support of students requiring specialized instruction. Special methods and materials for use in general education are explored.
UG Pre-Requisite(s): 3.00 CGPA, and Passing Scores on the Praxis Tests (Core Academic Skills in Reading, Writing and Mathematics)

SPEC 531 Introduction to Early Childhood and Special Education in Multiple Setting (3 Credits)
This course is about inclusion in the lives of young children in multicultural settings and the implications for teachers. Teacher candidates learn the laws that relate to young children classified as disabled or at-risk for developmental delays. Different types of inclusive early childhood programs are presented and examined. Developmental disabilities, sensory impairments, physical disabilities and health problems are studied.

- Certificate in Behavior Management and Introductory Applied Behavior Analysis (p. 206)

Certificate in Behavior Management and Introductory Applied Behavior Analysis

Study of developmental behaviors and challenges in children and youth and evidence based practices that create positive and supportive environments for growth and learning are reviewed. Preparation includes basic principles of applied behavior analysis and is preparatory to the Behavior Analyst Certification Board's examination for Registered Behavior Technician. Evidence based practices that create positive and supportive environments for growth and learning are studied to understand and treat developmental behavioral challenges in children and youth.

This program accepts people with grade point averages of 3.0 and above. It will also accept people with grade point averages as low as 2.70 (GPA) on a case-by-case basis. Successful completion of the program with a cumulative GPA of 3.0 or better in the Certificate in Behavior Management and Introductory Applied Behavior Analysis coursework together with a passing score on the Behavior Analyst Certification Board's examination for Registered Behavior Technician enables the candidate to receive the Certificate. Successful completion of the program permits a person whose GPA in the last degree was less than 3.0 to apply for graduate study in Education or Psychology at New Jersey City University.

Minimum Grade Requirements

- A minimum cumulative grade point average of 3.00 is required for program completion.

Total Credit Hours: 13

Code	Title	Credits
Fall Semester		
SPEC 340	Behavioral Handicaps in Children	3
PSYC 370	Techniques in Behavior Modification	3
Spring Semester		
SPEC 210	Communication Disorders in Children	3
SPEC 373	Advanced Techniques in Behavioral Principles and Procedures	3
SPEC 251	Introduction Field Experience	1
Total Credits		**13**

NOTE: Once the program is started, SPEC251 is offered as needed, not only in spring.

The 13 credit program is NOT a degree program. It is an NJCU Certificate program. Successful program completion requires a GPA of 3.0 or better in the course of study as well as a passing score on the Behavior Analyst Certification Board's Registered Behavior Technician examination.

College of Professional Studies

Professional Studies Building, Room 402
201-200-3321

Dr. Esther Nir (enir@njcu.edu)
Interim Dean

Dr. Manuela Caciula (mcaciula@njcu.edu)
Interim Associate Dean

Samantha Amorino, M.S. (samorino@njcu.edu)
Assistant to the Dean

Theresa Spataro, Ed.M. (tspataro@njcu.edu)
Assistant Director of Student Success

Emily Alequin, MBA, M.S. (ealequin@njcu.edu)
Accreditation and Assessment Specialist

Bernadette Schery, M.S. (bshery1@njcu.edu)
Graduate and Special Programs Advisor

The mission of the College of Professional Studies is to educate individuals from diverse communities to succeed in their professional goals and personal aspirations and to effectively contribute to society. Our engaging learning environment encourages students to become self-

motivated learners who can think analytically, locate resources, solve problems creatively, and master essential technical skills.

The College attracts career-minded students who are eager to learn skills that are most critical to launching or advancing their professional lives, and our learning community welcomes both traditional and non-traditional students. NJCU's urban location is an integral part of the student experience, and is the perfect setting for educating students who will thrive in today's fast-paced world.

Faculty

The CPS faculty are experts in their field of scholarship, commit to a high degree of service to the community, and strive to improve their teaching as new resources, technology, and platforms become available. Many of our faculty have a professional background in their discipline and some actively still work in their chosen profession. The CPS faculty care deeply about their students and ensure student success is our number one priority.

Community College Students

Since CPS offers a variety of professional degrees, many community college students transfer in to NJCU in order to graduate with a Bachelor's in their chosen field. CPS continues to establish relationships with academic departments from many community colleges across the state so be sure to contact the Dean's office if you would like to learn how you can transfer into one of the CPS degree programs.

Criminal Justice

Education and Professional Studies Building, Room 220
201- 200-3492

The Criminal Justice Department (https://www.njcu.edu/academics/schools-colleges/college-professional-studies/departments/criminal-justice), a diverse, urban learning community of educators and students, is dedicated to a multidisciplinary education, merging theory and practice in service to society and the dynamic nature of criminal justice. Students gain valuable legal experience through the Department's Mock Trial Team (https://www.njcu.edu/student-life/student-activities-organizations/clubs-and-organizations/mock-trial-team). The Department also sponsors a Chapter of the American Criminal Justice Association's Lambda Alpha Epsilon for its students and has a very active Criminal/Social justice club. The Department seeks academic excellence, whereby it develops innovative new courses, promotes faculty development, enhances community outreach goals, increases its access to a diverse range of incoming students, and boosts retention.

The Bachelor of Science in Criminal Justice degree program combines professional studies in the fields of criminal justice, including law enforcement, courts, probation, corrections, parole, juvenile justice, violence, and victimization. The program is designed for individuals who are currently involved in the criminal and juvenile justice fields and students who seek careers in these areas.

All Criminal Justice majors who qualify are eligible for NJCU's Cooperative Education Program (i.e., internship). A major objective of the program is to combine classroom education with practical experience and to provide a realistic, in-the-field environment to enhance skills and knowledge, that supplement classroom learning. Students can earn up to 12 credits, with a maximum of 6 credits in any one experience.

David Chiabi, Chairperson (dchiabi@njcu.edu)
Professor of Criminal Justice
University of Yaounde, L.L.B.; Columbia University, L.L.M; City University of New York, Ph.D.

William Calathes (wcalathes@njcu.edu)
Professor of Criminal Justice
CUNY, B.A.; John Jay College of Criminal Justice, M.A.; CUNY Law School, J.D.; CUNY/John Jay College, Ph.D.

Venessa Garcia (vgarcia1@njcu.edu)
Professor of Criminal Justice
SUNY Buffalo State College, B.A.; SUNY University at Buffalo, M.A., Ph.D.

Aaron Ho (aho1@njcu.edu)
Associate Professor of Criminal Justice
John Jay College, B.A.; Rutgers University, M.A., Ph.D.

Esther Nir (enir@njcu.edu).
Professor
Fordham Law School, J.D.; Rutgers University, Ph.D.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Criminal Justice, B.S. (p. 210)
- Criminal Justice, Minor (p. 211)

Criminal Justice (CJ)

CJ 1XX Criminal Justice Transfer Credit (0 Credits)

CJ 2XX Criminal Justice Transfer Credit (0 Credits)

CJ 111 Introduction to Criminal Justice (3 Credits)
This introductory course in criminal justice offers an overview of the administration of police, court and correctional agencies and decision-making points-from the initial investigation or arrest by police to the eventual release of the offender and his or her reentry into society. The roles of police, the prosecuting attorney, the defense attorney, judge, probation personnel, corrections offices and parole offices are examined individually and collectively.

CJ 112 Crime and Delinquency (3 Credits)
The nature and extent of crime and delinquency in the United States are examined in this course. Emphasis is placed on theories and the types and trends of criminal and delinquent behavior. Theories of causation, relevant current issues, domestic, multicultural/international and societal responses are discussed.

CJ 115 Juvenile Justice (3 Credits)
This course provides an overview of the study of the juvenile justice system and its administration. Emphasis is placed on contemporary American juvenile justice, the processes within the system and how the system functions in the management, control, care and treatment of status offenders, juvenile offenders, dependent children and neglected children. Further emphasis is placed on the nature and extent of delinquency, theories of causation, current trends and issues.

CJ 120 Careers in Criminal Justice (3 Credits)
This course encompasses a wide range of topics related to locating and obtaining jobs in policing, courts, probation, corrections, parole, juvenile justice, fire safety and private security. Professional concerns such as stress, promotion and civil service requirements are addressed.

CJ 130 Writing for Criminal Justice (3 Credits)
This course provides students with the techniques and instructions for communicating facts, information, and ideas effectively in a simple, clear, and logical manner in various types of written academic assignments and professional criminal justice reports: reaction papers, article critiques, book reports, reviews of the literature, and research papers. There will be an emphasis on criminal justice terminology, the use of English, and the organization of information.
Pre-Requisite(s): CJ 111, CJ 112, and ENGL 101

CJ 201 Law, Order, and Justice in Society (3 Credits)
Drawing on social science and humanities, this course offers historical and international perspectives on how philosophical problems of law, American legal culture, justice, law and the Constitution, legislative behavior, and concepts of punishment all contribute to the development and understanding of the present criminal justice system.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 205 Community Corrections (3 Credits)
This course provides an overview of the theory and practice of probation and parole. Emphasis is placed on crime control through probation and parole including specific contemporary issues, controversies and organizational styles. The course includes a critical examination of the ability to predict probation/parole eligibility and the relationships to and consequences of both systems as these relate to the police, courts, corrections and the community. Juvenile and adult systems are examined.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 210 Crime Prevention (3 Credits)
This course explores the concepts and techniques of crime prevention. The roles of the criminal justice system, public and private service agencies as well as citizen involvement are examined. Special emphasis is placed on the successes and failures of the various approaches, strategies and programs in crime prevention.

CJ 215 Police Organization & Administration (3 Credits)
This course provides a survey of the fundamental principles of the function, structure and management of law enforcement agencies. Various forms of police organization are analyzed and evaluated. The basic concepts of police administration are discussed. Contrasts between traditional styles and contemporary approaches are also emphasized.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 216 Court System & Admin (3 Credits)
A broad analysis of the major structures and processes that underlie the American judicial system on the local, state and federal levels is the primary focus of this course. Emphasis is placed on the basic legal concepts of the judicial process, the dynamics of the criminal court process and its principal actors: judges, prosecutors, defense attorneys, juries, victims and witnesses. Civil and juvenile court procedures are examined, as well as the appellate process and the role of the United States Supreme Court. Selected current reforms, issues and problems are discussed and cross-cultural comparisons are made.
Pre-Requisite(s): CJ 111 Introduction to Criminal Justice and CJ 112 Crime Delinquency

CJ 217 Correctional Systems & Administration (3 Credits)
This course includes an overview of the organization and administration of the correctional system as a process and as a major component of the American criminal justice system. Emphasis is placed on correctional goals and objectives, current philosophies, trends and practices, special problems, issues, controversies and potential directions for the future. Both adult and juvenile corrections are examined, as are selected cross-cultural perspectives.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 250 Crisis Intervention (3 Credits)
This course examines how the criminal justice system deals with crises. Intervention strategies which focus on domestic violence, child abuse, suicide, rape, hostage situations and collective violence are reviewed. Particular attention is given to counseling, arbitration, mediation, referral and negotiation techniques.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 260 Criminal Investigation (3 Credits)
A comprehensive review of the investigation of criminal matters including the full range of activities from the initial notification of the commission of a crime to its final disposition in the criminal justice process is provided in this course. Study encompasses the history and art of investigation, preliminary and follow-up, all evidentiary aspects, crime scene search, interviews and interrogation, identification of suspects, court preparation and presentation.
Pre-Requisite(s): CJ 111 Introduction to Criminal Justice and CJ 112 Crime and Delinquency.

CJ 275 Police & Community (3 Credits)
The interaction between the police and the community is examined in this course. The programs instituted by police in community relations and involvement of the community in establishing police policy and relations are explored. Community policing and other dynamics involved in the police/community relationship are examined.
Pre-Requisite(s): CJS 111 and CJS 112

CJ 300 Victimless Crimes/Organized Crime (3 Credits)
This survey course reviews the sociological and philosophical aspects of victimless and organized crimes and the impact of the two on the criminal justice system. The concept of law and morality are discussed in regard to the "so-called" victimless or public order crimes. The nature and extent of organized crime as well as the determination of federal and state agencies to eradicate it are also discussed.

CJ 301 Terrorism (3 Credits)
This course takes an interdisciplinary approach to understanding the conceptual and transnational aspects of terrorism. To achieve this end, the historical, psychological and political roots of terrorism are discussed as are other aspects of terrorism, such as state terrorism and narcoterrorism. This course, which emphasizes political terrorism is infused with examinations of domestic and international groups and events. Means of countering and controlling terrorism are also analyzed. Pre-requisite: CJFS 111 Introduction To Criminal Justice.
Pre-Requisite(s): CJ 111 Intro to Criminal Justice and CJ 112 Crime and Delinquency.

CJ 302 White Collar Crime (3 Credits)
The illegal and unethical activities of people, businesses, and governments whose ostensible purpose is legitimate enterprise are examined in this course. Corporate activities which seek to expand profit and government activities to obtain and maintain power are analyzed. Political and social factors are emphasized.

CJ 303 Women and Criminal Justice (3 Credits)
This course explores the relationships among women, crime and the criminal justice system in American society. Major emphasis is placed on three general areas: women as offenders, women as victims of crime and women as social control agents or criminal justice professionals. A theoretical and practical perspective is applied in areas such as the nature and extent of female criminality, various aspects of victimization including abused women and rape victims, the victimization aspects of prostitution and finally, women as employees in the system.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 305 Criminal Law (3 Credits)
This course provides students with an overview of criminal law with an emphasis on the major crimes under federal and state jurisdictions. Also emphasized are the concrete rules within the framework of doctrinal policies and principles, and doctrine itself within the web of jurisprudence, moral philosophy and everyday experiences. Hence, there is a detailed presentation of purposes and perspectives concerning criminal law and the principles of liability, as well as a host of concrete rules, all of which illustrate underlying themes.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 306 Crime and the Movies (3 Credits)
This course identifies and analyzes the images and themes of crime and the criminal justice system presented through American films. In particular, crime movies will be studied as major sources of data for uncovering how Hollywood portrays society's struggle with the crime problem. The fundamental role played by film in defining what constitutes deviance and criminality in society will be discussed. This course will also examine how film portrays criminals, police, juvenile delinquents, courts and corrections, along organized crime, and white-collar crime in America.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 307 Contemporary Issues in Trial Processes (3 Credits)
This course is designed to provide students with an overview of trial advocacy skills and processes within the American Criminal Justice System. Particular attention is devoted to the various roles played by key participants including judges, prosecutors, defense attorneys, witnesses, defendants and victims. The art of effective trial advocacy is demonstrated and practiced through numerous simulations including opening statements, direct and cross examination of witnesses, examination of expert witnesses, and summations. Students will form a team and compete against other universities in the American Mock Trial Association competition.

CJ 308 Multi-Cultural Law Enforcement (3 Credits)
This course will explore the pervasive influence of culture, race and ethnicity on daily encounter and contacts between police offers and civilian employees of police organizations and community members. The focus is on the cross-cultural contact, the need for awareness, understanding of cultural differences and respect for those of different backgrounds. The nature of the police role and its responsibilities in the context of multicultural law enforcement are evaluated.

CJ 309 Trial Process II (3 Credits)
This course is designed to provide students with an overview of trial advocacy skills and processes. Numerous simulations (opening statements, direct and cross examination of witnesses, summations) are conducted throughout the semester. Students will form a team and compete against other universities in the American Mock Trial Association competition.
Pre-Requisite(s): CJ 307

CJ 310 Hate Crimes Seminar (3 Credits)
Course explores and analyzes the phenomena of hate crimes with a focus on racial, ethnic, cultural, sexual orientation, and religious stife. Tensions between freedom and equality are examined. The historical, economics, and political roots of such crimes are reviewed as well as the governmental response including federal and state laws.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 311 Violence, Victims, & Criminal Justice (3 Credits)
The course examines the extent, nature, effects, and criminal justice response of three common forms of violence most commonly addressed by victim advocates: intimate partner violence, sexual assault, and child abuse. This course meets partial fulfillment of the Basic Specialty Training for Victim Advocacy Certification by the National Advocacy Credentialing.

CJ 315 Seminar in Criminal Justice Problems (3 Credits)
This course examines some of the problematic topics in criminal justice and as such addresses some of the ways in which the evolution of crime and criminal justice is manifest. In so doing, areas that have both a domestic and global component are also discussed. Some of the more traditional areas of crime are examined, such as murder, child abuse, etc., as are relatively new issues in the field, such as euthanasia, patriarchal crime and human smuggling. Controversial issues surrounding developments in these areas are debated, as are various approaches to the problems.

CJ 320 Advocacy in the Courts (3 Credits)
This course is designed to teach students advocacy skills and case processing dynamics through classroom simulations and experiential learning opportunities with practitioners in the criminal justice field. Through courtroom observations (virtual and in-person) and interactions with judges, prosecutors, and defense attorneys in class, students will learn tactics and tips for effective advocacy from specialists in the field. Students will receive critique from judges and attorneys on various skills, including opening statements, closing statements, making objections, using demonstratives, and courtroom etiquette. Students will perform various advocacy roles in a New Jersey courthouse with a judge presiding. Student will have an opportunity to debrief with a court actor regarding their observations and experiences. The course culminates with a mock trial.

CJ 325 Criminal Procedure (3 Credits)
This course examines the methods by which the criminal justice system functions. For example, it examines the law surrounding the arresting of suspects, the searching of premises and persons, the interrogation of suspects and the use of police lineups. Since many aspects of criminal procedure are regulated by the U.S. Constitution, particularly, the Bill of Rights, this course emphasizes federal constitutional criminal procedure.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 330 Advanced Trial Process (3 Credits)
This course is designed to build trial advocacy skills and relevant substantive legal knowledge of trial processes. Numerous simulations (opening statements, direct and cross examination of witnesses, summations) are conducted throughout the semester. Students form a mock trial team and compete against other universities in the American Mock Trial Association.

CJ 331 Advanced Trial Process II (3 Credits)
This course is designed to support seasoned NJCU Mock Trial team members in enhancing their trial advocacy skills and substantive knowledge of trial processes. Numerous simulations (e.g. opening and closing statements, direct and cross examination of witnesses) are conducted throughout the semester to prepare students to compete in AMTA competitions.

CJ 340 Criminal Evidence (3 Credits)
The goal of this course is to familiarize students with the rules of evidence which are most often directed to the courts and concern the admissibility of evidence at trial. Included is a discussion on burdens of proof , judicial notice, presumptions, inferences and stipulations, relevancy and materiality, witnesses, privileges, documentary and real evidence and the hearsay rule and its exceptions. This course is designed for those students interested in the administration of justice and those who are preparing for a career in criminal justice.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 360 Victims Of Crime (3 Credits)
This course examines criminological theory and the practical application of theory in the criminal justice system to the study of victims of crime. The major focus of the course is on victims of crime, primarily victims of traditional crimes as outlined in the Crime Index (Part I) of the Uniform Crime Reports. The impact of these crimes and other categories of lawbreaking on victims, the victim/offender relationship and the victim/criminal justice relationship are discussed.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 370 Minorities & Criminal Justice (3 Credits)
The relationship between racial and ethnic minorities and the criminal justice system is studied in this course. Major emphasis is placed on African-Americans, Latinos, Native Americans, Asians and other minorities and how they interact with the American criminal justice system as victims, criminal offenders and practitioners. Additional emphasis is placed on minorities and how they have historically been affected by criminality and victimization.
Pre-Requisite(s): CJ 111 and CJ 112

CJ 372 Criminal Justice Research (3 Credits)
This an introductory course in the basic theory, principles and techniques employed in criminal justice research. The goal of the course is to provide students with an overview of the research enterprise and its major components. The broad range of research techniques, data collection strategies and analytical tools that serve the needs of the criminal justice system are discussed. An overview is provided of the types of research designs and data collection strategies such as sampling, questionnaires, interviews, observational techniques, the use of secondary sources, computers and other technology.
Pre-Requisite(s): CJ 111 and 112

CJ 420 International Criminal Justice (3 Credits)
This course provides an overview of major criminal justice systems in the world as well as analysis of international criminal justice issues and international criminal justice organizations. The perspective is comparative and international and designed to broaden the interests and knowledge of students. Cross-national comparisons with countries following the Anglo-Saxon.
Pre-Requisite(s): CJS 111 and CJS 112

CJ 444 Criminal Justice Ethics (3 Credits)
This course examines the moral issues and dilemmas facing practitioners in criminal justice. Practical problems are addressed from the philosophical viewpoints of the study of ethics. Among the topics considered are discretion, police use of deadly force, deception, police corruption and capital punishment.
Pre-Requisite(s): CJS 111 and CJS 112

CJ 462 Current Issues in Public Safety Management (3 Credits)

CJ 463 Management of Public Safety Agencies (3 Credits)
The structure, technology, and human aspects of complex organizations are examined in this course. Industrial, governmental and nonprofit organizations are considered with a special focus on unique purpose systems such as public and service security.
Pre-requisite(s): CJ 111 and CJ 112

CJ 464 Management of Information Systems (3 Credits)
The course objective is to provide students with the capability to analyze, design, implement and evaluate management information systems in public safety organizations. Topics include theories of communication, data acquisition, storage and retrieval, and interface problems. Current trends in information technology are emphasized.

CJ 501 Crime in a Global Context (3 Credits)
Crime in a global context is examined through an investigation of transnational and international crimes. The basic relationship between crimes and international law is studied, with particular emphasis on terrorism, genocide, and human rights violations. Mechanisms for dealing with such crimes, including international proceedings, conventions and treaties are discussed, as are relevant current issues.

Criminal Justice, B.S.

Completion of this major prepares one to assume the responsibilities of the following professions: Police officer (municipal and state), special agent (in federal law enforcement agencies), criminal investigator (in state prosecutor offices), court administrator (state and federal), probation officer (state and federal), parole officer (state), correctional officer (state and federal), juvenile counselor, victim advocate (government or community), and others. Continued study may include a master's and/or doctoral degree in criminal justice or public administration or a doctoral degree in law.

The requirement for admission to this degree track is a minimum cumulative grade point average (CGPA) of 2.0.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

Minimum GPA Requirement:

2.0 minimum overall GPA and a 2.0 minimum cumulative GPA in the major are program and graduation requirements.

Students majoring in Criminal Justice will be required to complete 39 semester hours in Criminal Justice Courses in residence at NJCU:

Code	Title	Credits
Required Courses		**24**
CJ 111	Introduction to Criminal Justice	3
CJ 112	Crime and Delinquency	3

CJ 215	Police Organization & Administration	3
CJ 216	Court System & Admin	3
CJ 217	Correctional Systems & Administration	3
CJ 305	Criminal Law	3
CJ 372	Criminal Justice Research	3
CJ 463	Management of Public Safety Agencies	3
Electives		**15**

Select a minimum of 15 credits from the following courses:

CJ 115	Juvenile Justice	
CJ 120	Careers in Criminal Justice	
CJ 130	Writing for Criminal Justice	
CJ 201	Law, Order, and Justice in Society	
CJ 205	Community Corrections	
CJ 210	Crime Prevention	
CJ 250	Crisis Intervention	
CJ 260	Criminal Investigation	
CJ 275	Police & Community	
CJ 300	Victimless Crimes/Organized Crime	
CJ 301	Terrorism	
CJ 302	White Collar Crime	
CJ 303	Women and Criminal Justice	
CJ 306	Crime and the Movies	
CJ 308	Multi-Cultural Law Enforcement	
CJ 310	Hate Crimes Seminar	
CJ 311	Violence, Victims, & Criminal Justice	
CJ 315	Seminar in Criminal Justice Problems	
CJ 325	Criminal Procedure	
CJ 340	Criminal Evidence	
CJ 360	Victims Of Crime	
CJ 370	Minorities & Criminal Justice	
CJ 420	International Criminal Justice	
CJ 444	Criminal Justice Ethics	
CJ 464	Management of Information Systems	
Total		

Freshman

Semester 1		**Credits**
CJ 111 or CJ 112	Introduction to Criminal Justice or Crime and Delinquency	3
	Credits	**3**
Semester 2		
CJ 112 or CJ 111	Crime and Delinquency or Introduction to Criminal Justice	3
	Credits	**3**

Sophomore

Semester 1		
CJ 215 or CJ 217	Police Organization & Administration or Correctional Systems & Administration	3
CJ 216 or CJ 217	Court System & Admin or Correctional Systems & Administration	3
	Credits	**6**
Semester 2		
CJ 217 or CJ 215 or CJ 216	Correctional Systems & Administration or Police Organization & Administration or Court System & Admin	3
Criminal Justice Elective		3
	Credits	**6**

Junior

Semester 1		
CJ 305	Criminal Law	3
Criminal Justice Elective		3
	Credits	**6**
Semester 2		
CJ 372	Criminal Justice Research	3
Criminal Justice Elective		3
	Credits	**6**

Senior

Semester 1		
CJ 463	Management of Public Safety Agencies	3
Criminal Justice Elective		3
	Credits	**6**
Semester 2		
Criminal Justice Eletive		3
	Credits	**3**
	Total Credits	**39**

Student Learning Outcomes

Upon completion of the Criminal Justice BS program, students will be able to:

1. Apply critical reasoning skills to solve problems in selected areas of criminal justice.
2. Demonstrate research skills necessary to enter into criminal justice fields, or alternatively pursue graduate studies.
3. Demonstrate writing skills required to enter into professional criminal justice fields, or alternatively to pursue graduate studies.
4. Identify the multi-disciplinary concepts of criminal justice, criminology, and law, and the workings of major components of the criminal justice system: police, courts, and corrections.

Criminal Justice, Minor

A minor in Criminal Justice is available primarily for those students who do not wish to major in Criminal Justice, but are interested in intensive study in a professional concentration. Those who will work closely with criminal- or juvenile-justice involved people should understand how the criminal justice system works.

Students wishing to complete a minor in Criminal Justice must complete 24 semester hours as follows:

Code	Title	Credits
CJ 111	Introduction to Criminal Justice	3
CJ 112	Crime and Delinquency	3
CJ 215	Police Organization & Administration	3
CJ 216	Court System & Admin	3
CJ 217	Correctional Systems & Administration	3

CJ 305	Criminal Law	3
CJ 372	Criminal Justice Research	3
CJ 463	Management of Public Safety Agencies	3
Total Credits		**24**

Fire Science

Professional Studies Building, Room 451
201 200-3407

The Fire Science Department (https://www.njcu.edu/academics/schools-colleges/college-professional-studies/departments/fire-science) is the only university-based fire science program in New Jersey and one of only a few in the nation. Graduates earn a Bachelor of Science degree, an increasingly valuable asset for individuals seeking advancement to officer and chief positions in fire service. Students enjoy the opportunity to study with and learn from firefighter/scholars, who are all active and newly retired fire officers and firefighters. Nationally and regionally renowned experts in the various firefighting specialties serve as instructors and guest lecturers throughout the semester. The Department was created by fire-educators to advance the education of fire personnel and the profession.

Walter Nugent, Chairperson
Professor of Fire Science
New Jersey City University, B.S. in Fire Science; Kean University, M.P.A.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Fire Science, B.S. (p. 213)
- Fire Science, Minor (p. 214)

Fire Science (FS)

FS 1XX Fire Science Transfer Credit (0 Credits)

FS 2XX Fire Science Transfer Credit (0 Credits)

FS 137 Emergency Personnel Fitness (3 Credits)
This course introduces the students to the physical, cognitive and emotional demands of academy training. The students will be prepared to pass the physical training requirements of various government, state, and city agencies. Lectures and video presentations will be provided to introduce the students to several health and fitness topics, including the principles of exercise, coronary heart disease risk factors, physical readiness, nutrition, and lifetime health for emergency personnel.

FS 140 Introduction to Fire Science (3 Credits)
This course provides an introduction to the fire protection field. The behavior of fire and the strategy and tactics used in its prevention, extinguishment and investigation are examined. The value of public and private fire protection services is emphasized.

FS 150 Introduction to Engine Company Operations (3 Credits)
This course is an introductory course designed to examine the fire protection and fire suppression field operations and responsibilities of engine company personnel. The student will be provided with an understanding of fire behavior, and the strategies, tactics, tools and equipment used by engine company personnel.

FS 151 Introduction to Ladder Company Operations (3 Credits)
This course is designed to provide students with insight into the comprehensive scope of actions and responsibilities of ladder company officers and firefighters. This course will provide students with an understanding of the strategies, tactics, special equipment, and tools uniquely employed at fire and emergency operations by ladder company personnel.

FS 241 Fire Prevention & Related Codes (3 Credits)
A study of applicable fire prevention codes and related codes with emphasis on life safety, fire resistance and fire protection is the focus of this course. The various existing fire codes are surveyed. Reference is made to National Fire Protection Association Standards.

FS 243 Fire Detection & Suppression Systems (3 Credits)
This course reviews portable fire extinguishers, foam systems, specialized extinguishing systems, explosion suppression, fire detection systems, standpipe and sprinkler systems. Legal considerations, economic factors, line safety considerations, maintenance and testing and recent developments in fire suppression are surveyed.

FS 261 Hydraulic Technology (3 Credits)
In this course, students develop an understanding of the properties, principles and concepts of the hydraulic use of water. Pressures, flow and pumps are examined for their practical application by fire services.

FS 262 General Fire Insurance (3 Credits)
This course presents all aspects of fire insurance, with emphasis on function, type of carriers, provisions, and establishments of rating systems. Additionally, it examines the handling of risk and settlement of claims.

FS 334 Fire Investigation & Arson (3 Credits)
Arson and incendiarism, arson laws and types of incendiary fires are topics that are introduced in this course. Methods of determining fire causes and recognizing and preserving evidence are considered.

FS 336 Firefighting Tactics (3 Credits)
This course is designed to teach students how to develop safe and successful firefighting strategies with the use of appropriate firefighting tactics. It is intended that students will complete the course in logical series: learning first the full spectrum of essential firefighting tactics and then how to use them to develop more complex and successful firefighting strategies.
Pre-Requisite: FS 140

FS 342 Building Construction (3 Credits)
Building construction from the viewpoints of fire safety and stability are studied in this course. Historic and current building construction types are reviewed as are the strengths and weaknesses of building materials. Case studies of catastrophic fire losses due to faulty construction are presented. Economic considerations, as well as current and emerging problems in this area are examined.
Pre-Requisite: FS 140

FS 344 Hazardous Materials (3 Credits)
This course examines the hazardous properties of flammable liquids, gases and combustible solids and methods to control these hazards and extinguish fires involving these materials. Principals are related to the common hazardous materials found in industry and how they can be controlled.

FS 365 Fire Officer Company Management (3 Credits)
This course provides a comprehensive presentation of management practices and principles essential to the successful completion of day-to-day firefighting unit operations by a fire officer.
Pre-Requisite(s): FS 140

FS 431 Firefighting Hazards (3 Credits)
This course is designed to provide an awareness of the hazards presented by various industries. Fire prevention is stressed. Automatic suppression is reviewed. Safety precautions, emergency procedures and public protection are studied.

FS 435 Research in Fire Science (3 Credits)
This seminar examines the various dimensions of the fire problem; economic, environmental, social, fire protection factors and prevention factors; and engineering aspects. Emphasis is placed on fire research and development. Student development of research projects in selected areas is encouraged.
Pre-Requisite: FS 140

FS 436 Firefighting Strategies (3 Credits)
This course is designed to provide students with an understanding of how to use various firefighting tactics to develop successful firefighting strategies. This case scenario based course will examine how to safely and effectively extinguish structural fires in buildings categorized within each of the five different types of building construction.
Pre-requisite(s): FS 140

FS 464 Fire Department Organization & Administration (3 Credits)
Students review the basic concepts of the management and organization of fire departments in this course. The structure and types of fire department organization, the functions of a manager, as well as the leadership that is necessary to maintain the high degree of professionalism associated with good business practice are examined.
Pre-Requisite(s): FS 140

Fire Science, B.S.

Completion of this major prepares one for a career in the Fire Service and related industries. It also prepares one to be firefighters and fire officers. In the Fire Protection industry, completion of this major prepares one for code enforcement, fire investigation, and fire protection systems. Our majors are also prepared for fire-related private industry.

The 2.0 minimum overall GPA and a 2.0 minimum cumulative GPA in the major are requirements for continuation in the major as well as for graduation.

Students concentrating in Fire Science will be required to complete 39 semester hours in Fire Science Courses in residence at NJCU.

Code	Title	Credits
Requirement Courses [1]		**27 cr**
FS 140	Introduction to Fire Science	3
FS 150	Introduction to Engine Company Operations	3
FS 151	Introduction to Ladder Company Operations	3
FS 336	Firefighting Tactics	3
FS 342	Building Construction	3
FS 435	Research in Fire Science	3
FS 365	Fire Officer Company Management	3
FS 436	Firefighting Strategies	3
FS 464	Fire Department Organization & Administration	3
Electives Courses: Select a Minimum of 4 courses [2]		**12**
FS 137	Emergency Personnel Fitness	3
FS 241	Fire Prevention & Related Codes	3
FS 243	Fire Detection & Suppression Systems	3
FS 334	Fire Investigation & Arson	3
FS 344	Hazardous Materials	3
FS 431	Firefighting Hazards	3
PSYC 261	Psychological Stress and Coping for First Responders	3
Total Credits		**39**

Students can also apply for Internship / Cooperative Education (https://www.njcu.edu/directories/offices-centers/center-career-and-professional-development/internships-experiential-education) for 2 - 6 credits
Or, apply for Portfolio/Certification Review via the Prior Learning Credit (https://www.njcu.edu/admissions-aid/undergraduate-admissions/transfer-applicant/transfer-resource-center/prior-learning-credits) Program for 1 - 6 credits

1. Students must earn a grade of C or better
2. Select 12 credits of approved electives in Fire Science, National Security Studies, Business, Languages, and other disciplines. Must earn a C or better in each course. (This is not a complete list of electives, please see the Fire Science Department for additional information)

Freshman		
Semester 1		**Credits**
FS 140	Introduction to Fire Science	3
	Credits	**3**
Semester 2		
FS 151	Introduction to Ladder Company Operations (Spring Only)	3
FS 137	Emergency Personnel Fitness (Elective)	3
	Credits	**6**
Sophomore		
Semester 1		
FS 150	Introduction to Engine Company Operations	3
	Credits	**3**
Semester 2		
FS 200- or 300-level Course [1]		3
FS 200- or 300-level Course [1]		3
	Credits	**6**
Junior		
Semester 1		
FS 200- or 300-level Course [1]		3
FS 200- or 300-level Course [1]		3
	Credits	**6**
Semester 2		
FS 200- or 300-level Course [1]		3
	Credits	**3**
Senior		
Semester 1		
FS 300- or 400-level Course		3
FS 300- or 400-level Course		3
	Credits	**6**

Semester 2		
FS 365	Fire Officer Company Management ((Spring Only))	3
FS 435	Research in Fire Science ((Spring Only))	3
	Credits	**6**
	Total Credits	**39**

[1] Selection of either 200- or 300-level courses is dependent upon the particular course offerings for a given semester.

Student Learning Outcomes

Upon completion of the Fire Science BS program, students will be able to:

1. Students will be able to communicate clearly and concisely (orally and/or in writing) regarding current critical emergency service issues.
2. Evaluate the role of risk management in the proper formulation of effective tactics and strategies to safely and successfully mitigate fire and emergency events.
3. Appraise and analyze building construction in terms of structural limitations and collapse / fire spread potential.
4. Utilize available technology and/or software to research and analyze date to create solutions to enhance decision-making on the emergency ground.
5. Apply ethical reasoning and analysis to the decision-making process in regard to personnel and resource management.

Fire Science, Minor

A minor In Fire Science is available primarily for those students who do not wish to major in Fire Science, but are interested in intensive study in a professional concentration.

Students minoring in Fire Science, will be required to complete 18 semester hours in Fire Science Courses in residence at NJCU.

Code	Title	Credits
Requirement (18 Credits)		
FS 140	Introduction to Fire Science	3
FS 342	Building Construction	3
FS 150	Introduction to Engine Company Operations	3
FS 151	Introduction to Ladder Company Operations	3
FS 336	Firefighting Tactics	3
FS 436	Firefighting Strategies	3

Student Learning Outcomes

Upon completion of the Fire Science minor students will be able to:

1. Students will be able to communicate clearly and concisely (orally and/or in writing) regarding current critical emergency service issues.
2. Evaluate the role of risk management in the proper formulation of effective tactics and strategies to safely and successfully mitigate fire and emergency events.
3. Appraise and analyze building construction in terms of structural limitations and collapse / fire spread potential.
4. Apply ethical reasoning and analysis to the decision-making process in regard to personnel and resource management.

Professional Security Studies

Professional Studies Building, Room 449
201-200-2275

The Professional Security Studies Department (https://www.njcu.edu/academics/schools-colleges/college-professional-studies/departments/professional-security-studies) focuses on a student-centered, scholar-practitioner approach to education. Its mission is to facilitate access, create opportunities and provide a supportive environment for achieving academic success, learning and appreciation of subject matter, professional and personal growth, and the acquisition and development of identified and marketable global and disciplinary competencies. The Department's vision is to create a diversified, current, innovative, successful and exemplary program that will integrate both theory and practice through the knowledge, skills, and abilities that will enable students to be globally competitive in the field and discipline of national security.

The Professional Security Studies Department is one of only a few departments in the country recognized as a Center of Academic Excellence (CAE) in both cybersecurity and intelligence. We have maintained our cybersecurity excellence award from the National Security Agency (NSA) for years at both the graduate and undergraduate levels. In 2019 the department was awarded a second CAE, in intelligence, from the Defense Intelligence Agency (DIA) and the Office of the Director of National Intelligence (ODNI). These awards help our students in the job market and demonstrate our ongoing ability to provide an award-winning education at an affordable price.

All faculty are current practitioners and have distinguished careers in the many and diverse fields of national security. For details on our faculty, please visit the department's faculty page (https://www.njcu.edu/academics/schools-colleges/college-professional-studies/departments/professional-security-studies/professional-security-studies-faculty).

This National Security Studies degree program is designed for practicing security leaders, as well as those students who seek careers in national, corporate or information assurance/cyber security. All course work is offered on campus, and through our University Partnerships, at Middlesex County Community College, at Bergen County Community College, in web-enhanced format, and online. We are adding new locations across the state. For the latest info, please see the department's web page (https://www.njcu.edu/academics/schools-colleges/college-professional-studies/departments/professional-security-studies).

All National Security Studies majors who qualify are be eligible for NJCU's Cooperative Education Program. A major objective of this program is to combine classroom education with practical experience, which provides a realistic, in-the-field environment for knowledge, skills, and abilities that supplement classroom learning. Students may earn up to 12 credits in Cooperative Education, with a maximum of 6 credits in any one experience.

Abdullah Al-Hayajneh, Co-Chairperson
Associate Professor of Cybersecurity
Ahliyya Amman University, B.S.; New York Institute of Technology, M.S.; Capitol Technology University, Ph.D.

Michael Krantz, Co-Chairperson (mkrantz@njcu.edu)
Professor of National Security Studies

Rutgers University, B.A., Seton Hall University, M.A., Ph.D.

Joseph Brickley
Assistant Professor

Juste Codjo, DSc Program Coordinator
Associate Professor of National Security Studies
Université d'Abomey-Calavi (Benin), B.A.; Webster University, M.A.; U.S. Army Command and General Staff College, Graduate Certificate; Kansas State University, Ph.D.

Scott Fisher (sfisher1@njcu.edu)
Associate Professor of National Security Studies
Rutgers University, Ph.D.

Jonathan Rosen
Assistant Professor of National Security Studies
Columbia University, Ph.D.

Kutub Thakur, Cyber Defense & Security Program Director (kthakur@njcu.edu)
Associate Professor of National Security Studies
New York Institute of Technology, B.S., University of Wisconsin - Platteville, M.S., M.P.M. Certificate; Pace University, Ph.D.

Michael Wiltsey
Associate Professor of National Security Studies
Monmouth University, B.A.; John Jay College of Criminal Justice, M.A.; Drexel University, Ph.D.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Cybersecurity, B.S. (p. 218)
- Forensic Studies, Minor (p. 220)
- Military Science, Minor* (p. 220)
- National Security Studies, B.S. (p. 220)
- National Security Studies, Minor (p. 222)

Professional Security (SECU)

SECU 1XX Professional Security Transfer Credit (0 Credits)

SECU 2XX Professional Security Transfer Credit (0 Credits)

SECU 105 Foundations of Leadership (3 Credits)
This course introduces the scientific study of behavior and mental processes with an emphasis on leadership development and team dynamics. Students will explore topics such as motivation, decision-making, communication, emotional intelligence, and group behavior—critical skills for effective leadership. Designed with JROTC students in mind, this course bridges psychological concepts with practical applications in leadership, preparing students for success in both academic and military pathways.

SECU 150 Introduction to Security (3 Credits)
This introductory course provides an overview of the principles and problems of effective security enforcement. An analysis is made of the security officer's role in the organization served, the procedures and regulations which govern that role and the laws as they relate to the rights of citizens. The organization and administration of the security department are stressed.

SECU 151 Security Systems & Design (3 Credits)
Detailed examination into the administrative planning of security activities, requirements for their effective execution and the supportive equipment and physical layout design for maintaining an effective security system are conducted in this course.

SECU 152 Loss Prevention Technique (3 Credits)
This course stresses individual research in all aspects of loss prevention situations. Students are required to develop security systems that reflect new techniques and concepts. The case study method is employed.

SECU 153 Occupational Safety and Health (3 Credits)
Management and supervisory principles and basic concepts in occupational safety and health are introduced in this course.

SECU 154 Careers in Professional Security Studies (3 Credits)
Course focuses on identifying and applying for the many career opportunities in the field of law enforcement, national, cyber, and private security. In addition to researching and understanding the requirements for these positions, the application, interviewing process and the preparation of a professional resume and/or curriculum vita, and professional portfolio will be emphasized.
Pre-Requisite: Secu 150 Introduction To Security

SECU 155 Introduction to International Security (3 Credits)
This course introduces theories and problems in international security and applies them to current events. Topics include the causes and ethics of war, security policy decisions, balancing offense and defense, and threats from non-state actors, such as terrorists.

SECU 190 Microcomputers for the Professional (3 Credits)
This course uniquely affords undergraduate students to learn about microcomputers with colleagues in different professional majors or minors: business, fire science, health, nursing, criminal justice and security. Students can expect hands-on use of microcomputers in the on-campus labs. Topics include cybernetic literacy, ethics, electronic research, constructive, and cognitive development.
Pre-Requisite(s): INTD 120 Computer as a Tool

SECU 210 Introduction to Intelligence (3 Credits)
This course covers the history and evolution of intelligence, covering areas that include principles and processes, ethics, and how it is used in a national security setting. Students will develop knowledge of the use and practices of intelligence with respect to homeland and national security interests.
Pre-Requisite: SECU 150 Introduction to Security

SECU 214 Crime Scene Investigation (3 Credits)
This course will review basic and advanced procedures of crime scene investigation. Students will learn the procedures for documenting crime scenes. The course will also cover the proper search techniques, documentation, and collection of evidence. The course will also introduce students to fingerprint examination, bloodstain pattern analysis, and crime-scene reconstruction.

SECU 215 Behavioral Analysis and Criminal Profiling (3 Credits)
This course will explore a comprehensive approach to behavioral analysis and criminal profiling. It will examine the foundations and methods of profiling and application of such methods to the investigation of various crimes or threats. The course will also address the application of behavioral analysis to our understanding of terrorism.
Prerequisite: SECU 150 Introduction to Security

SECU 220 Current Security Problems (3 Credits)
This course analyzes special problem areas in national and industrial security. The focus is on security education and training, community relations, white collar crime, subversion and sabotage, civil disturbance, and emergency and disaster control.

SECU 221 Contemporary International Security Topics (3 Credits)
This course applies the theories and lessons from international security to new and emerging threats, risks, and sources of conflict and cooperation including terrorism, human security, climate changes, and cyberspace. Students learn security responses ranging from policy development to kinetic operations.
Pre-Requisite(s): SECU 155 Introduction to International Security

SECU 222 Computer Security I (3 Credits)
This introductory course focuses on the importance of information security and the impact technology has in the field of security. Specific areas of coverage include: history vs. current methodology, capabilities and limitations of communications; automated information systems (AIS); hardware; software; memory; media; networks; system operating environment and security policies.

SECU 224 Ethics in National Security (3 Credits)
This course examines how ethical standards apply to human relations and the specific implications for national Security professionals. It combines lectures, case studies, and discussions to critically analyze the impact of ethical behavior and conduct in support of national security objectives.
Pre-Requisite: SECU 150 Introduction to Security

SECU 226 Critical Thinking and Problem Solving for Professionals (3 Credits)
This course introduces students to the problem solving process, focusing on mastering the skills that enable them to make critical decisions in a variety of contexts. Operating in a collaborative environment that focuses on problem based learning: students establish and work within groups that will utilize strategies for identifying ROOT problems, generating alternatives or solutions, implementing a chosen solution, and evaluating the outcome. Students will discuss issues of group interaction as well as the importance of working within a group and as an individual.

SECU 250 Security Communication (3 Credits)
Effective communication about issues related to security with internal and external in a global society where information is shared instantaneously requires strategic planning and careful attention to messaging. Best practices are examined regarding proactive and reactive strategic communication, with an emphasis on communication research, objectives, programming and evaluation.
Pre-Requisite(s): SECU 150

SECU 280 Security Organization & Administration (3 Credits)
This course is designed as an introduction to the organization and administration of security functions within a corporation, company or municipality. Topics such as administrative procedures and corporate management philosophy are examined.

SECU 305 Special Topics in Professional Security Studies (3 Credits)
This course covers selected topics in Professional Security Studies that are of recent or current interest in the field. Topics are selected from the three major domains of this department to include National, Corporate or Information Assurance/Cyber Security.
Pre-Requisite(s): SECU 150

SECU 306 U.S. Security Interests East Asia (3 Credits)
Events in East Asia often grab headlines: North Korean nuclear weapons, Chinese hacking, tensions in Korea, Japan-China disputes, and rival claims across the Taiwan Strait. This course familiarizes students with one of the world's most dynamic regions, then harnesses that knowledge to assess U.S. security interests throughout East Asia.

SECU 307 Security in Latin America (3 Credits)
This course is designed to help students better understand the U.S. security challenges in Latin America. It analyzes the historical evolution of the region, focusing on civil wars and military interventions. The course also examines the current security trends and challenges, focusing on drug trafficking, organized crime, gangs, violence, migration, and border security.

SECU 309 Introduction to Computer & Network Security (3 Credits)
This course covers network security for the Cybersecurity Program. It will introduce network and internet terminology in information security,information assurance and related legal and ethical issues. The topics span various cybersecurity domains including TCP/IP general concepts, OS identification, scanning, web servers and wireless assets vulnerabilities, cryptography, and network protection.

SECU 310 Forensic Investigations (3 Credits)
This course provides an overview of forensic investigations that covers the three major domains in Professional Security Studies-National, Corporate and Information Assurance/Cyber Security . Students will be introduced to the various forensic investigations involved within these three areas.
Pre-Requisite(s): SECU 150 Introduction to Security

SECU 311 Bloodstain Pattern Analysis (3 Credits)
This course will explore the history of bloodstain pattern analysis in criminal investigations. Students will learn basic pattern interpretation and conduct experimentation to solidify their learning. Students will learn the methods for determining impact angles, direction of travel, as well as areas of convergence and origin of impact spatter patterns.

SECU 315 Big Data Analysis and Visualization in U.S. National Security (3 Credits)
The ability to collect, analyze, and produce visualizations of big data is a critical (and employable!) national security skill set. Using available datasets from the FBI, START/DHS, social media, and elsewhere, students will conduct and present policy relevant national security research using industry leading data visualization software.

SECU 321 Seminar on National Security (3 Credits)
National Security, the protection of American interests impacts many facets of our society. The role of the U.S. homeland security and intelligence communities are comprehensively investigated as they pertain to the interdisciplinary responsibilities of security professionals. This seminar is based on intensive study that supports other security courses with research.
Pre-Requisite(s): SECU 150

SECU 322 Computer Security II (3 Credits)
This intermediate course focuses on the importance of information security (INFOSEC) and the impact technology has in the field of security. Specific areas of coverage include: Operational Security (OPSEC), policy, roles and responsibilities, cryptography, transmission security, and components of the National Training Standard for Information System Security-(NSTISS). Components include: national policy, threats, countermeasures and risk management among others.
Pre-Requisite(s): SECU 222 Computer Science I

SECU 323 Risk Management (3 Credits)
Course focuses on the management and mitigation of risk in security settings. Critical incident response, risk assessment, and the development of security surveys, identifying risks and offering solutions will be emphasized and applied to the three major domains of national, corporate and cyber security within the security industry.
Pre-Requisite(s): SECU 150

SECU 324 Security Fraud (3 Credits)
Fraud in the security industry will be the focus of this course as it applies to national and corporate security organizations. This course will emphasize forensic accounting techniques and methods to identify fraud as well as prevention techniques. Those in traditional law enforcement, and business will benefit from the knowledge gained through this course.
Pre-Requisite(s): CJS 150 Introduction to Security

SECU 326 Public Speaking for Professionals (3 Credits)
Designed to help students improve oral communication, articulation and presentation skills. Emphasis is placed on identifying effective speech habits, techniques for improving speech; oral interpretation; effective speech planning and delivery; and interpersonal communication.

SECU 330 U.S. Security Interests in the Islamic World (3 Credits)
Although the United States has key security interests in the Islamic world, much of its history and movements have not been accurately dissected and analyzed by security specialists. This course aims to provide prospective leaders in the field of security with a detailed assessment of the Islamic world, including but not limited to early history, early political movements, political theory, radicalism, and U.S. security policies of various presidential administrations.

SECU 339 Cyber Incident Handling (3 Credits)
This course presents techniques for identifying vulnerabilities within computer systems and explains how to mitigate risks and damage. The content covers various aspects of contingency planning while highlighting effective strategies that minimize downtime in a computer system emergency. This course also demonstrates how to recover from losses after a breach, making it a valued resource in case of a network intrusion.

SECU 340 Ethical Hacking I (3 Credits)
This course immerse students into an interactive environment where they are shown how to scan, test, hack and secure their own Cyber systems. A self-contained lab gives each student in-depth knowledge and experience on how defenses work and then lead into attacking their own networks; no real network is harmed.
Pre-Requisite(s): SECU 222 or Permission of Instructor

SECU 345 Computer Forensics I (3 Credits)
Digital forensics are a standard component of today's investigation techniques for National, Corporate and Cyber Security. This course deals with the preservation, identification and reconstruction, extraction, documentation, reporting, acquisition, analysis, interpretation and reconstruction of computer data. Topics covered include evidence handling, chain of custody, collection, preservation, identification and recovery of computer data.
Pre-Requisite(s): SECU 222 or Permission of Instructor

SECU 350 Intelligence Analysis (3 Credits)
This course will provide students with the fundamental concepts of intelligence analysis, which will cover the intelligence process; defining the intelligence problem; an analysis approach to the target; the analytical spectrum; models and sources of intelligence; populating models; collection strategies; predictive analysis; organizational analysis; technology assessment and systems analysis and the analyst and the consumer/recipient of intelligence.
Pre-Requisite(s): SECU 150

SECU 380 Policy Development for the Security Professional (3 Credits)
This course examines policy making and the analytical process used to develop and implement them. This course studies the impact of policy decisions at various levels on the operations of Security organizations. Security policy is presented as the link between Security systems and people.
Pre-Requisite(s): SECU 150 Introduction to Security

SECU 398 Research Methods in Professional Security Studies (3 Credits)
Introduction and practice in the use of primary sources, including the basic methodologies and techniques of research design within the field of Professional Security Studies. Students will gain experience in the development of research proposals and in the use and verification of different types of empirical evidence. Consistent with the environment of Professional Security in the 21st Century, use of electronic databases, computers and technology are emphasized throughout.
Pre-Requisite: SECU 150 Introduction to Security

SECU 400 Cybersecurity and Event Management (3 Credits)
The Cybersecurity and Event Management course explores the technology, operational procedures, and management practices needed for successful cybersecurity. Cybersecurity and Event Management is a comprehensive course covering the extensive use of standards and best practices that are often used to guide or mandate cybersecurity implementation. The course enables students to define cybersecurity governance, assess risks, and manage strategy and tactics.

SECU 411 Extremist Groups and Security (3 Credits)
Understanding the motivation, tactics, and targeting trends of extremist groups is mandatory if managers and command staff are able to evaluate potential threats and develop appropriate countermeasures to protect the organization's personnel and other assets. Students discuss terrorism as a form of political violence and its effect on security management.
Pre-requisite: CJS 150 Introduction to Security

SECU 415 Intrusion Detection and Prevention Systems (3 Credits)
The Intrusion Detection and Prevention course is designed to provide knowledge in the area of intrusion detection and incident response once an intrusion has been detected. Topics covered in this course include computer security, computer network exploitation, intrusion detection, incident handling, hacker exploits, hacker tools and cybercrime investigative techniques.

SECU 422 Computer Security III (3 Credits)
This capstone course focuses on the importance of information security (INFOSEC) and the impact technology has in the field of security. Major domains covered are National Training Standard for Information Systems Security-(NSTISS) planning/management/ and policies/ procedures. Specific topics include: security planning, risk management, systems lifecycle management, contingency planning/disaster recovery, physical security measures, personal security practices and procedures, software security, network security, administrative controls, auditing, cryptosecurity, key management, transmission and TEMPEST security.
Pre-Requisite(s): SECU 322

SECU 430 Computer Hacking Forensic Investigator (3 Credits)
The Computer Hacking Forensic Investigator course will explore the technologies associated with the security discipline of digital forensics. CHFI is a comprehensive course covering major forensic investigation scenarios, enabling students to acquire hands-on experience with forensic investigation techniques and forensic tools necessary to successfully carry out a computer forensic investigation.

SECU 460 Security and Privacy of Information and Information Systems (3 Credits)
This course covers an in-depth understanding of information security and privacy. It will introduce concepts to differentiate security and privacy and explore information value, information liabilities and solutions to secure information and protect privacy. The topics span various cyber-security domains including threats and attacks, methods to detect data incidents and breaches, and respond to and recover from data incidents and breaches while managing risks and maintaining business protection.

SECU 465 Resource Manangement in Security (3 Credits)
This course explores the major issues of financial and human resource management, and combines theories with practical applications to emphasize current best practices. The first half of the course focuses on the fundamentals of human resource management, while the remaining half focuses on budgeting and financial management.
Pre-Requisite: SECU 150

SECU 2305 Special Topics: National Security Policy (3 Credits)
This course covers selected topics in Professional Security Studies that are of recent or current interest in the field. The National Security Policy topic is selected from the major domain of National Security. The other two domains of Corporate Security and Information Assurance/Cyber Security with be integrated.
Pre-Requisite(s): SECU 150

SECU 4305 Special Topics: Domestic Terrorism (3 Credits)
This course covers selected topics in Professional Security Studies that are of recent or current interest in the field. The Domestic Terrorism topic is selected from all three of this department's major domains: National Security, Corporate Security and Information Assurance/Cyber Security.
Pre-Requisite(s): SECU 150

Cybersecurity, B.S.

The Bachelor of Science in Cybersecurity program provides students with the necessary knowledge, skills, and professional training to pursue careers in the rapidly growing field of Cybersecurity. The program offers a balance between the theoretical and deep technical skills of Cybersecurity. The program is suitable for students who have received an Associate's degree in Business, Homeland Security, Criminal Justice, Computer Science or a related major and have a desire to join the Cybersecurity workforce or conduct Cybersecurity research. The program prepares our graduates to face the futuristic security-related challenges emerging from our internet-connected world, the rapid adoption of mobile devices, and the ever-increasing role of software applications in our daily life. Our curriculum for the Bachelor in Cybersecurity program blends contemporary knowledge with advanced research concepts to deliver a cutting-edge program mapped with the NSA/DHS guidelines and knowledge units.

The requirement for admission to this degree track is a minimum cumulative grade point average (CGPA) of 2.75.

Code	Title	Credits
Foundation courses		**15**
CS 101	Computer Science I	3
CS 206	Concepts of Operating Systems	3
CS 407	Introduction to Unix/Linux System Administration and Shell Programming	3
SECU 210	Introduction to Intelligence	3
SECU 222	Computer Security I	3
Core Courses		**27**
CS 252	Programming for All in Python and Computer Science Principles	3
CS 410	Telecommunications & Networks	3
SECU 221	Contemporary International Security Topics	3
SECU 224	Ethics in National Security	3
SECU 309	Introduction to Computer & Network Security	3
SECU 322	Computer Security II	3
SECU 345	Computer Forensics I	3
SECU 430	Computer Hacking Forensic Investigator	3
SECU 460	Security and Privacy of Information and Information Systems	3
Security Studies Track Courses		**21**
SECU 323	Risk Management	3
SECU 339	Cyber Incident Handling	3
SECU 340	Ethical Hacking I	3
SECU 400	Cybersecurity and Event Management	3
SECU 415	Intrusion Detection and Prevention Systems	3
SECU 422	Computer Security III	3
SECU 154	Careers in Professional Security Studies	3
Business Security Track Courses		**21**
ACCT 450	Corporate Governance & Internal Control Frameworks	3
FINC 305	Introduction to Data Science	3
FINC 430	Principles of Machine Learning	3
MGMT 321	Ethics and Corporate Social Responsibility	3
MGMT 350	Decision Intelligence in Supply Chains	3
MKTG 231	Principles of Marketing	3
MKTG 422	E-commerce	3
Electives, Take at least four courses		**12**
SECU 151	Security Systems & Design	3
SECU 152	Loss Prevention Technique	3
SECU 153	Occupational Safety and Health	3
SECU 155	Introduction to International Security	3
SECU 214	Crime Scene Investigation	3
SECU 215	Behavioral Analysis and Criminal Profiling	3

SECU 220	Current Security Problems	3
SECU 280	Security Organization & Administration	3
SECU 310	Forensic Investigations	3
SECU 311	Bloodstain Pattern Analysis	3
SECU 315	Big Data Analysis and Visualization in U.S. National Security	3
SECU 321	Seminar on National Security	3
SECU 398	Research Methods in Professional Security Studies	3
SECU 465	Resource Manangement in Security	3
SECU 2305	Special Topics: National Security Policy	3
SECU 4305	Special Topics: Domestic Terrorism	3
Total Credits Required:		**75**

Freshman

Semester 1		**Credits**
CS 101	Computer Science I	3
CS 206	Concepts of Operating Systems	3
	Credits	**6**
Semester 2		
SECU 210	Introduction to Intelligence	3
CS 252	Programming for All in Python and Computer Science Principles	3
	Credits	**6**

Sophomore

Semester 1		
CS 407	Introduction to Unix/Linux System Administration and Shell Programming	3
SECU 222	Computer Security I	3
	Credits	**6**
Semester 2		
CS 410	Telecommunications & Networks	3
SECU 221	Contemporary International Security Topics	3
SECU Elective		3
	Credits	**9**

Junior

Semester 1		
SECU 224	Ethics in National Security	3
SECU 309	Introduction to Computer & Network Security	3
SECU 322	Computer Security II	3
SECU Elective		3
	Credits	**12**
Semester 2		
SECU 345	Computer Forensics I	3
SECU 430	Computer Hacking Forensic Investigator	3
SECU 460	Security and Privacy of Information and Information Systems	3
SECU Elective		3
	Credits	**12**

Senior

Semester 1		
Business/Computer/Security Track Course		3
Business/Computer/Security Track Course		3
Business/Computer/Security Track Course		3
	Credits	**12**
Semester 2		
Business/Computer/Security Track Course		3
Business/Computer/Security Track Course		3
Business/Computer/Security Track Course		3
SECU Elective		3
	Credits	**12**
	Total Credits	**75**

STUDENT LEARNING OUTCOMES

CYBER DEFENSE (CD) KNOWLEDGE UNITS LEARNING OUTCOMES

1. Understand the major concepts in modern operating systems and the basic security issues in OS design and implementation (how the first principles of security apply to operating systems). [CAE-CD 1]
2. Evaluate leadership, theory, tools, skills, and practices as they apply to safeguard the security and privacy of today and tomorrow's cyberinfrastructure. [CAE-CD 2]
3. Design solutions for complex problems in a secure and robust manner using a programming language. [CAE-CD 3]
4. Identify and articulate potential system attacks and the actors that might perform them.
[CAE-CD 4]
5. Identify and articulate appropriate measures to be taken should a system compromise occur. [CAE-CD 5]
6. Identify and articulate cyber defense tools, methods and components. [CAE-CD 6]
7. Understand cyber defense methods to prepare a system to repel attacks. [CAE-CD 7]
8. Demonstrate proficiency in the use of scripting languages to write simple scripts (e.g., to automate system administration tasks). [CAE-CD 8]
9. Identify and compare/contrast bad actors in cyberspace, including their resources, capabilities/techniques, motivations, and aversion to risk. [CAE-CD 9]
10. Describe different types of attacks and their characteristics [CAE-CD 10]
11. Describe why each principle is important to security and how it enables the development of security mechanisms that can implement desired security policies. [CAE-CD 11]
12. Understand the interaction between security and system usability and the importance of minimizing the effects of security mechanisms [CAE-CD 12]
13. Evaluate the architecture of a typical, complex system and identify significant vulnerabilities, risks, and points at which specific security technologies/methods should be employed. [CAE-CD 13]
14. Identify the elements of a cryptographic system. [CAE-CD 14]
15. Describe how various cryptographic algorithms and protocols work. [CAE-CD 15]
16. Describe which cryptographic protocols, tools and techniques are appropriate for a given situation. [CAE-CD 16]
17. Describe how crypto can be used, strengths and weaknesses, modes, and issues that have to be addressed in implementation (e.g., key management), etc. [CAE-CD 17]
18. Apply and analyze hardware components of modern computing environments and their individual functions. [CAE-CD 18]

19. Describe the fundamental concepts, technologies, components and issues related to communications and data networks. [CAE-CD 19]
20. Describe a basic network architecture given a specific need and set of hosts/clients. [CAECD 20]
21. Describe the responsibilities related to the handling of information about vulnerabilities. [CAE-CD 21]
22. Apply the knowledge gained to successfully install and securely configure, operate and maintain a commodity OS, to include: setting up user accounts, configuring appropriate authentication policies, configuring audit capabilities, performing back-ups, installing patches and updates, reviewing security logs, and restoring the system from a backup. [CAE-CD 22]
23. Apply security principles to the design and development of database systems and database structures. [CAE-CD 23]
24. Apply the knowledge of network technologies to design and construct a working network. [CAE-CD 24]
25. Analyze a trace of packets to identify the establishment of a TCP connection. [CAE-CD 25]

Forensic Studies, Minor

The Minor in Forensic Studies program will expose students who are interested in forensics to foundational coursework in criminal justice and areas of applied forensic science commonly utilized and applied by individuals working in the professional arenas of national security, law enforcement, professional security, and/or the criminal justice system. The forensic study areas covered in the program include forensic investigations and crime scene investigation. The criminal justice areas covered in the program provide an introduction and overview of the criminal justice system and criminal investigations.

Code	Title	Credits
Required		
CJ 111	Introduction to Criminal Justice	3
SECU 214	Crime Scene Investigation	3
CJ 260	Criminal Investigation	3
SECU 310	Forensic Investigations	3
Elective Courses Professional Security Studies (Take 1)		**3**
SECU 215	Behavioral Analysis and Criminal Profiling	3
SECU 311	Bloodstain Pattern Analysis	3
SECU 345	Computer Forensics I	3
Elective Courses Criminal Justice (Take 1)		**3**
CJ 112	Crime and Delinquency	3
CJ 216	Court System & Admin	3
CJ 305	Criminal Law	3
CJ 307	Contemporary Issues in Trial Processes	3
CJ 325	Criminal Procedure	3
CJ 340	Criminal Evidence	3

Students earning the Minor in Forensic Studies degree from NJCU will demonstrate proficiency in their abilities to meet the following Forensic Studies based Learning Outcomes:

1. Understand the application of the scientific method to crime scene investigation and reconstruction, and the associated areas of applied forensic studies. [FS1]
2. Execute proficiency in the application of the proper procedures for crime scene investigation, including the recognition, identification, preservation, documentation, and collection of evidence. [FS2]
3. Analyze and evaluate evidence in the field and in the crime-lab setting. [FS3]
4. Describe knowledge obtained covering the topics, techniques, and skills of applied forensic studies. [FS4]
5. Apply an understanding of tools used in applied forensic studies and demonstrate an ability to utilize such tools. [FS5]
6. Evaluate primary scientific and professional literature from fields of forensic studies, and critique emerging concepts and technology in the field. [FS6]
7. Create effective written and oral communications and explain forensic concepts and observations/findings related to crime scenes and physical evidence. [FS7]
8. Evaluate the importance of forensic studies in the criminal justice system. [FS8]
9. Develop students prepared for further education and training and for employment in fields involving forensic studies. [FS9]

Military Science, Minor*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

This minor will fully meet the Professional Security Studies elective requirements in addition to the ROTC course sequence being a minor in its own right. All students are volunteers and many are current or previous members (Veterans) of the United States Armed Forces.

The minor will consist of eight courses for a total of 24 credits from the list of courses below:

Code	Title	Credits
MS 101	Fundamentals of Leadership I	3
MS 102	Fundamentals of Leadership II	3
MS 201	Leadership Concepts I	3
MS 202	Leadership Concepts II	3
MS 301	Leadership Practices I	3
MS 302	Leadership Practices II	3
MS 401	Leadership Planning and Implementation I	3
MS 402	Leadership Planning and Implementation II	3
Total Credits		**24**

National Security Studies, B.S.

NJCU's nationally acclaimed National Security Studies Program offers the only Bachelor of Science degree of its kind in New Jersey and is one of only a few departments in the country with certificates of academic excellence from the National Security Agency (NSA), Department of Homeland Security (DHS), and the Office of the Director of National Intelligence (ODNI).

Our program equips students with a comprehensive understanding of national, corporate and cybersecurity theories and practices, and prepares our graduates to operate on an entry or supervisory level within law enforcement, national security and business environments. With the

flexibility built into this innovative program, students can pursue a dual major or minor in a number of areas such as business, computer science, chemistry, languages, and military science (ROTC).

As a part of the curriculum, students can work towards earning department certificates in Big Data & National Security, Cyber Defense and Information Security, Crime Scene Analysis, Intelligence Analysis, Extremism and National Security, International Security, and Loss Prevention.

Additional study may include cybersecurity certification from the NSA and DHS, intelligence projects and paid internships, a Master's Degree in National Security Studies, or a Doctorate in Civil Security Leadership, Management & Policy.

Code	Title	Credits
Required Courses *		**27**
SECU 150	Introduction to Security	3
SECU 151	Security Systems & Design	3
SECU 154	Careers in Professional Security Studies [1]	3
SECU 220	Current Security Problems	3
SECU 222	Computer Security I	3
SECU 280	Security Organization & Administration	3
SECU 321	Seminar on National Security	3
SECU 323	Risk Management	3
SECU 398	Research Methods in Professional Security Studies	3
Electives		**12**
Select 4 courses from the following: [2]		
SECU 152	Loss Prevention Technique	3
SECU 153	Occupational Safety and Health	3
SECU 155	Introduction to International Security	3
SECU 210	Introduction to Intelligence	3
SECU 214	Crime Scene Investigation	3
SECU 215	Behavioral Analysis and Criminal Profiling	3
SECU 221	Contemporary International Security Topics	3
SECU 224	Ethics in National Security	3
SECU 226	Critical Thinking and Problem Solving for Professionals	3
SECU 250	Security Communication	3
SECU 305	Special Topics in Professional Security Studies	3
SECU 306	U.S. Security Interests East Asia	3
SECU 309	Introduction to Computer & Network Security	3
SECU 310	Forensic Investigations	3
SECU 311	Bloodstain Pattern Analysis	3
SECU 315	Big Data Analysis and Visualization in U.S. National Security	3
SECU 322	Computer Security II	3
SECU 324	Security Fraud	3
SECU 326	Public Speaking for Professionals	3
SECU 330	U.S. Security Interests in the Islamic World	3
SECU 339	Cyber Incident Handling	3
SECU 340	Ethical Hacking I	3
SECU 345	Computer Forensics I	3
SECU 350	Intelligence Analysis	3
SECU 380	Policy Development for the Security Professional	3
SECU 400	Cybersecurity and Event Management	3
SECU 411	Extremist Groups and Security	3
SECU 415	Intrusion Detection and Prevention Systems	3
SECU 422	Computer Security III	3
SECU 430	Computer Hacking Forensic Investigator	3
SECU 460	Security and Privacy of Information and Information Systems	3
SECU 465	Resource Manangement in Security	3
SECU 2305	Special Topics: National Security Policy	3
SECU 4305	Special Topics: Domestic Terrorism	3
Total Credits to Complete Program:		**39**

* Students are required to earn a grade of C or higher in each required course.

[1] **Capstone Project:** All students participating in the BS/NSS program will be required to complete SECU 154-Careers in Professional Security. A student will be required to develop a personal portfolio and create a final paper specific to a national security issue.

[2] **Electives -** Select **12 credits** of approved electives in National Security Studies and earn a grade of C or higher in each course. Electives may be taken in other departments (e.g. Fire Science, Computer Science, Criminal Justice) with written approval from the National Security Studies Chair. SECU 154 may not count as both a capstone course and an elective. **(Please see department for additional information.)**

Freshman		
Semester 1		**Credits**
SECU 150	Introduction to Security	3
	Credits	**3**
Semester 2		
SECU 151	Security Systems & Design	3
	Credits	**3**
Sophomore		
Semester 1		
SECU 220	Current Security Problems	3
	Credits	**3**
Semester 2		
SECU 398	Research Methods in Professional Security Studies	3
	Credits	**3**
Junior		
Semester 1		
SECU 222	Computer Security I	3
SECU 280	Security Organization & Administration	3
	Credits	**6**
Semester 2		
SECU 321	Seminar on National Security	3
SECU 323	Risk Management	3
	Credits	**6**

Senior		
Semester 1		
SECU 154	Careers in Professional Security Studies	3
SECU Elective		3
SECU Elective		3
	Credits	**9**
Semester 2		
SECU Elective		3
SECU Elective		3
	Credits	**6**
	Total Credits	**39**

Student Learning Outcomes

Upon completion of the National Security Studies BS program, students will be able to:

1. Perform academic research utilizing properly established methods.
2. Understand the importance of policy in the creation and implementation of national security initiatives.
3. Exhibit strong written and oral communication skills.
4. Apply security management and operational skills to government, non-government, and private organizations.
5. Apply academic perspectives in national security strategies dealing with crime, terrorism, and cyber-attacks in a democratic society.

National Security Studies, Minor

The minor in National Security Studies is designed for students who are interested in the historical, political, cultural, ethical, and legal dimensions of national security policy. It helps prepare students for careers in law enforcement (local, federal and state), cybersecurity, physical security, intelligence (government and private sector), and the military.

Code	Title	Credits
Minor in National Security Studies		
Students who minor in National Security Studies must complete the following requirements. This minor complements many majors of the College of Professional Studies, the NJCU College of Arts and Sciences, and the School of Business.		
(18 credits)		
SECU 150	Introduction to Security	3
SECU 151	Security Systems & Design	3
SECU 222	Computer Security I	3
SECU 280	Security Organization & Administration	3
SECU 321	Seminar on National Security	3
SECU 323	Risk Management	3
Total Credits		**18**

Nursing

Rossey Hall, Room 405
201-200-3157

The New Jersey City University Nursing Department serves the educational needs of current registered nurses or bachelor degree-holders looking to earn a Bachelor of Science in Nursing. The nurse with the Bachelor of Science in Nursing (BSN) is the preferred nursing graduate for practice in all health care settings— critical-care, long-term care, ambulatory care, public health, and mental health and, thus, has the greatest employment flexibility of any entry-level Registered Nurse (RN). New Jersey City University's BSN curriculum includes a broad spectrum of scientific, critical-thinking, humanistic, communication, and leadership skills, including specific courses on population health nursing not typically included in diploma or associate degree programs. Nursing students also learn about current trends in healthcare, focusing on wellness and illness concepts, culturally sensitive care, and the delivery of safe, quality care in hospital and community-based settings.

These abilities are essential for today's professional nurse who must be a skilled provider, designer, manager, and coordinator of care. Nurses must make quick, sometimes life-and-death decisions; understand a patient's treatment, symptoms, and danger signs; supervise other nursing personnel; coordinate care with other health providers; master advanced technology; guide patients through the maze of health resources in a community and teach patients how to comply with treatment and adopt a healthy lifestyle. Nursing is a dynamic, challenging, and a rewarding profession.

The NJCU Nursing Department sponsors a chapter of Sigma Theta Tau International Honor Society of Nursing.

The Nursing Department at NJCU offers two programs leading to the Bachelor of Science in Nursing (BSN) degree; an accelerated, second-degree BSN program for non-nurses who hold bachelor degrees in other fields, a program designed for registered nurses who hold associate degrees and wish to continue their education and obtain BSN degrees.

The pre-licensure ABSN program is accredited by the New Jersey Board of Nursing. Applicants and students with complaints about the program may contact the NJ Board of Nursing as below.

New Jersey Board of Nursing
PO Box 45010
Newark, NJ 07101 (973) 504-6430
Date of Last Review: 2019, Date of Next Review June 15, 2028

The ABSN, RN-BSN, MS program and the School Nurse Certificate program are all accredited by the Commission on Collegiate Nursing Education.

Commission on Collegiate Nursing Education
The baccalaureate degree program in nursing and master's degree program in nursing at New Jersey City University are accredited by the Commission on Collegiate Nursing Education, 655 K Street NW, Suite 750, Washington, DC 20001, 202-887-6791. The BSN and MS Programs are accredited until December 31, 2032. This accreditation action was made affective March 28, 2022.

Nelda Ephraim, Chair
Associate Professor of Nursing, School Nurse Program Coordinator
Union County College, A.S.; Thomas Edison State College, B.S., M.S.; Capella University, Ph.D

Denise Branchizio
Assistant Professor of Nursing
Seton Hall University, B.S., University of Medicine and Dentistry of New Jersey, M.S.N.

Shanda Johnson
Assistant Professor of Nursing

Rutgers University, B.S.N., M.S.N., Ph.D.

Marie E. Montanez
Assistant Professor of Nursing, ABSN Coordinator
Advanced Practice Nurse, Family Specialty, Rutgers University
MSN, Rutgers University, Certified School Nurse, NJCU
BSN, Seton Hall University

Joyce Wright
Associate Professor of Nursing, RN to BSN Program Coordinator
Rutgers University, B.S.N.; Seton Hall University, M.S.; Widener University, Ph.D.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Nursing—Accelerated Program (Second Degree), B.S.N (p. 224)
- RN to BSN Nursing Program, B.S.N. (p. 226)

Nursing (NURS)

NURS 1XX Nursing Transfer Credit (0 Credits)

NURS 2XX Nursing Transfer Credit (0 Credits)

NURS 301 Pathophysiology (3 Credits)
This course is designed to introduce the student to pathophysiologic concepts related to altered biological processes affecting individuals across the lifespan and is built on the general principles of health maintenance. A global approach to disease will be emphasized. The course builds on principles from anatomy, physiology, and chemistry.

NURS 302 Pharmacology in Nursing Practice (3 Credits)
This course provides an introduction to pharmacotherapeutics and use of pharmacological agents in evidence-based nursing practice. Pharmacological agents are explored with emphasis on pharmackinetics, pharmacodynamics, and major pharmacological classifications. The use of pharmacological agents across the lifespan in acute and chronic disease states and culturally diverse populations are identified.

NURS 303 Nursing Informatics and Technology for Quality Patient Care (3 Credits)
This course introduces nursing informatics. Basic computer literacy is required. Applications to nursing through identification, retrieval, processing, evaluation, and management of health information systems are explored. Emphasis is placed on experiential learning of selected technologies. The impact of information systems on quality, safety, ethics, and evidence-based practice is examined.

NURS 304 Health Assessment (4 Credits)
This course focuses on the development of interviewing skills, assessment of health status, and physical examination skills. Patterns of healthy individuals will be examined and used as a reference point for assessment and health maintenance. Laboratory experiences for the integration of theory and skill mastery are utilized.

NURS 305 Fundamentals of Nursing (6 Credits)
This course will focus on the concepts, skills, and attitudes fundamental to professional nursing practice within a framework of clinical decision-making. The course will emphasize the establishment of the therapeutic nurse-patient relation-ship, and the development of the student's beginning comprehension of the patient's responses to health and illness.

NURS 310 Contemporary Professional Practice for Baccalaureate Nurse (3 Credits)
This course addresses professional communication models, interprofessional collaboration practices, and professional engagement to foster growth and development in nursing theory and practice to advance knowledge and skills. Current and emerging roles of the nurse in contemporary complex healthcare environments will be emphasized.

NURS 320 Integrative Health: Complementary and Alternative Healing in Nursing Practice (3 Credits)
This course provides an overview of the paradigm of integrative health with a focus upon upon complementary practices and alternative models of healing. Evidence-based practice for support for use is explored across the life span, with an emphasis in adult populations. Nursing role implications are addressed.
Pre-Requisite(s): NURS 310

NURS 321 Spirituality and Spiritual Care in Healthcare (3 Credits)
This course addresses the spiritual component of caring for populations in the healthcare continuum. Students are guided in identifying client's spiritual needs while exploring their own spiritual well-being. Application of evidence-based tools and strategies in recognizing spiritual distress and using a collaborative approach to providing spiritual care will be addressed.
Prerequisite: NURS 310 Contemporary Professional Practice

NURS 325 Culture and Diversity in Nursing Practice (3 Credits)
This course addresses expressions of health, illness, caring, and healing from trans-cultural focused perspectives. Culturally congruent nursing care practices encompassing individuals, families, groups, and communities are investigated and developed through Transcultural nursing theory, communication principles and ethics of social justice. A self-assessment approach is utilized to examine culture and diversity.

NURS 326 Bio-Psychosocial Aspects of Women's Health Disparities (3 Credits)
This course focuses on the health issues in women across the lifespan. Health is viewed from the holistic paradigm of biological, physiological, and psychological perspectives, with the integration of cultural implications. Evidence-based literature and implications for nursing practice will be addressed, with emphasis on interdisciplinary health promotional interventions.
Pre-requisite: NURS 310 or Consent of Instructor
Co-requisite: None

NURS 351 Health Assessment for Professional Nurse (3 Credits)
This course focuses on the professional nurse's development of health assessment skills and health promotion techniques across the lifespan. Emphasis is placed on genetic considerations and a culturally sensitive approach to the individual as a whole, both in wellness and in illness. Laboratory practice is integrated throughout the course.
Pre-Requisite(s): ENGL 101, ENGL 102, BIOL 236, BIOL 237, BIOL 303 or science equivalent
Co-Requisite(s): None.

NURS 375 Perspectives in Global Health: Healthcare Implications (3 Credits)
Course presents contemporary issues in global health and implications for nursing practice in global community. Global health is explored through the societal infrastructures of geography, culture, economics, politics, and health delivery systems. Foundational concepts of disease burden and demographics, health ethics, chronicity, populations, and environmental health are applied.
Pre-Requisite(s): NURS 310

NURS 376 Healers, Heretics, and Heroines: A History of Nursing Practice (3 Credits)
This course chronicles the history of the nursing profession through the interpretative lens of historiography and biography. Various social constructs relevant to nursing: class, gender, social justice, race, politics, economics, education, religion, and global conflict are explored through narrative inquiry, literature and the cultural artifacts of film and writing.
Pre-requisite(s): NURS 310 or consent of the advisor.

NURS 400 Adult Health and Illness I (6 Credits)
This course will focus on the nursing care management of adults with common diseases/illnesses. Patients with peri-operative considerations, alterations in pain control, fluid and electrolytes balance, cardiovascular, respiratory, endocrine, hematological, and immunological systems, gastrointestinal, renal, integumentary, neurological, musculoskeletal, male reproductive, and infectious disease systems will be discussed.

NURS 401 Nursing Care of Childbearing Women and Newborns (3 Credits)
This course focuses on nursing care of childbearing family. Emphasis is placed on evidence based practice for health protection, promotion and clinical care of the childbearing family. Care planning incorporates concepts of interprofessional collaboration, cultural cognizance and clinical reasoning to achieve quality outcomes.

NURS 403 Nursing Care of Infants, Children, and Adolescents (3 Credits)
This theory and clinical course addresses the principles of competent holistic pediatric nursing care for infants, children and adolescents experiencing acute and chronic health alterations. A foundation of nursing care is generated through the integration of principles of growth and development, family centered care, cultural assessment, and evidence of best practices.

NURS 404 Concepts in Gerontological Nursing Practice (2 Credits)
This course will focus on the nursing management of geriatric adults. Contemporary theories of gerontology, theories of aging, physiological/psychological functioning, impact of developmental changes, illness, and dysfunction will be emphasized.

NURS 408 Adult Health II: Complex Care (7 Credits)
This course will focus on the nursing care management of acutely ill adults. Acutely ill adults with peri-operative considerations, fluid and electrolytes balance, cardiovascular, respiratory, endocrine, hematological, and immunological systems, gastrointestinal, renal, integumentary, neurological, musculoskeletal, reproductive, and infectious disease systems will be discussed.

NURS 410 Nursing Care of Patients with Behavior Health Issues (3 Credits)
This theory and clinical course addresses the principles of competent holistic psychiatric nursing. A foundation of nursing care is emphasized on contemporary theories of the health and illness continuum; and the impact of developmental theory and cultural framework on the functioning of individuals, families, communities, and vulnerable populations.

NURS 416 Senior Capstone for Entry-Level Nursing Practice (2 Credits)
Course provides for content review of essential concepts and skills from the nursing curriculum. Students complete a self-assessment of NCLEX-RN preparation and apply test-taking strategies to support success. Students apply knowledge and skills to select cases and sit for a comprehensive exit exam to evaluate mastery of content.

NURS 425 Quality and Safety (3 Credits)
This course explores the knowledge, attitudes and skills essential to promote safe and quality centered care utilizing the national based competencies, evidenced based practice, teamwork and collaboration in the practice environment. The course will examine the initiatives needed to transform and embrace safe and quality organizations.

NURS 440 Leadership and Management in Nursing Practice (4 Credits)
This course focuses on application of the principles of leadership and management across the continuum of care. Course emphasizes factors affecting safe and efficient patient care management, the nurse as change agent, evidence-based practice; and regulatory, legislative, and political processed in complex healthcare settings utilizing an interdisciplinary approach.
Pre-Requisite(s): NURS 303, 310, 325
Co-requisite(s): None.

NURS 460 Nursing Research and Evidence Based Practice (3 Credits)
This course explores research methodologies as applied to the nursing discipline. The course will include analysis of selected nursing research studies, identification of re-searchable problems in nursing practice and evidence-based practice. At the end of this course the student is expected to be an informed nursing research consumer.
Pre-Requisite(s): PSYC 230.

NURS 470 Nursing Care of Populations in the Community (3 Credits)
This course addresses theory and practice of population-based nursing. Students are guided in community assessment and interventions to populations with emphasis on health promotion across the lifespan. Students will learn to apply evidence-based tools and strategies in recognizing and reducing health care disparities.

NURS 475 Population Health Nursing (5 Credits)
The course addresses theory and clinical practice of population-based nursing across the lifespan with emphasis on community assessment and interventions to protect, promote and provide high quality nursing care of populations. Evidence-based strategies are utilized to reduce healthcare disparities, promote social justice, and optimize the health of communities.
Pre-Requisite(s): PSYC 150, PSYC 152, NURS 303, NURS 310, NURS 325 and NURS 460

Nursing—Accelerated Program (Second Degree), B.S.N.

Accelerated programs provide innovative educational opportunities to non-nurse college graduates. Completion of this major prepares one for a career as a Registered Nurse working in a wide range of healthcare organizations. Students build on their previous undergraduate experience and transition into the nursing role within a compressed, 12-month timeframe. The curriculum reflects course objectives, content, and clinical learning that are similar to those of a traditional four-year curriculum. However, courses and clinical experiences are offered in an intense, full-time format without breaks between sessions. Clinical experiences in hospitals, laboratories and the community supplement classroom learning as students develop the skills and competencies to provide nursing care across the healthcare continuum and to assume leadership roles in the nursing profession. Students must complete several prerequisites prior to starting the accelerated nursing curriculum.

Demand for graduates of accelerated programs is high. Hospitals, health systems, and other healthcare settings are eager to employ accelerated program graduates. Due to their records of success and well-defined

work ethic that facilitates a more rapid and smooth transition into highly complex healthcare delivery environments.

The requirement for admission to this degree track is a baccalaureate degree from an accredited college or university.

Please note: Applicants must apply through NursingCAS to be considered for admission.

Course requirements for completion of this major are listed below. Courses in the Accelerated BSN track are taken as a part of a cohort, following the prescribed sequence of courses specified below.

Semester 1		Credits
NURS 310	Contemporary Professional Practice for Baccalaureate Nurse [1]	3
NURS 301	Pathophysiology [1]	3
NURS 303	Nursing Informatics and Technology for Quality Patient Care [1]	3
NURS 304	Health Assessment [1]	4
NURS 305	Fundamentals of Nursing [1]	6
NURS 404	Concepts in Gerontological Nursing Practice [1]	2
	Credits	**21**
Semester 2		
NURS 302	Pharmacology in Nursing Practice [2]	3
NURS 400	Adult Health and Illness I [2]	6
NURS 401	Nursing Care of Childbearing Women and Newborns [2]	3
NURS 403	Nursing Care of Infants, Children, and Adolescents [2]	3
NURS 460	Nursing Research and Evidence Based Practice [2]	3
NURS 325	Culture and Diversity in Nursing Practice [2]	3
	Credits	**21**
Semester 3		
NURS 408	Adult Health II: Complex Care [3]	7
NURS 410	Nursing Care of Patients with Behavior Health Issues [3]	3
NURS 416	Senior Capstone for Entry-Level Nursing Practice [3]	2
NURS 425	Quality and Safety [3]	3
NURS 440	Leadership and Management in Nursing Practice [3]	4
NURS 470	Nursing Care of Populations in the Community [3]	3
	Credits	**22**
	Total Credits	**64**

Note: Please reference the NJCU website at www.njcu.edu (http://www.njcu.edu) for the most updated information on this program. Students may also contact the Nursing Department for additional information and advisement.

[1] Pre-requisites NONE. Co-Requisites: NURS 301 Pathophysiology, NURS 302 Pharmacology in Nursing Practice, NURS 303 Nursing Informatics for Quality Patient Care, NURS 310 Contemporary Professional Practice for the Baccalaureate Nurse, NURS 304 Health Assessment Across the Lifespan, NURS 305 Fundamentals of Nursing Practice, NURS 404 Concepts in Gerontological Nursing Practice

[2] Pre-requisites NURS 301 Pathophysiology, NURS 302 Pharmacology in Nursing Practice, NURS 303 Nursing Informatics for Qulaity Patient Care, NURS 310 Contemporary Professional Practice for the Baccalaureate Nurse, NURS 304 Health Assessment Across the Lifespan, NURS 305 Fundamentals of Nursing Practice, NURS 404 Concepts in Gerontological Nursing Practice. Co-requisites: NURS 302 Pharmacology in Nursing Practice, NURS 325 Culture and Diversity in Nursing Practice, NURS 400 Adult Health and Illness I, NURS 402 Nursing Care of Women and Newborns, NURS 403 Nursing Care of Infants, Children and Adolescents, NURS 460 Nursing Research and Evidence Based Practice.

[3] Pre-requisites NURS 301 Pathophysiology, NURS 302 Pharmacology in Nursing Practice, NURS 303 Nursing Informatics for Quality Patient Care, NURS 310 Contemporary Professional Practice for the Baccalaureate Nurse, NURS 304 Health Assessment Across the Lifespan, NURS 305 Fundamentals of Nursing Practice, NURS 404 Concepts in Gerontological Nursing Practice. Co-requisites: NURS 302 Pharmacology in Nursing Practice, NURS 325 Culture and Diversity in Nursing Practice, NURS 400 Adult Health and Illness I, NURS 402 Nursing Care of Women and Newborns, NURS 403 Nursing Care of Infants, Children and Adolescents, NURS 460 Nursing Research and Evidence Based Practice. Co-Requisites: Adult Health II: Complex Care, NURS 410 Nursing Care of Patients with Behavior Health Issues, NURS 440 Leadership and Management in Nursing Practice, NURS 416 Senior Capstone for Entry-Level Nursing Practice, NURS 425 Quality and Safety, NURS 470 Nursing Care of Populations in the Community

Course requirements for completion of this major are listed below. Courses in the Accelerated BSN track are taken as a part of a cohort, following the prescribed sequence of courses specified below.

First Year

Semester 1		Credits
NURS 310	Contemporary Professional Practice for Baccalaureate Nurse [1]	3
NURS 301	Pathophysiology [1]	3
NURS 303	Nursing Informatics and Technology for Quality Patient Care	3
NURS 304	Health Assessment [1]	4
NURS 305	Fundamentals of Nursing [1]	6
NURS 404	Concepts in Gerontological Nursing Practice [1]	2
	Credits	**21**
Semester 2		
NURS 302	Pharmacology in Nursing Practice [2]	3
NURS 400	Adult Health and Illness I [2]	6
NURS 401	Nursing Care of Childbearing Women and Newborns [2]	3
NURS 403	Nursing Care of Infants, Children, and Adolescents [2]	3
NURS 460	Nursing Research and Evidence Based Practice [2]	3
NURS 325	Culture and Diversity in Nursing Practice [2]	3
	Credits	**21**

Semester 3		
NURS 408	Adult Health II: Complex Care [3]	7
NURS 410	Nursing Care of Patients with Behavior Health Issues [3]	3
NURS 416	Senior Capstone for Entry-Level Nursing Practice [3]	2
NURS 425	Quality and Safety [3]	3
NURS 440	Leadership and Management in Nursing Practice [3]	4
NURS 470	Nursing Care of Populations in the Community [3]	3
	Credits	**22**
	Total Credits	**64**

Note: Please reference the NJCU website at www.njcu.edu (http://www.njcu.edu/) for the most updated information on this program. Students may also contact the Nursing Department for additional information and advisement.

1 Pre-requisites NONE. Co-Requisites: NURS 301 Pathophysiology, NURS 302 Pharmacology in Nursing Practice, NURS 303 Nursing Informatics for Quality Patient Care, NURS 310 Contemporary Professional Practice for the Baccalaureate Nurse, NURS 304 Health Assessment Across the Lifespan, NURS 305 Fundamentals of Nursing Practice, NURS 404 Concepts in Gerontological Nursing Practice

2 Pre-requisites NURS 301 Pathophysiology, NURS 302 Pharmacology in Nursing Practice, NURS 303 Nursing Informatics for Qulaity Patient Care, NURS 310 Contemporary Professional Practice for the Baccalaureate Nurse, NURS 304 Health Assessment Across the Lifespan, NURS 305 Fundamentals of Nursing Practice, NURS 404 Concepts in Gerontological Nursing Practice. Co-requisites: NURS 302 Pharmacology in Nursing Practice, NURS 325 Culture and Diversity in Nursing Practice, NURS 400 Adult Health and Illness I, NURS 402 Nursing Care of Women and Newborns, NURS 403 Nursing Care of Infants, Children and Adolescents, NURS 460 Nursing Research and Evidence Based Practice.

3 Pre-requisites NURS 301 Pathophysiology, NURS 302 Pharmacology in Nursing Practice, NURS 303 Nursing Informatics for Quality Patient Care, NURS 310 Contemporary Professional Practice for the Baccalaureate Nurse, NURS 304 Health Assessment Across the Lifespan, NURS 305 Fundamentals of Nursing Practice, NURS 404 Concepts in Gerontological Nursing Practice. Co-requisites: NURS 302 Pharmacology in Nursing Practice, NURS 325 Culture and Diversity in Nursing Practice, NURS 400 Adult Health and Illness I, NURS 402 Nursing Care of Women and Newborns, NURS 403 Nursing Care of Infants, Children and Adolescents, NURS 460 Nursing Research and Evidence Based Practice. Co-Requisites: Adult Health II: Complex Care, NURS 410 Nursing Care of Patients with Behavior Health Issues, NURS 440 Leadership and Management in Nursing Practice, NURS 416 Senior Capstone for Entry-Level Nursing Practice, NURS 425 Quality and Safety, NURS 470 Nursing Care of Populations in the Community

Student Learning Outcomes

Upon completion of the Nursing-Accelerated program, students will be able to:

1. Implement quality population-focused care in the protection, promotion and optimization of the health of individuals, families, and communities across the lifespan.
2. Integrate current evidence and sound clinical reasoning into patient-centered nursing practice.
3. Collaborate with inter-professional healthcare teams in the planning, coordination, and provision of high quality care.
4. Demonstrate culturally congruent nursing care that reflects the worth, dignity, and uniqueness of individuals and groups.
5. Incorporate technology and information to promote safe patient care.
6. Apply organizational, leadership and management concepts to improve health care outcomes, address policy and change in complex health environments.
7. Integrate professional, legal and ethical principles in the role of the nurse.
8. Synthesize concepts derived from liberal education to build on acquired nursing knowledge, skills and values.

Nursing, RN to BSN

The RN to BSN program is designed to guide and mentor nurses with an Associate's Degree, a Diploma in Nursing or Foreign Educated nurses to attain their BSN within a timely fashion. Nurses with Bachelor of Science in Nursing (BSN) degrees are well-prepared to meet the demands placed on today's nurse. BSN nurses are prized for their skills in critical thinking, leadership, case management, and health promotion, and for their ability to practice across a variety of inpatient and outpatient settings. Our program will provide you with the foundation necessary to advance your professional career while providing flexibility for the working RN through **fully online asynchronous courses.**

The NJCU RN to BSN Baccalaureate Nursing Program builds upon all of the course work taught in associate degree and diploma programs plus an in-depth focus of the physical and social sciences, nursing research, population health, nursing leadership and management, and the humanities.

The RN-BSN Program has Articulation Agreements with several partner Associate Degree Nursing Programs.

1. Students must pass NCLEX Licensure Exam prior to taking 400 level Nursing courses.
2. Students will receive up to 30 Prior-Learning Credits for passing NCLEX.

Code	Title	Credits
Required Non-Nursing Courses (can be satisfied by transferred courses):		
MATH 140	Statistics I	3
ENGL 101	Critical Writing and Analysis	3
ENGL 102	Critical Writing and Research	3
BIOL 236	Anatomy & Physiology I	4
BIOL 237	Anatomy & Physiology II	4
BIOL 303	Microbiology	4
PSYC 110	Introduction to Psychology	3
PSYC 150	Developmental: Birth Through Adolescence or PSYC 152	3
NJCU Core BSN Courses:		**27**
NURS 303	Nursing Informatics and Technology for Quality Patient Care	3
NURS 310	Contemporary Professional Practice for Baccalaureate Nurse	3

NURS 325	Culture and Diversity in Nursing Practice	3
NURS 351	Health Assessment for Professional Nurse	3
NURS 425	Quality and Safety	3
NURS 440	Leadership and Management in Nursing Practice	4
NURS 460	Nursing Research and Evidence Based Practice [1]	3
NURS 475	Population Health Nursing	5
NJCU Elective BSN Courses:		**6**
Two (3-credit) Nursing Elective Courses are required as part of the core courses		
NURS 301	Pathophysiology	3
NURS 320	Integrative Health: Complementary and Alternative Healing in Nursing Practice	3
NURS 326	Bio-Psychosocial Aspects of Women's Health Disparities	3
NURS 375	Perspectives in Global Health: Healthcare Implications	3
NURS 376	Healers, Heretics, and Heroines: A History of Nursing Practice	3
LANG 130	Spanish for Health Professionals [3]	3
Total Credits:		**33**

[1] Students must take MATH 140 prerequisite or a co-requisite for NURS 460.
[3] Pre-requisite will be waived for Nursing.

NA

Student Learning Outcomes

Upon completion of the Nursing RN-BSN program, students will be able to:

1. Implement quality population-focused care in the protection, promotion and optimization of the health of individuals, families, and communities across the lifespan.
2. Integrate current evidence and sound clinical reasoning into patient-centered nursing practice.
3. Collaborate with inter-professional healthcare teams in the planning, coordination, and provision of high-quality care.
4. Demonstrate culturally congruent nursing care that reflects the worth, dignity, and uniqueness of individuals and groups.
5. Incorporate technology and information to promote safe patient care.
6. Apply organizational, leadership and management concepts to improve health care outcomes, address policy and change in complex health environments.
7. Integrate professional, legal and ethical principles in the role of the nurse.
8. Synthesize concepts derived from liberal education to build on acquired nursing knowledge, skills and values.

Population Health and Exercise Science

Professional Studies Building, Room 219

201-200-3431

The mission of the Population Health & Exercise Science Department is to identify and educate students who mirror today's society and reflect the University's urban mission. The Department's goals are to:

Offer a range of Population Health, including Public Health Education and Exercise Science programs that provide opportunities for students to function as specialists in professional settings. Provide students with knowledge and skills in their respective discipline that encompasses the breadth and depth of the field.

The Department expects all undergraduates to demonstrate competency in oral and written communication, critical thinking, information literacy, technology and cultural competence. By attaining these competencies, students will be better prepared to be:

Population Health

- Leaders in the Health Sciences field who are able to advocate for the elimination of health disparities and equitable access to health care.
- Critical thinkers and problem solvers when confronting health problems and issues;
- Self-directed learners who have the competence to use basic health information and services in health enhancing ways;
- Effective communicators who organize and convey beliefs, ideas, and information about health issues;
- Culturally competent citizens who recognize how all forms of bias (racism, sexism, prejudice, and power) can impact on the health and well-being of people.
- Eligible and prepared to sit for the National Certified Health Education Specialist (CHES) exam to operate efficiently in professional settings such as schools, community health & social services industries, medical institutions, and voluntary health organizations.

Exercise Science

- Develop professionals with a strong health and exercise science foundation who are able to gain employment in a variety of exercise science related fields
- Prepare students for advanced professional training and graduate degree programs, such as Physical Therapy, Occupational Therapy, and Athletic Training.
- Provide students with the opportunity to gain specific knowledge pertaining to exercise and sport studies;
- Develop a variety of movement skills, and adopt values that facilitate the attainment of autonomous behavior in lifetime fitness and wellness activities.

Erin O'Neill, Chairperson
Assistant Professor of Health Sciences
University of Delaware, B.S.; Virginia Tech, M.S., Ph.D.

Manuela Caciula
Associate Professor of Fitness, Exercise & Sports
Transilvania University of Brasov, B.S., Babes-Bolyai University, M.S. (Sport Management},
Babes Bolyai University, M.S. (Kinesiology), University of Georgia, Ph.D.

Josh Williams
Assistant Professor of Fitness, Exercise & Sports
PhD in Exercise Biochemistry and Molecular Biology, University of Ulster
MSc Sports Nutrition, University of Ulster

BSc Sport and Exercise Sciences, University of Ulster

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Certification of Driver Education (p. 232)
- Health Sciences—Public Health Education, B.S. (p. 233)
- Public Health, Minor (p. 234)
- Exercise Science, B.S. (p. 234)
- Fitness, Exercise and Sports, Minor (p. 236)

Fitness and Exercise Science

FES 1XX Fitness, Exercise & Sport Transfer Credit (0 Credits)

FES 2XX Fitness, Exercise & Sport Transfer Credit (0 Credits)

FES 104 Spinning (R) (2 Credits)
This is an indoor stationary cycling course. Using specially designed bicycles, participants are guided by instructor, through a simulated outdoor bike ride. Students of all fitness levels, age groups and gender population can participate. This course provides an efficient, low impact, high-energy group workout. The instructor integrates motivational techniques, driving music, camaraderie and visualization tools in one complete mind/body exercise program.

FES 105 T'ai Chi I (2 Credits)
Tai Chi is an ancient art of self-defense practiced by monks during the Sung Dynasty (960-1278 B.C.E.). The practice includes synchronized a series of simple graceful movements promoting fitness, vitality in health and well-being. This course will introduce and expose students to basic cognitive and practical Tai Chi principles.

FES 107 Aerobic Dance & Conditioning (3 Credits)
Aerobic dance combines exercise with rhythmical activities. This course is designed to help students understand the basis of aerobic fitness and to provide information for developing a program of exercise that best fits the needs of individuals.

FES 111 Yoga I (2 Credits)
Yoga I teaches the union of opposite through basic practices. This course will introduce basic level of physical execution through sequencing of postures while incorporating breathing with postural variation. Students will learn how to integrate basic principles of yoga philosophy through application and practice which supports holistic teaching and learning.

FES 113 Yoga II (2 Credits)
Yoga II teaches the union of opposites through advanced practices. Students will explore higher levels of physical execution, transitions and sequencing of asanas while effectively incorporating advanced breathing with postural variation and imagery. The transition from practical philosophy to integrated application through continuous practice suppports holistic teaching and learning.
Pre-Requisite(s): FES 105, Tai chi or FES 111, Yoga

FES 116 Swimming Level 1 (2 Credits)
This introductory course is designed for those who cannot swim or for those at a beginner's level of swimming. It includes the study and practice of basic swimming strokes and water safety.

FES 117 Swimming Level 2 (2 Credits)
The study and practice of basic swimming strokes and introduction to springboard diving are offered in this course. The additional skills of floating, treading water, turns, entry into the water and safety are included.

FES 118 Scuba Open Water Dive Course (3 Credits)
This course is performance based, teaching practical and theoretical aspects of scuba diving. Open Water Dives integrate principles and skills learned in Confined Water Dives as students apply both in the open water dive environment. Students who successfully perform learned skills at a designated dive site can receive International Certification.

FES 121 Pilates Flexibility Methods (3 Credits)
This course is focused on improving posture and eliminating unnecessary tension carried in the body through a system of exercises related to the anatomy and physical dynamics of the body. Students learn to recognize the superficial muscles and their actions by practicing alignment, stretching and massage techniques. Drawing and tracing surface muscles is an integral part of this course.

FES 123 Step Aerobics I (3 Credits)
This course provides an introduction to a program of exercises designed to improve cardiovascular capacity. Heart rate monitoring and perceived exertion is learned. Elements of a safe and effective workout are stressed during low impact aerobics using step-benches. This course emphasizes cardiovascular endurance and tones the lower body. The function of the muscular, respiratory, and cardiovascular systems as they relate to exercise are covered.

FES 124 Cardio-Training I (3 Credits)
The emphasis of this course is cardiovascular exercise in a variety of formats. The semester is divided into a minimum of three four-week modules to insure participation in no less than three different aerobic exercise systems. Fitness Center aerobic machines, slides, step aerobics, walking/jogging, water aerobics and circuit training systems are utilized.

FES 140 Perspectives in Personal Health and Wellness (3 Credits)
A personal approach to health and wellness will be explored through self-assessment and practical application to everyday life. The course will focus on health and wellness concepts important in making informed choices about one's physical, mental, and emotional well-being.

FES 150 Emergency Personnel Fitness (3 Credits)
This course introduces the students to the physical, cognitive and emotional demands of academy training. The students will be prepared to pass the physical training requirements of various government, state, and city agencies. Lectures and video presentations will be provided to introduce the students to several health and fitness topics, including the principles of exercise, coronary heart disease risk factors, physical readiness, nutrition, and lifetime health for emergency personnel.

FES 180 Karate-Tae Kwon Do (3 Credits)
This course provides an overview of the history, philosophy, training and practice of the oriental martial art of Tae Kwon Do (Karate). Basic exercises, fundamentals of form, free fighting and self-defense are taught.

FES 186 Introduction to Golf (2 Credits)
An introduction to the fundamental skills and fundamental theories of golf is offered in this course. Basic golf skills are practiced in the gymnasium and during off-campus visits to local golf courses. There is a trip fee.

FES 188 Basic Fencing (3 Credits)
This course, which uses the French foil method, develops students' balance, strength and agility through instruction in parries, beats, and lunges. Bout procedures, techniques and strategies challenge the mind as well as the body. Equipment including vest, glove, mask and foil is provided.

FES 190 Weight Training Methods (3 Credits)
This course closely examines the fundamental principles and physiology of weight training as they apply to the general physical fitness goals of students. An individualized weight training program is developed as each student considers training level, technique and personal goals.

FES 191 Weightlifting/Free Weights (3 Credits)
This course explores the principles underlying strength training and its relationship to human movement. Each student designs an effective program to strengthen musculature while practicing proper free weight lifting techniques. Periodization theory is taught as a model for strength and power gains.

FES 202 Foundations of Physical Fitness (3 Credits)
The emphasis in this course is on the basic knowledge, understanding and value of physical activity that is especially pertinent today in view of the high incidence of hypo-kinetic disease in American society. Classes are organized in a lecture-lab sequence to aid students in developing a knowledge of how to exercise properly and the reasons for exercise. Each student's exercise and fitness requirements are reviewed and assessed.

FES 205 Prevention & Treatment of Athletic Injuries (3 Credits)
This course reviews the practice and theory of athletic training procedures utilized for the immediate and temporary care of trauma, concussions, sprains, abrasions, lacerations and other injuries.

FES 207 Introduction to Exercise Science (3 Credits)
This course provides an introduction to the field of exercise and sport science with particular focus on the key concepts of the sub-disciplines and the diverse range of professional careers associated with physical activity. Students will be exposed to the key issues and challenges of exercise science and sport including the structure of the industry, as well as career opportunities and pathways.

FES 219 Water Safety Instructor (3 Credits)
An analysis of water skills from the beginning through advanced swimming is the focus of this course. Methods of organization and teaching of skills are reviewed. Red Cross certification is awarded to those who qualify.

FES 240 Sports Officiating (3 Credits)
The course will provide the student with insight into the field of sports officiating from the viewpoint of the participants, the official, and the public/media. Various sports and officiating strategies will be presented throughout the semester. Students will gain an increased knowledge and appreciation of the different aspects of sports.
Pre-Requisite(s): FES 124 and FES 190

FES 241 Self: I as Body (3 Credits)
Course is divided into two broad components that bridge a creative and scientific approach to understanding self-identity and the human form. Students study anatomy, the human nude and engage in physical activity. This course connects knowledge, creativity and somatic experience to explore the human form and identity.

FES 303 Athletic Practicum (3 Credits)
This course is a laboratory experience in dealing with the practical work related to athletic training. Students participate in taping and wrapping techniques that will aid in the prevention and rehabilitation of athletic injuries.
Pre-Requisite(s): FES 205 Prevention and Treatment of Athletic Injuries

FES 306 Foundations of Sport and Leisure Studies (3 Credits)
This course analyzes the nature, scope and significance of sport and leisure in today's society. Students are given the opportunity to trace the history and the evolution of theories of sport and leisure as influencing factors facing the individual and society.

FES 310 Sport in American Society (3 Credits)
The study of sport in society as it affects humanities' development, form of expression, systems and the inter-relationships of sport with other elements of culture are the themes of this course.

FES 314 Life Span Motor Development (3 Credits)
This course examines how interactions of the developing and maturing individual, the environment, and the task being performed bring about changes in a person’s movements. It also covers normal and abnormal developmental issues across the full life span, especially in the formative years. Clinical components are incorporated into the course.
Prerequisite(s): PSYC 110 and BIOL 236

FES 315 Structural Kinesiology (3 Credits)
Structural Kinesiology examines the fundamental anatomical analysis of human movement and sports skills. The emphasis of this course is the study of muscles, bones, and joints as they are involved in the science of movement. To a much lesser degree, certain physiological and mechanical principles are addressed.
Prerequisites: BIOL 236 Principles of Anatomy and Physiology I
Corequisite: BIOL 237 Principles of Anatomy and Physiology II
Corequisite: BIOL 237 Principles of Anatomy and Physiology II

FES 320 Sports Nutrition (3 Credits)
A broad overview of the physiological aspects of nutrition and exercise programs are provided in this course. Proper selection of food for different age groups and genders is discussed. Physiological aspects of exercise and its effect on the cardiovascular system, metabolism, obesity and weight control are reviewed. Selection of type, intensity and frequency of an exercise program for children, women, middle-aged and senior citizens is considered.

FES 325 Exercise Testing and Prescription (3 Credits)
Exercise Testing and Prescription provides instruction in performing appropriate and reliable fitness and functional assessment, followed by guidelines for designing customized exercise programs to improve the fitness level of the general and special population.
Pre-requisite(s): FES 315 and BIOL 237

FES 326 Adapted Physical Education (3 Credits)
Adapted Physical Education will provide students in the fields of exercise science with an overview of best practices to adapt physical activity and exercise for individuals with disabilities. More specifically, this course will focus on children and adults with disabilities and/or chronic conditions. Clinical aspects are incorporated into the course.
Pre-requisite: FES 314 Motor Development

FES 344 Psychosocial Aspects of Sport (3 Credits)
Explores the psychological determinants and consequences of physical activity, with an emphasis on psychological factors relevant to enhancing sport performance. Students will also analyze key theories in exercise psychology in order to understand exercise's influence on psychological health outcomes.
Pre-requisite: PSYC 110

FES 407 Responding to Emergencies (3 Credits)
Core knowledge and materials that introduce students to a basic understanding of the human body under normal and adverse conditions are reviewed in this course. The nature, cause and first aid care for emergency health procedures are reviewed. American Red Cross Standard First Aid Certification and C.P.R. Certification may be earned.

FES 409 Organization & Administration of Recreational Programs (3 Credits)
This course examines the techniques and practices pertaining to the organization and administration of sport and recreational services. It covers a variety of procedures such as activity formats, planning, program development and other managerial procedures.

FES 410 Motor Control and Learning (4 Credits)
This course examines the behavioral, physiological, and psychological principles underlying motor control and motor learning. Specific topics include classifications and measurement of motor performance; the role and function of sensory processes, perception, memory, attention; and the delivery of feedback and structure of practice. Clinical aspects are incorporated into the course.

FES 412 Methods and Materials of Teach (3 Credits)
This course is a study of various methods for organized instruction and planning in recreational sports using available equipment and facilities. Motivational, promotional awards and tournament systems are studied along with safety procedures.

FES 414 Contemporary Issues in Exercise Science (3 Credits)
Students examine contemporary research and new/contentious issues in exercise science. Students discuss relevant issues facing society regarding exercise, fitness, athletic performance, kinematic movement, motor development, and biomechanical analysis. The course challenges students to analyze and synthesize current topics and offer solutions to benefit exercise science research and related industries.

FES 415 Biomechanics of Sport and Exercise (3 Credits)
This course explains how human movement is achieved through a complex and highly coordinated mechanical interaction between bones, muscles, ligaments and joints within the musculoskeletal system. Students will explore how this system responds and generates its own internal forces and will apply biomechanical principles to analyze movement and improve performance.

FES 422 Exercise Physiology (3 Credits)
This course examines the structure and function of skeletal muscles, energy sources, oxygen requirements for muscular activity and fitness assessment, and exercise prescriptions. This is a required course for the students completing the Fitness Minor.
Pre-Requisite(s): BIOL 236, and BIOL 237

FES 450 Internship in Exercise Science (3 Credits)
The Exercise Science practicum/internship is designed to give the student experiential learning in the areas of athletic training, health/ fitness/wellness, physical/ occupational therapy or physical education/ sport management. It is a culminating activity which links classroom instruction to a career.
Prerequisites: FES 205, FES 325, and FES 407

Health Sciences (HLTH)

HLTH 1XX Health Science Transfer Credit (0 Credits)

HLTH 2XX Health Science Transfer Credit (0 Credits)

HLTH 201 Seminar in Health Sciences (1 Credit)
This seminar is designed to introduce students to the field of health sciences. Career options in the health professions are explored including a discussion of cooperative education and senior internship experiences. Skills essential to securing a position are also discussed.

HLTH 203 Cultural Aspects of Health (3 Credits)
This course offers a broad study of cultural and ethnic backgrounds and their effects on personal and community health. Discussions focus on the ways in which different societies attempt to meet basic health needs.

HLTH 205 Public Health Aspects of Nutrition (3 Credits)
This course includes a study of nutritional principles and their application to health maintenance, energy, metabolism, calorie requirements of the human body and weight control. The etiology of obesity and the risk factors that contribute to health problems because of under-nutrition, over-nutrition and malnutrition are discussed.

HLTH 206 Substance Abuse (3 Credits)
Recent developments in substance abuse are considered in this course. Focus is on the scope of problems, possible solutions and treatment and rehabilitation of the substance abuser.

HLTH 207 Human Sexuality (3 Credits)
This course examines the various areas of human sexuality, such as, sexual attitudes and behaviors, human reproduction, contraceptives, gender identity and relationships and sexually transmitted diseases (STDs) including AIDS. Education and prevention initiatives are discussed. A major focus is placed on enhancing students' levels of comfort, as well as developing an understanding and appreciation of cross-cultural differences in human sexuality.

HLTH 210 Introduction to Public Health (3 Credits)
This course examines the principles and practices of public health at the local, state, national and international levels. The importance of personal and community action to solve public health problems is the focus of study, with discussion of major public health issues in environmental health, health education and chronic, communicable and infectious disease.

HLTH 211 Consumer Health (3 Credits)
Consumer issues such as health insurance, legal rights of consumers, informed consent and medical malpractice are examined in this course. Problems consumers may experience when attempting to purchase health care products and use the health/medical care system are also explored. The course attempts to prepare students to look critically at the myriad of health services and providers available to them, using current scientific research. Students' personal experiences and interests, as consumers of health, are drawn upon in class.

HLTH 220 Introduction to Human Disease (3 Credits)
This course examines human disease from a systems and eco-social approach. It is an introductory course designed for those interested in learning about human disease. The disease process and the body's defenses against disease are covered. The general characteristics, symptoms, treatment and prevention of communicable and noncommunicable diseases will be addressed.
Pre-Requisite(s): BIOL 224 or BIOL 236 and 237.

HLTH 300 Women and Health (3 Credits)
This course addresses the major areas in women's health such as the health status of women, women as health workers, reproductive health, chronic diseases, older women's health issues, sexually transmitted disease, eating disorders and occupational and environmental health. The focus is on policy analysis and program planning.

HLTH 301 Health Counseling (3 Credits)
Theories of health counseling are discussed and the practice of health counseling is studied as an approach to voluntary change in an individual's behavior. Students engage in self- analysis and develop personal plans to help prevent illness, maintain health and/or cope with existing problems. Current trends in patient education are discussed.

HLTH 302 Mental Health (3 Credits)
This course provides students with an overview of current mental health problems and the community resources that address them. It presents an overview of emotional and behavioral problems that may affect physical well-being. Particular emphasis is placed on social, mental and physical interaction in a variety of community settings.

HLTH 303 Environmental Health (3 Credits)
An overview of the environment and the environmental factors that affect health and well-being, are studied in this course. Although students assess their own communities and discuss environmental issues in New Jersey, a global perspective is maintained.

HLTH 304 Biostatistics (3 Credits)
This course presents procedures in the collection, summarization, presentation and analysis of data in the health sciences. Elements of statistical inference including sampling, probability distributions, tests of hypotheses, confidence interval estimation, types of error, the t-test and chi-square test are discussed. Pre-requisite: ACR in mathematics successfully completed.
Pre/Co-Requisite: MATH 140

HLTH 305 Safety Education & First Aid (3 Credits)
Principles of safety and the identification of responsibilities of community agencies and the individual are examined in this course. Types of accident hazards, conditions causing them and the extent of accidents at the national, state and local levels are discussed.

HLTH 310 Public Health Issues of Immigration (3 Credits)
This course will prepare administrators, health educators, school nurses, social workers, teachers and other providers to detect, identify, evaluate and determine possible interventions for this vulnerable population. The first part of this course will introduce issues in international population movement to provide a context for discussion of U.S. immigration policy. The impact of the immigrant's status, i.e. legal, undocumented, or refugee on ability or willingness to interact with educational of medical institutions will be discussed. Differences in causes of morbidity and mortality in different parts of the world and public health issues and concerns will be addressed. The role of culture and beliefs will be a strong theme that underlies all aspects of the course and the work of developmental theorists and theories as they relate to social and cultural constructs of public health will be utilized.

HLTH 402 Health Education Theories and Techniques (3 Credits)
This course is designed to move between the theoretical bases for health education program development and the practical applications of such theories. Initial class sessions focus on establishing a framework for development of educational programs.

HLTH 405 Health Planning (3 Credits)
This course is designed to help students develop knowledge and understanding of the planning and evaluation of health programs. The roles and responsibilities of public, private and voluntary health agencies and organizations are explored. Individually, and in groups, students investigate the sociological, economic and environmental causes of health problems at the community level and identify the role of government and public/private organizations and agencies in addressing those problems. A course requirement is to write and present a health program plan for a specific population.

HLTH 415 Family Living & Sex Education (3 Credits)
The American family, past and present, and its evolution are studied in this course. Emphasis is placed on mate selection, human sexuality, interpersonal relations, planning for parenthood, childbearing and the various stages of the family life cycle, alternate life-styles and future trends.

HLTH 418 Methods and Curriculum in Health Education (3 Credits)
Studied will be a systematic organization of instructional materials and teaching strategies. Key--systematic approaches (methodologies) will be studies in the cognitive affective, and psychomotor domains. Students will learn to critically think and evaluate instructional materials and strategies of presentation (K-12). Certification requirements for health educators will be satisfied by this course. The course could not be applied to graduate credit.

HLTH 425 Epidemiology (3 Credits)
This course is an introductory study of the nature and causes of communicable diseases. Measures of morbidity and mortality are reviewed and the concept of risk factors are discussed by looking at how disease is distributed in a population by person, place and time factors. Various types of research methodologies employed by epidemiologists are examined. A computer application of a food borne disease is included in the course work and methods of screening for disease are also covered. Some common childhood and adolescent communicable diseases are reviewed.
Co-requisite: HLTH 304 Biostatistics, MATH 140 Statistics I

HLTH 430 Health Science Field Study (3 Credits)
The analysis of health problems in selected countries and their sociological, political and economic relationships to specific geographical areas are the focuses of this course. The origin, orientation and purposes of agencies and organizations functioning in the international health domain are studied. (Travel plans to be arranged.)

HLTH 434 School & Community Health (3 Credits)
This course is an introduction to the various elements of school and community health education programs. The philosophy of health education and practices and principles for program development are explored.

HLTH 435 Public Health Education Internship (full time) (6 Credits)
This supervised field experience is required in the senior year. It consists of 16 weeks (Fall or Spring semester) of full-time, supervised experience in various health agencies upon completion of all other requirements. This advanced experience provides students opportunities to apply the principles, techniques and procedures learned in the classroom to actual working situations in preparation for assuming the role of a qualified health educator in a variety of health agencies.
Pre-Requisite(s): HLTH 402 and 405.

HLTH 450 Community Health Research (3 Credits)
This course provides an introduction to the research process, study design, methods and data collection. Skills necessary for reading and understanding research are presented. Students will apply research concepts to analyze and describe recent research in the field. They will implement the research process by conducting a survey research project.
Co-Requisite(s): BIOL 304

HLTH 503 Defensive Driving Teaching Techniques (3 Credits)
The purpose of the course is to develop classroom and behind-the-wheel perceptual (IPDE) instructional skills. Students explore the habits, attitudes, and practices confronting drivers. Instructional strategies that can be applied to a six hour defensive driving course are also developed.

HLTH 505 Contemporary Methods, Materials and Evaluation in Driver Education (3 Credits)
This course is designed to enrich the background of certified traffic safety educators. The latest instructional materials (audio-visual and computer software) are reviewed. Behind- the-wheel time is also included.

HLTH 506 Trends and Issues in Driver Education (3 Credits)
This is a seminar on current issues confronting traffic safety educators. Presentations and reports from the U.S. Department of Transportation provide the focus of group discussions and reports. Insight into the needs and problems of both schools and community traffic programs is the primary goal. The course helps traffic educators design more effective courses of study. The course is required for permanent New York State certification.

HLTH 507 Principles of Safety and Accident Prevention (3 Credits)
The psychology of human behavior as it relates to risks individuals take and to safety in school and community is the focus of this course. Domestic, industrial and school safety problems are studied. Liability issues relevant to education are also explored. This is a required course for permanent New York State certification.

HLTH 1435 Public Health Education Internship (Part Time) (3 Credits)
This supervised field experience is required in the senior year. It is to be taken twice over two consecutive semesters and consists of supervised experience in various health agencies upon completion of all other requirements. This advanced experience provides students opportunities to apply the principles, techniques and procedures learned in the classroom to actual working situations in preparation for assuming the role of a qualified health educator in a variety of health agencies.
Pre-Requisite(s): HLTH 402 and 405.

Certification of Driver Education*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

Certification of Driver Education

New Jersey City University has the longest-standing Driver Education Program in the nation.
The certificate programs enhance a bachelor degree in health sciences and supports state certifications.

The program offers:

- Classes on-campus and online
- Courses are facilitated by faculty who make driver instruction a high-quality, personal educational experience
- Courses are offered with classroom and behind the wheel instruction
- Graduate credit may be attained for 500-level courses, by students holding a baccalaureate degree from an accredited college or university

Certifications:
- New Jersey Certification of Driver Education
- New York (Provisional-One Year) Certification of Driver Education
- New York (Permanent) Certification of Driver Education

Certification of Driver Education

Prerequisites

The student must show evidence of coursework in Health and Physical Education to obtain the official state Driver Education Teaching certification in New Jersey/New York.

New Jersey Certification for Driver Education

The requirements to earn this certificate include: a valid New Jersey driver's license of three or more years; a Bachelors degree with certification in health sciences or physical education; and complete one of the following courses.

Code	Title	Credits
Required Course Credits:		**3**
Select one of the following course for official certification		
HLTH 503	Defensive Driving Teaching Techniques	3
HLTH 505	Contemporary Methods, Materials and Evaluation in Driver Education	3

New York Provisional Certification for Driver Education

The requirements to earn this certificate include: a valid New York driver's license of two or more years; a Bachelors degree; and complete the following six credits.

Code	Title	Credits
Required Courses:		
HLTH 503	Defensive Driving Teaching Techniques	3
HLTH 505	Contemporary Methods, Materials and Evaluation in Driver Education	3
Total Credits		6

New York Permanent Certification for Driver Education

Students must complete the following six additional credits.

Code	Title	Credits
Required Courses:		
HLTH 506	Trends and Issues in Driver Education	3
HLTH 507	Principles of Safety and Accident Prevention	3
Total Credits		6

Health Sciences—Public Health Education, B.S.

About This Degree

The mission of the public health education program is to prepare entry-level health education specialists in the community and public health field who have skills such as health planning, program implementation and evaluation, and health advocacy for diverse populations in a variety of health promotion settings.

The Public Health Education program is a competency-based program with a sequence of courses that are designed to meet the needs of a public health educator. The curriculum builds on theory-based health models, health knowledge, and applying theory to practice. This is accomplished through student projects, case studies, health agency site visits, internships, and other learner-centered activities in partnership with the Health Sciences Student Organization (https://www.instagram.com/njcu_hsso/) and public health community partners.

The Public Health Education program presents opportunities for students to conduct community needs assessments to organize, implement, and evaluate health programs to bring about sustainable change. Completion of this major prepares one to assume an entry-level position as a health educator or a public health professional. The program also prepares graduates to take the national Certified Health Education Specialist (CHES) exam as offered by the National Commission for Health Education Credentialing (https://www.nchec.org/). Continued study may include a master's degree in public health, health education, or other population health areas of discipline.

The requirements for admission to, and graduating from this degree track are:

- A minimum cumulative undergraduate grade point average (CGPA) of 2.75.

The requirements for admission to this degree track are:

- A minimum cumulative undergraduate grade point average (CGPA) of 2.75.

Code	Title	Credits
Pre-Requisites		
These courses are required before entering the major and may also meet university general education requirements.		
EESC 325	GIS for the Urban Community	3
BIOL 106	Practical Nutrition	3
BIOL 236	Anatomy & Physiology I	4
BIOL 237	Anatomy & Physiology II	4
MATH 140	Statistics I	3

Code	Title	Credits
Introductory Classes		**13**
HLTH 201	Seminar in Health Sciences	1
HLTH 203	Cultural Aspects of Health	3
HLTH 210	Introduction to Public Health	3
HLTH 211	Consumer Health	3
HLTH 220	Introduction to Human Disease	3
Intermediate Courses		**9**
HLTH 301	Health Counseling	3
HLTH 303	Environmental Health	3
HLTH 304	Biostatistics	3
Advanced Courses		**21**
HLTH 402	Health Education Theories and Techniques	3
HLTH 405	Health Planning	3
HLTH 425	Epidemiology	3
HLTH 434	School & Community Health	3
HLTH 450	Community Health Research	3
HLTH 435	Public Health Education Internship (full time)	6
Or,		
HLTH 1435	Public Health Education Internship (Part Time) [1]	3
Electives Take 3 of the following		**9**
HLTH 205	Public Health Aspects of Nutrition	3
HLTH 206	Substance Abuse	3
HLTH 207	Human Sexuality	3
HLTH 300	Women and Health	3
HLTH 302	Mental Health	3
HLTH 305	Safety Education & First Aid	3
HLTH 310	Public Health Issues of Immigration	3
HLTH 415	Family Living & Sex Education	3
HLTH 430	Health Science Field Study (Total Credits)	3
Total Credits [2]		**52**

[1] HLTH 435 (240 hours) or HLTH 1435 (120 hours taken twice over two consecutive semesters for a total of 240 hours)

[2] 69 credits with Pre-requisites

Freshman		
Semester 1		**Credits**
MATH 140	Statistics I	3
BIOL 106	Practical Nutrition	3
	Credits	**6**
Semester 2		
HLTH 210	Introduction to Public Health	3
EESC 325	GIS for the Urban Community	3
	Credits	**6**
Sophomore		
Semester 1		
HLTH 201	Seminar in Health Sciences	1
BIOL 236	Anatomy & Physiology I	4
	Credits	**5**
Semester 2		
HLTH 203	Cultural Aspects of Health	3
HLTH 211	Consumer Health	3
BIOL 237	Anatomy & Physiology II	4
	Credits	**10**
Junior		
Semester 1		
HLTH 220	Introduction to Human Disease	3
HLTH 303	Environmental Health	3
HLTH 304	Biostatistics	3

HLTH 402	Health Education Theories and Techniques	3
	Credits	**12**
Semester 2		
HLTH 301	Health Counseling	3
HLTH 405	Health Planning	3
HLTH 425	Epidemiology	3
HLTH Elective		3
	Credits	**12**
Senior		
Semester 1		
HLTH 434	School & Community Health	3
HLTH elective course		3
HLTH elective course		3
	Credits	**9**
Semester 2		
HLTH 435	Public Health Education Internship (full time)	6
HLTH 450	Community Health Research	3
	Credits	**9**
	Total Credits	**69**

Student Learning Outcomes

Upon completion of the Health Sciences Public Health Education BS program, students will be able to understand and demonstrate the "Eight Responsibilities" of Certified Health Education Specialists as put forth by the National Commission of Health Education Credentialing, Inc. (NCHEC):

1. Area I: Assess needs, assets and capacities for health education.
2. Area II: Plan health education/promotion.
3. Area III: Implement health education/promotion.
4. Area IV: Conduct evaluation and research related to health education/promotion.
5. Area V: Advocate for health education/promotion.
6. Area VI: Serve as a health education/promotion resource person.
7. Area VII: Serve in leadership roles to manage health education/promotion
8. Area VIII: Uphold ethics and professionalism in health education & promotion

Public Health, Minor*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The minor in Public Health provides student with increased understanding of health issues in the community setting. This minor complements majors in the social sciences and is recommended for those who plan to work in community settings, such as non-profit or voluntary agencies.

Code	Title	Credits
Required Courses		
HLTH 210	Introduction to Public Health	3
HLTH 303	Environmental Health	3
HLTH 425	Epidemiology	3
Complete three (3) of the following (9 credits)		
HLTH 205	Public Health Aspects of Nutrition	3
HLTH 206	Substance Abuse	3
HLTH 207	Human Sexuality	3
HLTH 211	Consumer Health	3
HLTH 301	Health Counseling	3
HLTH 302	Mental Health	3
HLTH 304	Biostatistics	3
HLTH 405	Health Planning	3
HLTH 415	Family Living & Sex Education	3
HLTH 434	School & Community Health	3
Total Credits		**18**

Public Health Minor Outcomes:

Explain the Role of Public Health

- Describe the history, philosophy, and functions of public health in society, including its impact on population health outcomes.

Identify Determinants of Health

- Analyze how social, behavioral, environmental, economic, and biological factors influence health and contribute to health disparities.

Demonstrate Basic Epidemiological Understanding

- Explain core concepts of epidemiology and its role in preventing disease and promoting health in diverse populations.

Apply Public Health Concepts to Real-World Issues

- Use public health principles to examine contemporary health challenges and propose evidence-based strategies to address them.

Communicate Public Health Information Effectively

- Demonstrate the ability to clearly communicate public health information to various audiences, using appropriate methods and tools.

Collaborate Across Disciplines

- Demonstrate an understanding of how interdisciplinary collaboration supports effective public health practice.

*Students who wish to sit for the Certified Health Education Specialist (CHES) Exam will need to take 24 total credits of selected HLTH classes. Consult with a Department advisor for more information.

Exercise Science, B.S.

The primary objective of the New Jersey City University (NJCU) Bachelor of Science in Exercise Science degree program is to develop professionals with a strong exercise science foundation who are able to enter directly into the job market or one of many exercise science-related

graduate degree programs. The Bachelor of Science Degree in Exercise Science is intended to prepare its graduates with the ability to apply knowledge of health and exercise interventions in a variety of settings and situations. It will enable students to acquire the skills necessary to gain employment in a variety of exercise science-related professional fields and prepare students for advanced professional training in the areas of Physical Therapy, Occupational Therapy and Athletic Training.

Minimum GPA Requirements: Students Must Maintain a CGPA of 2.75

- Students interested in pre-professional/graduate school options such as Doctor of Physical Therapy and Athletic Training are encouraged to select Electives such as Chemistry, Physics, Psychology, and an advanced Math and statistics to meet program entry requirements.
- Students interested in career/applied pathways are encouraged to build their practical skill set, while also focusing other elective choices on building additional competencies (business, health promotion, etc.).
- Students who complete the Special Electives for the Doctor of Physical Therapy Track are not required to complete FES Electives.

Code	Title	Credits
Prerequisites (These courses are required before entering the major and may also meet university general education requirements)		**17**
MATH 112	Intermediate Algebra	4
BIOL 236	Anatomy & Physiology I	4
BIOL 237	Anatomy & Physiology II	4
HLTH 203	Cultural Aspects of Health	3
PSYC 110	Introduction to Psychology	3
Required Courses		**43**
FES 205	Prevention & Treatment of Athletic Injuries	3
FES 207	Introduction to Exercise Science	3
FES 314	Life Span Motor Development	3
FES 315	Structural Kinesiology	3
FES 320	Sports Nutrition	3
FES 325	Exercise Testing and Prescription	3
FES 326	Adapted Physical Education	3
FES 344	Psychosocial Aspects of Sport	3
FES 407	Responding to Emergencies	3
FES 410	Motor Control and Learning	4
FES 422	Exercise Physiology	3
FES 414	Contemporary Issues in Exercise Science	3
FES 415	Biomechanics of Sport and Exercise	3
FES 450	Internship in Exercise Science	3
FES Electives, (Choose a minimum of four courses)		**12**
FES 104	Spinning (R)	2
FES 111	Yoga I	2
FES 113	Yoga II	2
FES 116	Swimming Level 1	2
FES 117	Swimming Level 2	2
FES 118	Scuba Open Water Dive Course	3
FES 121	Pilates Flexibility Methods	3
FES 123	Step Aerobics I	3
FES 124	Cardio-Training I	3
FES 180	Karate-Tae Kwon Do	3
FES 188	Basic Fencing	3
FES 190	Weight Training Methods	3
FES 202	Foundations of Physical Fitness	3
FES 310	Sport in American Society	3
Special Electives, (Choose a minimum of 3 courses		**9**
BIOL 130	Principles Biology I [1]	4
BIOL 131	Principles Biology II [1]	4
CHEM 100	Preparation for General Chemistry [1]	3
CHEM 105	General Chemistry I Lecture [1]	3
CHEM 1105	General Chemistry I Recitation/Laboratory [1]	2
CHEM 106	General Chemistry II Lecture [1]	3
CHEM 1106	General Chemistry II Recitation/Laboratory [1]	2
MATH 140	Statistics I [1]	3
MATH 175	Enhanced Precalculus	4
PHYS 100	Preparation for Physics [1]	3
PHYS 140	Principles of Physics I - Lecture [1]	3
PHYS 1140	Principles of Physics I - Laboratory and recitation [1]	1
PHYS 141	Principles of Physics II - Lecture [1]	3
PHYS 1141	Principles of Physics II - Laboratory and Recitation [1]	1
PSYC 150	Developmental: Birth Through Adolescence [1]	3
Total Credits		**64**

[1] Required for Physical Therapy

[2] Students on the Doctor of Physical Therapy Track are required to complete BIOL 130, BIOL 131, CHEM 105 and 1105, CHEM 106 and 1106, PHYS 140 and 1140, PHYS 141 and 1141, PSYC 150 and MATH 140. Also, students on the Masters in Athletic Training Track are required to complete MATH 140, CHEM 100 and PHYS 100.

[3] BIOL Prerequisites 130 and 131 are waived for majors in Exercise Science but must be completed by students on the DPT track.

Freshman		
Semester 1		**Credits**
PSYC 110	Introduction to Psychology	3
MATH 112	Intermediate Algebra	4
	Credits	**7**
Semester 2		
FES 207	Introduction to Exercise Science	3
	Credits	**3**
Sophomore		
Semester 1		
HLTH 203	Cultural Aspects of Health	3
BIOL 236	Anatomy & Physiology I	4
FES 205	Prevention & Treatment of Athletic Injuries	3
	Credits	**10**
Semester 2		
BIOL 237	Anatomy & Physiology II	4

FES 320	Sports Nutrition	3
	Credits	**7**
Junior		
Semester 1		
FES 314	Life Span Motor Development	3
FES 326	Adapted Physical Education	3
FES 407	Responding to Emergencies	3
	Credits	**9**
Semester 2		
FES 325	Exercise Testing and Prescription	3
FES 315	Structural Kinesiology	3
	Credits	**6**
Senior		
Semester 1		
FES 422	Exercise Physiology	3
FES 414	Contemporary Issues in Exercise Science	3
FES 344	Psychosocial Aspects of Sport	3
	Credits	**9**
Semester 2		
FES 410	Motor Control and Learning	4
FES 415	Biomechanics of Sport and Exercise	3
FES 450	Internship in Exercise Science (Elective (FES or Special))	3
	Credits	**10**
	Total Credits	**61**

1 FES Elective refers to Departmental Electives. Examples can be found here (p. 235). Students on the Doctor of Physical Therapy track are not required to complete FES Electives.

2 Special Electives refer to courses offered in any college and program. Students on the Doctor of Physical Therapy Track are required to complete BIOL 130, BIOL 131, CHEM 105 and 1105, CHEM 106 and 1106, PHYS 140 and 1140, PHYS 141 and 1141, PSYC 150 and MATH 140. Also, students on the Masters in Athletic Training Track are required to complete MATH 140, CHEM 100 and PHYS 100.

3 BIOL Prerequisites 130 and 131 are waived for majors in Exercise Science but must be completed by students on the DPT track.

Student Learning Outcomes

Upon completion of the Exercise Science BS program, students will be able to:

1. Understand the factual and theoretical bases of kinesiology, exercise physiology, and biomechanics of human movement.
2. Develop knowledge of special physiology concerns for any population.
3. Assess personal health, attitude, and behaviors.
4. Develop ability to think critically about human movement.
5. Assess quantitative and qualitative movement for healthy and chronically ill individuals.
6. Evaluate research related to controversial issues in various disciplines within exercise science.
7. Demonstrate proficiency in the knowledge, skills, and abilities identified by the American College of Sports Medicine (ACSM).

Fitness, Exercise and Sports, Minor

The Minor in Fitness, Exercise, and Sports provides students an opportunity to gain specific knowledge pertaining to exercise and sport studies.

Students minoring in FES with concentration in Wellness and Exercise Instruction will receive evidence-based academic training in the areas of exercise testing, prescription, and exercise instruction. Also, they will acquire a variety of motor skills, and adopt values that facilitate the attainment of autonomous behavior in lifetime fitness, safety, and wellness activities.

Students who minor in Fitness, Exercise, and Sports must complete the following prerequisites:

PSYC 110 - Introduction to Psychology (3 credits)

FES 207 - Introduction to Exercise Science (3 credits)

FES Minor with concentration in Wellness and Exercise Instruction:

FES 202 - Foundations of Physical Fitness (3 credits)

FES 325 - Exercise Testing and Prescription (3 credits)

FES 320 - Sports Nutrition (3 credits)

FES 407 - Responding to Emergencies (3 credits)

Choose any for a minimum of 6 credits

FES 104 - Spinning (2 credits)

FES 111 - Yoga I (2 credits)

FES 116 - Swimming Level 1 (2 credits)

FES 118 - Scuba Open Water Dive Course (3 credits)

FES 121 - Pilates Flexibility Methods (3 credits)

FES 123 - Step Aerobics I (3 credits)

FES 124 - Cardio-Training I (3 credits)

FES 190 - Weight Training Methods (3 credits)

FES 310 - Sports in American Society (3 credits)

School of Business

```
Harborside Plaza 2
200 Hudson Street
Jersey City, NJ 07311
```

201-200-2001

Dr. J (HDONG@njcu.edu).D, Jayaraman, (jjayaraman@njcu.edu) Interim Dean

Deatra Ashley (dashley@njcu.edu), Assistant to the Dean

At the NJCU School of Business (https://www.njcu.edu/academics/schools-colleges/school-business), home to the Accounting, Finance, Management and Marketing departments. Our diverse international student body and accomplished faculty ensure that each of our classes

provides a rich globally connected experience. Our location in Jersey City's Harborside Financial District and our proximity to New York City employers provides us with unparalleled access to business leaders, many of whom teach as adjunct faculty in our programs. We offer cutting edge degree programs in increasingly important fields such as Business Analytics and Data Science, Global Business, and Logistics, Supply Chain and Maritime Port Management. In Accounting, we offer an Accounting BS/MS Bridge Program.

Our rigorous programs are focused on providing our students with the skills and experience they need to become data-driven leaders in their given fields. Our students receive a strong theoretical understanding of constant changes facing employers in the rapidly evolving global business environment, while gaining hands on experience through internships and our cooperative education programs. Many students take advantage of the opportunity to study abroad with our international partner universities in Asia, Europe and South America.

High-achieving students aspiring to complete both a bachelor's and master's degree in Accounting at NJCU may be eligible to accelerate their program of study by completing up to nine (9) credits of graduate work during their final year of the bachelor's degree. Credits may be applied to both undergraduate and graduate degree Accounting programs at the discretion of the School of Business Dean's Office.

We invite you to visit our outstanding facility adjacent to Jersey City's Exchange Place PATH station. For more information or to learn how you can enroll in our programs please email schoolofbusiness@njcu.edu or call 201-200-2001.

ACCREDITATION

Undergraduate Business Programs are accredited by the Accreditation Council for Business Schools and Programs (ACBSP). Programs accredited by ACBSP are noted on the individual program page.

Accounting

Accounting Department (https://www.njcu.edu/academics/schools-colleges/school-business/departments/accounting)
200 Hudson Street, Harborside 2
(201) 200- 3353

Accounting is the means by which a company or organization communicates its financial information. It is for this reason many call it the "language of business." Individuals who are fluent in this language are valuable contributors to the business world, which is perhaps why accounting is one of the most popular majors among college students. An accounting major who earns a bachelor's or graduate degree has a variety of career options from which to choose after graduation.

Studying accounting includes learning about financial accounting—the reporting of an organization's financial information—and managerial accounting—the use of that data to measure the entity's performance and inform decisions about its future and controls. An accounting major learns how companies' and other organizations' financial records are prepared and maintained, studying taxation, auditing, and financial reporting.

The US Bureau of Labor Statistics notes that accountants will continue to be in demand for the foreseeable future, especially in light of increasing globalization and the accompanying complexity of the tax and regulatory environment. In fact, it's projected that the accounting field will experience 4% growth through 2029.

Independent of the projected growth in the profession, accounting is a field that may help graduates prepare for work with a variety of businesses. As more businesses go public, and as taxes and regulations become more complex, the need for accountants in a diverse array of fields is likely to increase. In general, accountants deal with numbers, but the nature of the businesses for which they work spans the breadth of the economy.

Ling Yang, CPA, Chairperson (lyang@njcu.edu)
Associate Professor of Accounting
Virginia Commonwealth University, MACC., Ph.D.

Nava Cohen
Associate Professor Ecole Normale Superieure, France, B.Sc., M.A.; University Paris-Dauphine, M.Sc.; ESSCC Business School, France, Advanced M.Sc., Ph.D.

Michael O'Neill (moneill@njcu.edu), CPA, CGMA
Senior Lecturer of Accounting
Fairleigh Dickinson University, B.S., M.B.A.

LiJun Ruan
Associate Professor of Accounting
Tulane University, M.S.; University of Houston, Ph.D.

Afaf Shalaby
Professor of Accounting
Tanta University, Egypt, B.B.A.; Pace University, M.B.A.; Rutgers University, Ph.D.

Mingshan Zhang (mzhang@njcu.edu)
Associate Professor of Accounting
Tsinghua University, China, B.A., M.A.; University of Pennsylvania, M.A.; Anderson School of Management at UCLA, Ph.D.

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Accounting, B.S. (p. 240)
- Accounting—Bridge Program to the M.S. in Accounting, B.S. (p. 242)

Accounting (ACCT)

ACCT 1XX Accounting Transfer Credit (0 Credits)

ACCT 2XX Accounting Transfer Credit (0 Credits)

ACCT 240 Survey of Accounting (3 Credits)
A nontechnical introduction to the principles of financial and managerial accounting with emphasis on the use and interpretation of financial reports, managerial planning, and control. The course is for individual who seeks a basic knowledge of accounting and its applications.

ACCT 251 Financial Accounting (3 Credits)
This course provides an overview of the fundamental concepts and principles underlying financial accounting. Emphasis is placed on how financial information is accumulated and reported using both manual and software-facilitated approaches. Students learn about the various accounting systems and major accounting elements such as assets, liabilities, income, and expenses. The course also introduces basic data analytics concepts and how they are utilized for financial analysis.

ACCT 252 Management Accounting (3 Credits)
This course provides an overview of the fundamental concepts and principles underlying management accounting. Emphasis is placed on cost behavior and the application of cost concepts to managerial decision processes. Students are introduced to basic cost-volume-profit analysis and other techniques used to inform the decisions of managers in practice, including capital budgeting and investment analysis.
Pre-Requisite(s): ACCT 251 Financial Accounting

ACCT 253 Quick Books (3 Credits)
This course is intended for both accounting and non-accounting majors who wish to develop their accounting skills in a computerized environment. The major objective of this course is to provide a hands-on approach to acquiring accounting skills within a modern integrated accounting system. The current QuickBooks Proversion will be employed in conjunction with case-based assignments.

ACCT 310 Data Analytics for Accountants (3 Credits)
Students will learn how to transform big data into insights. Students will learn how they can solve problems using big data set. They will be taught the framework for data analysis and will use tools such as Excel, Microsoft Power BI, R and Tableau for data analysis and data visualization.

ACCT 315 Data Driven Financial Statement Analysis (3 Credits)
This course focuses on analyzing financial statements in big data environment. Extensible Business Reporting Language (XBRL) reporting replaces traditional text-based financial reporting with machine readable report which changes the way people analyze financial statements. This course features understanding XBRL reporting as well as retrieving and analyzing public companies ' financial information.
Prerequisites: ACCT 252 Management Accounting

ACCT 351 Intermediate Accounting I (3 Credits)
This course provides an overview of the conceptual framework and an in-depth analysis of the accounting standards underlying financial reporting. Topics include cash, receivables, inventories, and long-live assets. Time value of money concepts are introduced for account measurement.
Pre-Requisite(s): ACCT 252 Management Accounting

ACCT 352 Intermediate Accounting II (3 Credits)
This course, a continuation of Intermediate Accounting I, provides an in-depth analysis of investments, liabilities, and stockholders' equity. Topics including investments, bonds, leases, pensions, income tax and earnings per share are thoroughly explored. Official accounting pronouncements are introduced throughout the course.
Pre-Requisite(s): ACCT 351 Intermediate Accounting I

ACCT 354 Cost Accounting (3 Credits)
Cost Accounting is primarily concerned with using accounting data to identify ways for management to improve business profitability. The course focuses on an analysis of manufacturing costs, the development of cost estimates, and the identification and preparation of relevant information for management decision making.
Pre-Requisite(s): ACCT 252 Management Accounting

ACCT 360 Introduction to Internal Audit (3 Credits)
This course introduces students to the internal audit profession and the Internal Audit process. Topics included in this course are: the Definition of Internal Auditing, The Institute of Internal Audit's (IIA's) International Professional Practices Framework (IPPF), risk, governance and control issues, conducting internal audit engagements, and emerging Internal Audit issues.
Pre-requisite(s): ACCT 351

ACCT 366 International Accounting (3 Credits)
This course covers International Financial Reporting Standards (IFRS) – the most widely used global accounting standard – and its application. It also addresses the current convergence status with US GAAP. Specific accounting practices applicable to international business transactions are studied with particular emphasis on foreign exchange and foreign currency transactions. The translation of financial statements denominated in foreign currencies is a major element of the course while also exploring related global accounting issues such as transfer pricing and international taxation.
Pre-Requisite(s): ACCT 252 Management Accounting

ACCT 381 Principles of Macro Fraud Examination (3 Credits)
The student will be introduced to a macro look at fraud by examining the pervasiveness and the causes of fraud in our society along with effective methods for detecting, investigating, and preventing fraud. Students will learn how to apply fraud accounting analysis and methods primarily related to corporations in business decision making, financial reporting, disputes and investigations.
Pre-Requisite(s): ACCT 251 Financial Accounting and ACCT 252 Management Accounting

ACCT 382 Principles of Micro Fraud Examination (3 Credits)
The student will be introduced to a micro look at fraud by examining occupational fraud, which includes asset misappropriations, fraudulent financial statements, bribery and corruption. This course will cover the fraud triangle and who commits fraud, also the techniques used to prevent and/or limit fraudulent acts.
Pre-Requisite(s): ACCT 381 Principles of Macro Fraud Exam

ACCT 383 Fraud - Related Interviewing and Investigation (3 Credits)
The student will be introduced to the techniques and processes required to effectively investigate fraud events. The forensic accounting process which includes fraud interviewing and investigation techniques will involve active role playing in the identification, investigation, and interrogation of fraud perpetrators.
Pre-Requisite(s): ACCT 381 Principles of Macro Fraud Exam

ACCT 401 Accounting Information System (3 Credits)
A description of common present-day computer applications in business with emphasis on design, characteristics of key components of computer applications, interrelationships between computer applications and the uses of computer generated data by management are studied in this course.
Pre-Requisite(s): ACCT 252 Management Accounting

ACCT 410 Business Ethics (3 Credits)
The objectives of this course are to: familiarize students with some of the ethical problems which they will encounter in today's business environment; encourage students to reflect on their own values; provide students with the analytical tools to enable them to analyze ethical problems in the workplace and to critically evaluate alternative solutions. Topics include: defining business ethics and exploring their role in the contemporary multi-cultural business environment; moral dilemmas in management; corporate social responsibility; conflicts of interest and the role of leadership in creating a strong ethical climate.

ACCT 450 Corporate Governance & Internal Control Frameworks (3 Credits)
This course is an introduction to corporate governance and the key frameworks and techniques of internal control, including information quality, compliance, the COSO framework, and IT controls. Students learn about the design of effective and efficient internal controls to ensure high-quality reporting and compliance with applicable laws and regulations.

ACCT 451 Auditing (3 Credits)
This course focuses on the fundamental concepts and principles underlying the examination of the financial statements by the independent public accountant. Topics covered in the course include the theory and the philosophy of auditing, the professional standards and/or regulations by the various governing bodies, the evaluation of evidential matter and the system of internal control, professional ethics, legal obligations of reporting companies and auditors, audit reporting, and the introduction of auditing technology.
Pre-Requisite: ACCT 352 Intermediate Accounting II

ACCT 452 Government & Non-Profit Accounting (3 Credits)
This course is designed to introduce the accounting and reporting concepts of fund accounting as it applies to Federal, state and local governmental units, and not -for -profit institutions such as hospitals, educational institutions and other entities. Current rulings of the Governmental Accounting Standards Board are reviewed and relevant accounting and reporting concepts and techniques are applied.
Pre-Requisite(s): ACCT 252 Management Accounting

ACCT 453 Problems In Federal Taxation (3 Credits)
This course introduces students to the Internal Revenue Code as it relates to individuals and includes a wide variety of tax concepts and taxpayer types to emphasize the role of taxation in business decision making. Coverage also includes the preparation of individual tax returns and practical case solutions.
Pre-Requisite(s): ACCT 352 Management Accounting

ACCT 454 Advanced Accounting (3 Credits)
This course begins with an introduction to accounting for mergers and acquisitions as well as long-term investments. A major part of the course is then devoted to the application of various accounting techniques, including consolidation theory and accounting for minority interests. Coverage is also includes other advanced topics such as accounting for partnerships, corporate bankruptcy and reorganization, foreign currency transactions and translation, and other current financial reporting issues.
Pre-Requisite(s): ACCT 352 Intermediate Accounting II, ACCT 354 Cost Accounting
Co-requisite: ACCT 451 Auditing

ACCT 455 Seminar:Taxation & Current Issues (3 Credits)
This seminar is designed to introduce and update students' knowledge of selected topics in federal income taxation applicable to corporations, partnerships, estates and trusts. In addition, through the use of periodicals and authoritative sources, current issues in accounting and taxation which confront the profession are examined.
Pre-requisite: ACCT 453

ACCT 501 Financial Accounting I (3 Credits)
This course provides an overview of the conceptual framework and an in-depth analysis of the accounting standards underlying financial reporting. Topics include cash, receivables, inventories, and long-live assets. Time value of money concepts are introduced for account measurement.

ACCT 502 Accounting for Business Entities (3 Credits)
This course begins with an introduction to accounting for mergers and acquisitions as well as long-term investments. A major part of the course is then devoted to the application of various accounting techniques, including consolidation theory and accounting for minority interests. Coverage is also includes other advanced topics such as accounting for partnerships, corporate bankruptcy and reorganization, foreign currency transactions and translation, and other current financial reporting issues. The course concludes with the study of fund accounting in governmental and non-profit entities.
Prerequisite: ACCT 501 Financial Accounting I

ACCT 504 Federal Taxation of Individuals (3 Credits)
Course will explore Federal Taxation as it applies to the taxation of individuals. Although it is not the purpose of this course to approach the presentation and discussion of taxation from the standpoint of preparation of tax forms, some orientation to forms is necessary. to that end, students will prepare tax forms and schedules for selected problems.

ACCT 505 Introduction to Auditing (3 Credits)

ACCT 508 Financial Accounting II (3 Credits)
This course, a continuation of Intermediate Accounting I, provides an in-depth analysis of investments, liabilities, and stockholders' equity. Topics including investments, bonds, leases, pensions, income tax and earnings per share are thoroughly explored. Official accounting pronouncements are introduced throughout the course.
Pre-Requisite(s): ACCT 501 Financial Accounting I

ACCT 510 Business Ethics (3 Credits)
The objectives of this course are to: familiarize students with some of the ethical problems which they will encounter in today's business environment; encourage students to reflect on their own values; provide students with the analytical tools to enable them to analyze ethical problems in the workplace and to critically evaluate alternative solutions. Topics include: defining business ethics and exploring their role in the contemporary multi-cultural business environment; moral dilemmas in management; corporate social responsibility; conflicts of interest and the role of leadership in creating a strong ethical climate.

ACCT 515 Accounting Information Systems & Internal Control (3 Credits)
Students learn about accounting information systems designed to provide decision-relevant information to the key decision-makers in an organization. It focuses on how systems are implemented to meet organizational needs and strategic objectives to manage internal control risks. The capabilities and limitations inherent in current technology are also discussed.
Prerequisite: ACCT 508 Financial Accounting II or equivalent

ACCT 551 Professional Auditing (3 Credits)
This course begins with a review the important technical tools and techniques needed to become an auditor. These techniques include the identification of audit objectives, the many types of audit evidence required, the internal control evaluation and control risk assessment. The utilization of statistical sampling tools, and the application specific audit procedures are reviewed. Audit programs are designed for several of the major audit cycles. The course will specifically address the issue of management fraud and other timely topics. Audit reports and standards, analytical procedures, auditing electronic information systems, other services performed by the auditor, as well as ethical and legal liability issues are explored.
Prerequisite: ACCT 501 Financial Accounting I

ACCT 552 Strategic Profitability Analysis: Accounting for Managers (3 Credits)
This course explores managerial accounting methods that are used in today's complex manufacturing and service organizations. Focus is on the various aspects of a management accounting system that can be utilized to support primary management tasks or organizing, planning, and controlling through more accurate cost information. Technical topics include advanced issues in the cost-volume-profit analysis and its integration with pricing models, linear programming and regression analysis, pricing models which incorporate activity-based costing, total quality control and related cost measurement, just-in-time purchasing and production, computer integrated manufacturing, and various aspects of performance measurement, budgeting and planning.
Pre-Requisite(s): ACCT 501 Financial Accounting I

ACCT 553 Federal Taxation of Business Entities (3 Credits)
This course provides an in-depth review and discussion of current federal tax law with respect to corporations, partnerships, estates, and trusts. A research project concerning a particular aspect of the law is required. The impact of current changes in the tax law that pertain to business entities and the impact on their business strategy are integrated throughout the course.
Prerequisite: ACCT 504 Taxation of Individuals or equivalent

ACCT 555 Information Systems Auditing (3 Credits)
This course is designed to examine the practice of information systems (IS) auditing, including professional auditing standards, application of IS and internal control frameworks, and recognition of current and emerging technology-related risks. Class sessions cover topics such as IS general controls, systems development and implementation, the auditor's role related to information security, and data extraction and transformation activities. Through readings, case studies, exercises, and discussion, students will learn to plan, conduct, and report on IS audit activities. This course provides a foundation for the CPA (Certified Public Accountant), CIA (Certified Internal Auditor), CMA (Certified Management Accountant), CFE (Certified Fraud Examiner) and the CISA (Certified Information Systems Auditor) exams.
Pre-requisite: ACCT 551

ACCT 559 Analysis of Financial Statements (3 Credits)
This course brings together skills learned in accounting and finance courses. These skills are applied in a financial statement context where new analytical skills are developed. Important investment theories are reviewed. Operating, investing and financing activities of a firm are analyzed. The student will learn to identify liquidity problems of a firm. Financial forecasting techniques are introduced and skills are developed to assess company performance. Analytical models are presented for predicting financial distress. Methods are developed to measure the adequacy of profitability. The emphasis of the course is to develop evaluative, analytical, and critical thinking skills rather than computational skills.
Prerequisite: ACCT 508 Financial Accounting II or equivalent

ACCT 565 Auditing Analytics (3 Credits)
Building on the conceptual framework established in Professional Auditing, the course introduces the audit data analytic techniques. It focuses on the application of auditing techniques to transaction cycles in internal and external auditing using widely-used auditing software such as IDEA, Tableau, and a comprehensive case.
Prerequisite: ACCT 551 Professional Auditing or equivalent

ACCT 566 Applied Accounting Analytics (3 Credits)
This course is designed to develop students' data analytics skills in the various fields of accounting. Students will get hands-on experience with advanced data analytic tools and learn how to translate accounting problems into actionable proposals, develop knowledge to uncover insights, and effectively communicate the results to the relevant stakeholders.
Prerequisite: ACCT 501 Financial Accounting 1

ACCT 570 Business Valuation and Accounting Metrics (3 Credits)
This course examines the role of various accounting analytic metrics in the evaluation of the business's financial performance and valuation. Topics include fundamental analysis, pro forma financial statement forecast and valuation analysis by applying accounting-based technologies. This course combines both accounting and finance into a practical framework for business valuation.
Prerequisite: ACCT 559 Analysis of Financial Statements

ACCT 591 Introduction to Fraud Examination (3 Credits)
The student will be introduced to the elements that constitute fraud as well as who commits fraud. This course will cover the various types of fraud, the techniques used to detect fraud and the various anti-fraud initiatives that an organization uses to prevent and/or limit fraudulent acts.
Pre-Requisite(s): ACCT 252 Management Accounting or equivalent.

ACCT 1251 Principles of Accounting I (Honors) (3 Credits)
This course provides an overview of the fundamental concepts and principles underlying accounting information. Emphasis is placed on how such data are accumulated and reported using manual and computer augmented approaches. The student is introduced to accounting systems and major asset categories such as cash, receivables, inventories and plant assets. Partnership accounting is also introduced.

ACCT 1252 Principles of Accounting II (Honors) (3 Credits)
A continuation of Principles of Accounting I, this course introduces corporate accounting, investments, bonds and equities. These basic topics are followed by an examination of the statement of cash flows, analysis of financial statements and an introduction to managerial accounting.

ACCT 1281 Business Law I (Honors) (3 Credits)
Designed to provide a basic knowledge of business law and legal reasoning, this course covers the legal environment of business, constitutional law, intellectual property, torts, product liability, the law of contracts, sales and negotiable instruments. Ethical issues are discussed throughout the semester in order to sensitize the student to the ethical considerations integral to the business environment.

*Business majors must earn a C or better in all courses

Accounting, B.S.

The Bachelor of Science in Accounting prepares students with the knowledge and skills necessary to record, organize, and understand the financial information of a business.

The program is designed to not only equip students with the necessary accounting knowledge but to teach practical skills. Students' learning experiences are grounded in practice so that they master the application of professional accounting concepts and standards for financial reporting and ethical decision making. Students acquire analytical skills and the necessary software tools to help them succeed as accounting professionals.

Upon graduation, students are prepared for entry-level professional positions in public, private, or government accounting. Within these industries, accountants work in various fields and functions such as auditing, consulting, controllership, budget analysis, information technology, forensic accounting, or financial analysis. Continued study may include a master's and/or doctoral degree in general accounting, taxation, forensic accounting, compliance, controlling, analytics, risk management, law, or general business.

In addition, the program helps students prepare for professional certificates and licenses such as the Certified Public Accountant (CPA), the Certified Management Accountant (CMA), as well as the Governance, Risk, and Compliance Professional (GRCP) certification.

Minimum Grade Requirements

- Students must earn a grade of C or higher in each School of Business course (ACCT, BUSI, ECON, FINC, MGMT, MKTG) used in fulfillment of a graduation requirement.

Total Credit Hours: 66

Code	Title	Credits
Common Core Requirements:		**33**
MGMT 225	Business Enterprise Applications	3
MGMT 251	Operations and Project Management Fundamentals	3
ECON 203	Business Statistics	3
MGMT 211	Principles of Management	3
MKTG 231	Principles of Marketing	3
MGMT 241	Global Business	3
ACCT 251	Financial Accounting	3
ACCT 252	Management Accounting	3
MGMT 235	Business Law I: Legal Environment of Business	3
FINC 371	Managerial Finance	3
MGMT 411	Business Policy	3
Major Requirements:		**33**
ACCT 351	Intermediate Accounting I	3
ACCT 310	Data Analytics for Accountants	3
ACCT 450	Corporate Governance & Internal Control Frameworks	3
ACCT 352	Intermediate Accounting II	3
ACCT 354	Cost Accounting	3
ACCT 401	Accounting Information System	3
ACCT 451	Auditing	3
ACCT 452	Government & Non-Profit Accounting	3
ACCT 453	Problems In Federal Taxation	3
ACCT 454	Advanced Accounting	3
ACCT 455	Seminar:Taxation & Current Issues	3
Recommended Electives for B.S./M.S. and Transfer Students:		
ACCT 253	Quick Books	3
ACCT 360	Introduction to Internal Audit	3
ACCT 315	Data Driven Financial Statement Analysis	3
ACCT 366	International Accounting	3
ACCT 381	Principles of Macro Fraud Examination	3
ACCT 410	Business Ethics	3
MGMT 236	Business Law II: Business Organizations and Transactions	3
Required General Education Courses:		
MATH 164 or ECON 221	Pre-Calculus for Business Students Analytics For Business and Economics	3 - 4
ECON 207	Principles of Economics:Macro	3
ECON 208	Principles of Economics:Micro	3
Total Credits:		**66**

Freshman

Semester 1		**Credits**
MATH 164 or ECON 221	Pre-Calculus for Business Students or Analytics For Business and Economics	3-4
	Credits	**3-4**

Sophomore

Semester 1		
ECON 207	Principles of Economics:Macro (School of Business requirement. General Education Course)	3
MGMT 225	Business Enterprise Applications	3
MGMT 235	Business Law I: Legal Environment of Business	3
ACCT 251	Financial Accounting	3
	Credits	**12**
Semester 2		
ECON 208	Principles of Economics:Micro (School of Business requirement. General Education Course)	3
ECON 203	Business Statistics	3
ACCT 252	Management Accounting	3
	Credits	**9**

Junior

Semester 1		
FINC 371	Managerial Finance	3
ACCT 351	Intermediate Accounting I	3
ACCT 310	Data Analytics for Accountants	3
ACCT 354	Cost Accounting	3
	Credits	**12**
Semester 2		
MKTG 231	Principles of Marketing	3
ACCT 352	Intermediate Accounting II	3
ACCT 401	Accounting Information System	3
ACCT 453	Problems In Federal Taxation	3
	Credits	**12**

Senior

Semester 1		
MGMT 251	Operations and Project Management Fundamentals	3
ACCT 451	Auditing	3
MGMT 211	Principles of Management	3
ACCT 450	Corporate Governance & Internal Control Frameworks	3

ACCT 452	Government & Non-Profit Accounting	3
	Credits	**15**
Semester 2		
MGMT 411	Business Policy	3
ACCT 454	Advanced Accounting	3
ACCT 455	Seminar:Taxation & Current Issues	3
MGMT 241	Global Business	3
	Credits	**12**
	Total Credits	**75-76**

School of Business: Core Student Learning Outcomes

Students will demonstrate achievement of the following outcomes:

1. Students will compose clear and concise forms of written communications to effectively convey ideas and information associated with business topics.
2. Students will communicate business concepts effectively through oral presentations.
3. Students will identify ethical issues and understand the implications of social responsibility for sustainable business practices.
4. Students will evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
5. Students will utilize technology, apply quantitative methods, and interpret data to solve business problems.
6. Students will be able to integrate knowledge of core business concepts and collaborate productively as part of a team.
7. Students will work effectively in a diverse environment and understand how global and cultural issues affect the organization and its stakeholders.

Discipline Specific Student Learning Outcomes

Graduates of the Bachelor of Science in Accounting program will learn new skills and expand upon these Core Program Level Student Learning Outcomes through appropriate coursework.

Upon completion of the Bachelor of Science in Accounting, students will be able to:

1. Apply professional accounting concepts and standards for financial reporting and ethical decision making.
2. Effectively employ business software utilized by accounting professionals.

Accounting—Bridge Program to the M.S. in Accounting, B.S.

The combined Bachelor of Science/Master of Science in Accounting Bridge Program is designed ~~to better serve the needs of NJCU accounting students~~ who intend to enter the accounting profession. This combined undergraduate and graduate program allows full-time students to meet the current educational requirements for Certified Public Accountant (CPA) licensure in New Jersey. ~~Full-time students may complete~~ the program within five years.

Undergraduate students who have been accepted into the Bachelor of Science in Accounting program and who wish to follow with the Master of Science in Accounting program may apply for admission to the Bridge Program during the semester in which they will complete 80 undergraduate credits. A minimum of 9 undergraduate credits in Accounting, including ACCT 351, are required to have been completed with a grade of B or better. Applicants must have a minimum CGPA of 3.00 and a minimum 3.25 GPA in Accounting courses to be accepted into the program.

Students admitted to the Bridge Program ~~will~~ take 120 credits as undergraduates including 9 graduate level credits that can be used to satisfy the degree requirements ~~to earn the Bachelor of Science in Accounting Degree.~~ Students in the Bridge Program pay undergraduate tuition rates for these three graduate courses. Upon graduation with a BS in Accounting, students matriculate into the MS Accounting Program and complete the remaining 7 ~~seven~~ courses for a total of 21 additional credits to complete their MS Accounting Degree. The 9 graduate credits taken as an undergraduate, plus the 21 credits taken after matriculation into the MS Accounting Program, fulfill the 30 credit specialization requirement for the MS Accounting Degree. Students seeking CPA licensure in NJ must take an additional 9 credits to reach a total of 150 credits.

NJCU accounting students who are accepted into the BS/MS Accounting Bridge Program take three graduate courses in lieu of three undergraduate courses. Undergraduate students are required to take ACCT 354, ACCT 451, and ACCT 455 . Students in the Bridge Program do not take ACCT 354, ACCT 451, or ACCT 455 . Instead, Bridge students must take: ACCT 551, ACCT 552, and ACCT 553. The three graduate courses taken in the Bridge program fulfill both ~~the~~ undergraduate and graduate course program requirements.

Students who successfully complete these three graduate courses and all undergraduate requirements for a total of 120 will be awarded a B.S. in Accounting degree. Upon verification of eligibility to begin graduate study, Bridge students may apply for matriculation to the M.S. Accounting Program to complete the 21 remaining credits.

School of Business: Core Student Learning Outcomes

Students will demonstrate achievement of the following outcomes:

1. Students will compose clear and concise forms of written communications to effectively convey ideas and information associated with business topics.
2. Students will communicate business concepts effectively through oral presentations.
3. Students will identify ethical issues and understand the implications of social responsibility for sustainable business practices.
4. Students will evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
5. Students will utilize technology, apply quantitative methods, and interpret data to solve business problems.
6. Students will be able to integrate knowledge of core business concepts and collaborate productively as part of a team.
7. Students will work effectively in a diverse environment and understand how global and cultural issues affect the organization and its stakeholders.

Discipline Specific Student Learning Outcomes

Upon completion of the Accounting—Bridge Program to the M.S. in Accounting, students will be able to:

1. Apply professional accounting concepts and standards for financial reporting and ethical decision making.
2. Effectively employ business software utilized by accounting professionals.

Finance

Finance Department (https://www.njcu.edu/academics/schools-colleges/school-business/departments/finance)
200 Hudson Street, Harborside 2
(201) 200- 3353

Studying finance prepares individuals to work with decision makers such as banks, government agencies, stockholders, suppliers, businesses, and more.

According to The Bureau of Labor Statistics, due to a "growing range of financial products and the need for in-depth knowledge of geographic regions," finance jobs are growing faster than the average for employment in the United States. Careers in financial analysis are expected to grow by 23 percent, financial management by 14 percent, and financial advising by 32 percent.

A finance career is a good choice for someone who is outgoing and inquisitive. Success in finance requires proficiency in mathematics, but diplomacy, collegiality, and responsibility are all assets to those aspiring to work in finance. Empathy is also a strength for those who study finance, as considering an organization's or client's goals, resources, and options help when discussing their options for financial growth and well-being.

A degree in finance prepares one for employment areas including:

- Corporate management
- International financial management
- Investment services
- Financial planning services
- Personal financial planning for individuals and private organizations
- Brokerage firms
- Insurance companies
- Commercial and investment banks
- Credit unions and private banks

Zhimin Wang (https://www.njcu.edu/directories/faculty-staff-directory/zhimin-wang), Co-Chairperson

Professor of Finance

Hebei University of Economics and Business, China, B.A., Shanghai University of Finance and Economics, Shanghai, China, M.A., Southern Illinois University Carbondale, U.S.A., Ph.D.

Li Xu (lxu@njcu.edu), Co-Chairperson
Assistant Professor of Finance
The Pennsylvania State University, M.A., M.A.; Stanford University, M.S., Ph.D.

Marilyn Ettinger
Professor of Finance
Goucher College, A.B.; New York University, M.B.A.

J.D Jayaraman
Associate Professor of Finance
Anna University, Chennai, India, B.S.; Bharathidasan Institute of Management, Trichy, India, M.B.A., Oklahoma State University, Ph.D.

George Zhengzheng Li (gli1@njcu.edu)
Professor of Finance
Zhejiang Gongshang University, B.A.; Shanghai University of Finance and Economics, M.S.; The University of Texas at Dallas, Ph.D.

Bernard McSherry (https://www.njcu.edu/directories/faculty-staff-directory/bernard-mcsherry)

Professor of Finance
Wagner College, Stern School of Business, NYU, M.B.A., Lubin School of Business, Pace University, Doctoral Degree

Rubina Vohra (https://www.njcu.edu/directories/faculty-staff-directory/rubina-vohra)
Professor of Economics
Karachi University, BA Economics, Northeastern University, MS, Ph.D. in Economics

Various discipline-specific concentrations that will prepare students for multiple fields of employment or areas of additional undergraduate/graduate study are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on "Undergraduate Degree Requirements (p. 11)."

- Business Analytics and Data Science, B.S. (p. 249)
- Business Analytics and Data Science, Minor (p. 251)
- Business Information Systems, B.S.* (p. 251)
- Finance, B.S. (p. 252)
- Finance, Minor (p. 254)
- Professional Financial Planning, Minor* (p. 255)

Finance (FINC)

FINC 1XX Finance Transfer Credit (0 Credits)

FINC 2XX Finance Transfer Credit (0 Credits)

FINC 105 Introduction to Data Literacy (3 Credits)
This course will introduce students to the basics of data literacy. Students will learn how to pose a question/problem, collect, process, analyze and interpret data to find data patterns and make predictions. The course will also discuss the future of data analytics and ethical issues.

FINC 215 Real Estate Principles I (3 Credits)
This course is designed to provide an introduction to the fundamental legal concepts and principles which underlie all modern real estate transactions. Particular attention is given to real property law, real estate transactions, contract negotiations and financing issues.

FINC 220 Foundations of Finance for Business and Life (3 Credits)
This course provides an introduction to the three foundations of finance - the financial system, investments, and business finance. With an integrated perspective on three areas, the course stands alone as a survey of the financial environment, and forms a balanced platform for further study in business and finance.
Pre-Requisite(s): AUR Math

FINC 221 Foundations of Business Information Systems (3 Credits)
This course introduces students to contemporary business information systems (BIS) and demonstrates how these systems are used throughout global organizations. Key components of BIS - people, technology infrastructure, data, and communication technologies will be discussed.

FINC 222 Ethical and Social Issues in Business Information Systems (3 Credits)
While recent advances in the production and use of business information systems (BIS) present different opportunities, BIS also raise ethical challenges that professionals must confront. This course will introduce students to different ethical and social theories and give them the opportunity to think critically about the issues and draw their own conclusions.

FINC 250 Financial Literacy: Strategies for Financial Success (3 Credits)
Students will explore behaviors necessary to make ethical and realistic financial decisions in changing situations and evaluate their collective societal impact. In a cultural and civic context, learners will develop lifelong strategic financial management skills to grow into responsible citizens, smart consumers and successful economic units.

FINC 305 Introduction to Data Science (3 Credits)
This course will provide students with an overview of the field of data science and business analytics. Students will get a high level understanding of data acquisition, data manipulation, data storage, data analysis and data visualization. Students will also be introduced to machine learning and predictive analytics.

FINC 306 Statistical and Mathematical Foundations for Business Analytics and Data Science (3 Credits)
This course will provide students with the basic mathematical knowledge used by the algorithms and models in data science field. Students will learn the basics of calculus, linear algebra, probability, statistics and optimization process.

FINC 310 Basics of Business Telecommunications and Technology Infrastructure (3 Credits)
This course focuses on business telecommunications and infrastructure capabilities as well as limitations. Students will have a good understanding of the principles of business telecommunications and infrastructure that will allow organizations to gain a competitive advantage. Network planning, design, management, security, data transmission, layering and different protocols will be discussed.
Pre-Requisite(s): AUR Math, MATH 164, BUSI 203 or equivalent.

FINC 312 Analysis and Design of Business Information Systems (3 Credits)
The course covers a systematic methodology for analyzing a business problem or opportunity, modeling it using a formal technique, determining what role, if any, computer-based technologies can play in addressing the business need, and specifying the requirements for the BIS solution, in particular, in-house development or purchased commercial-off-the-shelf (COTS) packages.
Prerequisites: ENGL 102

FINC 315 Real Estate Principles II (3 Credits)
This course is designed for business administration majors seeking in-depth knowledge of real estate and for real estate professionals seeking to enhance their careers.

FINC 320 Investment Principles for Financial Planning (3 Credits)
This course presents investment planning concepts, integrated with the techniques of securities analysis and portfolio management, in the context of the financial planning process. Topics include risk and return measurement, traditional investments, alternative investment choices, valuation techniques, modern portfolio theory, asset allocation, and portfolio performance evaluation.
Prerequisite: or Co-requisite FINC 375 Essentials of Financial Planning or FINC 371 Managerial Finance
Co-requisite: FINC 375 Essentials of Financial Planning or FINC 371 Managerial Finance

FINC 330 Tax Planning (3 Credits)
This course examines the issues, concepts and strategies for tax planning and selected insurance components. Topics consist of individual and business tax law, annuities, health, disability, and long-term care insurances, including CFP Board's code of ethics and professional responsibility and rules of conduct, CFP Board's financial planning practice standards, and CFP Board's disciplinary rules of procedures.
Pre-requisites: or Co-requisites FINC 375
Co-requisites: FINC 375

FINC 364 International Finance (3 Credits)
The basic international financial markets and instruments which a corporate treasurer uses to finance a multinational or global entity are explored in this course. Topics include foreign currency markets and strategies for minimizing risk, motivation for direct foreign investment, lending and investment criteria, risk mitigation via export credit agencies, trade barriers and tax implications and special problems of multinational firms.
Pre-Requisite(s): ACCT 251 Financial Accounting, ACCT 252 Management Accounting

FINC 365 Public Finance (3 Credits)

FINC 370 Entrepreneurial Finance (3 Credits)
This course introduces the principles of business finance from the perspective of starting and growing new ventures. Topics correspond with the life cycle of an enterprise, including forms of small-business organization, sources of early-stage and subsequent financing, best practices in management of scarce resources, and strategies for harvesting the venture.

FINC 371 Managerial Finance (3 Credits)
This survey course introduces a variety of tools and techniques for financial problem solving and decision making. Topics such as the time value of money, stock and bond valuation, effects of risk on the rate of return, capital budgeting, financial forecasting, and financial leverage are covered.
Pre-Requisite(s): ACCT 251 Financial Accounting (for business majors) or FINC 220 Foundations of Finance (for non-business majors), and MATH 164 Pre-Calculus for Business or equivalent

FINC 375 Essentials of Professional Financial Planning (3 Credits)
This course provides an overview of professional financial planning theory and practice in the context of ethical behavior, understanding client needs, and regulatory compliance. Topics include purposes of financial planning, value of objective advice, financial analysis tools, the financial planning process, and the client advisor relationship.

FINC 391 Foreign Trade (3 Credits)
The fundamentals of trade finance, with an emphasis on current trade flows and their importance to the global marketplace, are explored in this course. Topics include bases of export marketing, trade documentation (letters of credit, drafts, and bills of lading), specialized trade financing, the international environment and medium and long-term options for financing trade flows.

FINC 403 Fundamentals of Data Visualization for Business Analytics and Data Sciences (3 Credits)
This course will provide students with the techniques and state of the art practices in data visualization and communication. The course will explore a wide range of techniques from simple charts to multidimensional analysis using dashboards. The course will help students visually present recommendations for better data driven decision making.

FINC 404 Risk Management and Insurance (3 Credits)
This course examines the issues, concepts and strategies to reduce or transfer risk and uncertainty. It includes traditional and newer techniques in insurance and non-insurance methodologies. Topics include diversification, hedging, preference analysis, and dynamic programming.
Pre-requisite(s): FINC 371, MGMT 203

FINC 405 Programming Basics for Business Analytics and Data Science (3 Credits)
In this course students will be introduced to the Python programming language, which are the widely used programming languages in the field of data science. Students will get a good understanding of using Python for statistical modeling and machine learning.

FINC 406 Basics of Business Web Design (3 Credits)
This course teaches basics of website design and development. At the end of this course, students will be well versed in planning, designing, and developing a business website using modern standards and best practices. Students will become comfortable in writing HTML and incorporating CSS and javascript in the web design.
Pre-Requisite(s): FINC 221

FINC 410 Introduction to Forecasting Models and Experimental Design for Business Analytics and Data Science (3 Credits)
This course will provide students with a thorough understanding of regression analysis. It covers both the theory and application of regression analysis. It focuses on maximum likelihood and time series techniques. As well, this course also covers the interpretation of regression results and best practices for regression analysis. This course will also provide students with a basic understanding of experimental design and to help students develop students with a basic understanding of experimental design and to help students develop the skills necessary to efficiently and effectively design and analyze experiments.

FINC 412 Principles of Business Information Systems Security and Risk Management (3 Credits)
This course is designed to introduce students to information security and the types of information security threats facing businesses. The course offers students an opportunity to develop technical skills related to information security tools and technologies and managerial skills related to how and why information security is implemented in organizations. It also reviews the impact of BIS security and privacy on institutions, business and government, and the development of legislation from BIS security perspective.

FINC 415 Basics of Data Collection, Data Warehousing, and Data Cleansing (3 Credits)
This course will provide students with an overview of data management process, including data format and structure, collection, storage, and cleansing. Students will be exposed to various techniques required for collecting data from different sources, storing and accessing data, and cleaning data.

FINC 417 Principles of Business Information Systems Project Management (3 Credits)
This course addresses the processes, methods and techniques that organizations use to manage their business information systems projects. The course covers a systematic methodology for initiating, planning, executing, controlling, and closing projects. The course demonstrates that project management involves both the use of organizational and contracted resources from outside the organization.

FINC 420 Principles of Estate & Insurance Planning (3 Credits)
The course examines the issues, concepts and strategies for appropriate disposition of a descendant's estate and pre-death wealth transfer methods. It includes protection for survivors in the event of death, and life, and health insurance. Includes property characteristics, wills, trusts and probate process, estate planning, tax reduction strategies, and insurance.
Pre-Requisite(s): FINC 375

FINC 425 Spreadsheet Applications in Business and Finance (3 Credits)
This course emphasizes the power of data analytics and computer technology to inform contemporary financial decisions and risk management. Using internet resources and spreadsheet software, we will build financial models for real-world data. Students will develop their Bloomberg and Excel proficiencies while they practice forecasting, valuation, and hedging techniques.
Pre-requisite(s): MGMT 203, and FINC 371.

FINC 430 Principles of Machine Learning (3 Credits)
This course will provide students with a thorough understanding of machine learning concepts. Students will learn the common algorithms used in machine learning and will be able to implement them in R or Python. Students will learn how to apply machine learning algorithms to detect patterns in the data and to predict outcomes.

FINC 435 Financial Planning for Retirement, Benefits, & Education (3 Credits)
This course examines both public and private retirement plans, including Social Security, Medicare, Medicaid, defined benefit and contribution plans. Regulatory provisions and non-qualified deferred compensation plans are analyzed. Issues faced in retirement, such as community and life-style decisions, concurrent education needs, insurance options, and medical issues, are discussed.

FINC 471 Seminar:Issues in Corporate Finance (3 Credits)
This course uses the case method to analyze major corporate resource decisions in a risk-return framework. There is an emphasis on the process of value creation through appropriate long-term investment and financing policies. Topics include capital budgeting, debt management and corporate restructuring.
Pre-Requisite(s): MGMT 203 Business Statistics and FINC 371 Managerial Finance

FINC 473 Portfolio Analysis (3 Credits)
This course provides a comprehensive introduction to the area of securities analysis and portfolio management. Investing is approached as a rational decision-making process in which the investor attempts to select a portfolio of securities that meet a pre-determined set of goals, including desired return and acceptable degree of risk.

FINC 474 Capital Markets & Financial Institutions (3 Credits)
A study of depository and non-depository financial institutions and how their functions differ for purposes of channeling the flow of funds into and out capital markets. Topics such as the demand for and supply of money, determinants of market interest rates, principles for selecting investment assets and financial intermediaries are studied.
Pre-Requisite(s): FINC 371 Managerial Finance and ECON 364 Money and Banking.

FINC 490 Capstone Financial Planning Case Study (3 Credits)
This course demonstrates the student's ability to apply all that he/she has learned in the Financial Planning curriculum to prepare a financial plan for a client. It requires a written case presentation, an academic appendix, and an oral presentation to multiple qualified judges to defend the analysis of the plan.

FINC 495 Capstone in Data Science (3 Credits)
This course is the culmination of the BS in Business Analytics and Data Science program. The student produces work that demonstrates mastery of the curriculum. The form of the work can be a capstone project, or other work deemed suitable by the faculty advisor.

FINC 504 Quantitative Methods for Business Decisions (3 Credits)
This course is aimed at familiarizing the student with the basic statistical techniques necessary to perform the research project (see BUSI 655). Following a brief review of basic statistical techniques the course will concentrate on regression analysis, topics in exponential design and analysis of variance, transformation of data and introductory econometric analysis.

FINC 506 Managerial Economics (3 Credits)
Managerial Economics applies economic theory and models such as supply and demand, optimization, elasticity and regression analysis to business decision making within the firm or organization. Students learn how economic forces affect output, hiring, product pricing, demand estimation and market forecasting and how to make profitable decisions to achieve the goals of the firm.

FINC 507 Corporate Financial Management (3 Credits)
This course provides an advanced level overview of principles and practices used by the finance professional. In particular, it covers the financial environment, utilizing net present value (NPV), valuation of financial assets, project analysis, opportunity cost of capital, risk and return, capital budgeting, debt and dividend policies, mergers, and planning.
Pre-Requisite(s): ACCT 501

FINC 514 Introduction to Business Analytics and Data Science (3 Credits)
This course will provide students with an overview of the field of data science and business analytics. Students will get a high level understanding of data acquisition, data manipulation, data storage, data analysis and data visualization. Students will also be introduced to machine learning and predictive analytics.

FINC 515 Programming for Business (3 Credits)
In this course students will be introduced to the R programming language and the Python programming language, which are the two widely used programming languages in the field of data science. Students will get a good understanding of using R and Python for statistical modeling and machine learning.

FINC 516 Computer Networks and IT Infrastructure (3 Credits)
This course introduces the fundamentals of networking infrastructure, different types of networks and network hardware/software. Data transmission, switches, routers, wiring and physical protocol, layering will be discussed. Business technology infrastructure capabilities and limitations with a particular focus on core computing architecture, operating systems, data centers, IT security, cloud x computing and CAAS will be discussed.

FINC 517 Business Telecommunications and Technology Infrastructure (3 Credits)
This course introduces the fundamentals of Business Telecommunications, different types of networks and network hardware/software. Data transmission, switches, routers, wiring and physical protocol, layering will be discussed. Business technology infrastructure capabilities and limitations with a particular focus on core computing architecture, operating systems, data centers, IT security, cloud computing and CaaS will be discussed.

FINC 519 Economics for Educators (3 Credits)
This course is specifically designed for practicing k-12 educators. It will improve your understanding of key elements of economics, philosophy, and business, and help you to teach your students to become more informed citizens and to live a fulfilling life.

FINC 520 Statistical and Mathematical Methods for Data Science (3 Credits)
This course will introduce students to the statistical and mathematical methods needed in the practice of data analytics. Students will learn the basics of statistics, probability, linear algebra, calculus and optimization techniques relevant to data analytics.

FINC 525 Financial Modeling (3 Credits)
This course focuses on the development of microcomputer solutions to financial problems. There is an emphasis on the custom design and implementation of models, using spreadsheet and database applications software. Topics include financial statement modeling, forecasting of free cash flow, leasing and capital budgeting decisions, option pricing and portfolio optimization.

FINC 530 Machine Learning for Business I (3 Credits)
This course will provide students with a thorough understanding of machine learning concepts. Students will learn the common machine learning algorithms and implement them in R or Python. Students will learn how to apply machine learning algorithms to detect patterns in the data and to predict outcomes.
Pre-Requisite(s): FINC 515

FINC 531 Current Topics in Financial Technology (3 Credits)
This course will introduce student to all the current topics in financial technology. Topics will include crypto currencies, cyber security, peer to peer lending systems, digital systems, robo-advisers and blockchain technology.

FINC 534 Big Data Analysis and Cloud Technologies (3 Credits)
This course will provide students with a thorough understanding of big data analysis and cloud techniques. Students will learn the concept of big data and the solution of business analysis, including cloud computing, Hadoop, and Spark. Specifically, students will learn how to deploy machine learning models with a large dataset on cloud platforms.

FINC 535 Data Management (3 Credits)
This course will provide students with a thorough understanding of the process starting from collecting data, cleaning data, to the storage of data. Students will be exposed to various tools and techniques required for collecting data, cleaning and normalizing the data and storing and retrieving large amounts of data.
Pre-Requisite(s): FINC 515

FINC 536 Data Science for Social Good (3 Credits)
This course will focus on using data science and AI for social good. It will cover a broad range of topics starting with identifying social problems where data science can be of help, applying machine learning techniques to help solve these problems, and understanding the ethical aspects of AI.

FINC 537 Business Information Systems Principles and Ethnical Issues (3 Credits)
This course introduces students to contemporary business information systems (BIS) and demonstrate how these systems are used throughout global organizations. Key components of BIS - people, software, hardware, data, and communication technologies will be discussed. This course also introduces students to ethical issues in computing.

FINC 540 Business Information Systems Analysis, Design and Acquisition (3 Credits)
The course covers a systematic methodology for analyzing a business problem or opportunity, modelling it using a formal technique, determining what role, if any, computer-based technologies can play in addressing the business need, and specifying the requirements for the Business Information Systems (BIS) solution in particular, in-house development or purchased commercial-off-the-shelf (COTS) packages.

FINC 550 Experimental Design (3 Credits)
This course will provide students with a thorough understanding of Experimental design and help students develop the skills necessary to effectively design and analyze experiments. Common techniques used in Experimental Design such as Fixed Effects model, Random Effects model, Mixture experiment, Factorial Design, and Latin Square will be discussed.
Pre-Requisite(s): FINC 520

FINC 560 Data Visualization and Communication (3 Credits)
This course will provide students with the techniques and state of the art practices in data visualization and communication. The course will also explore a wide range of techniques from simple descriptive charts and maps to multidimensional analysis using dashboards, helping students develop creative visualizations to communicate data analysis.
Pre-Requisite(s): FINC 530

FINC 565 Time Series Modeling and Experimental Design (3 Credits)
This course will provide students with a thorough understanding of regression analysis. It covers both the theory and application of regression analysis. It focuses on maximum likelihood and time series techniques. As well, this course also covers the interpretation of regression results and best practices for regression analysis.
Pre-Requisite(s): FINC 520

FINC 1272 Investment Principles and Analysis (Honors) (3 Credits)
This course covers the basics of investing. Topics include a comprehensive overview of financial instruments and real assets available for investment, current procedures and trends in trading practices, and an introduction to valuation techniques. There is consideration of the risk-return tradeoff, the characteristics of efficient markets, and opportunities for global investing. Cross-reference: ECON 271 Investment Principles/Practices.

FINC 1364 International Finance (Honors) (3 Credits)
The basic international financial markets and instruments that a corporate treasurer uses to finance a multinational or global entity are explored in this course. Topics include foreign currency markets and strategies for minimizing risk, motivation for direct foreign investment, lending and investment criteria, risk mitigation via export credit agencies, trade barriers and tax implications and special problems of multinational firms.

FINC 1371 Managerial Finance (Honors) (3 Credits)
This survey course introduces a variety of tools and techniques for financial problem solving and decision making. Topics such as the time value of money, stock and bond valuation, effects of risk on the rate of return, capital budgeting, financial forecasting, and financial leverage are covered.

FINC 1473 Portfolio Analysis (Honors) (3 Credits)
This course provides a comprehensive introduction to securities analysis and portfolio management. Investing is approached as a rational decision-making process in which the investor attempts to select a portfolio of securities that meet a pre-determined set of goals, including desired return and acceptable degree of risk.

FINC 1474 Capital Markets and Financial Institutions (Honors) (3 Credits)
This course examines depository and nondepository financial institutions and how their functions differ for purposes of channeling the flow of funds into and out of capital markets. Topics such as the demand for and supply of money, determinants of market interest rates, principles for selecting investment assets and financial intermediaries are studied.

FINC 1571 Seminar: Issues in Corporate Finance (Honors) (3 Credits)
This course uses the case method to analyze major corporate resource decisions in a risk-return framework. There is an emphasis on the process of value creation through appropriate long-term investment and financing policies. Topics include capital budgeting, debt management and corporate restructuring.

Economics (ECON)

ECON 1XX Economic Transfer Credit (0 Credits)

ECON 2XX Economic Transfer Credit (0 Credits)

ECON 101 Introduction to Economics (3 Credits)
This course introduces basic economic concepts and institutions and their application in the American economy. The course focuses on economic decision-making processes of the consumer, business firms and government.

ECON 102 Contemporary Economic Issues (3 Credits)
An introduction to economic analysis and policy is presented in this course. Several current economic issues and problems such as energy pricing and availability, environment, quality, inflation, unemployment, and poverty are discussed. The course teaches the importance of modern economic theory.

ECON 103 Current Economic Issues (3 Credits)
This course discusses the way economic theory applies to important issues in the world today. It focuses on issues such as education, textbook cost, international trade and American jobs, healthcare, discrimination, the housing bubble, minimum wages, poverty and welfare, legal and illegal goods.

ECON 105 Economics of Health Care (3 Credits)
This course provides an economic analysis of the U.S. health care sector. The demand for health and medical care, the delivery of medical services, and the economic aspects of selected health policy issues including National Health insurance, competition between medical care providers, medical cost inflation and public health programs are covered.

ECON 108 Introduction to Price Theory (3 Credits)

ECON 110 History of Economic Thought (3 Credits)
A systematic study of the history of economic ideas from the pre-industrial era to the modern age is presented in this course. It stresses the importance of understanding contemporary economics, by grasping new ideas, evidence, problems and values that call for reconsideration of basis disputes. The contributions of the great economists is examined in the context of the prevailing social and economic institutions.

ECON 115 Money and Markets (3 Credits)
This course will provide the student with an overview of Micro and Macroeconomics. Issues to be discussed will include the function of the market process and its relation to the consumer and the firm. Fiscal and Monetary policy will be reviewed and the impact of these two policies on both domestic and international issues will be discussed.

ECON 203 Business Statistics (3 Credits)
Designed to acquaint the student with basic business statistics, this course includes the following topics: measures of central tendency and variability, probability, hypothesis testing and correlation and regression analysis.
Pre-Requisite(s): MATH 164 or ECON 221

ECON 207 Principles of Economics:Macro (3 Credits)
This course provides an introduction to the theory and analysis of the determination of levels of national income and employment, fluctuations of income, monetary and fiscal policy, inflation and growth.

ECON 208 Principles of Economics:Micro (3 Credits)
This course introduces economic theory concerning the pricing of goods and services and the factors of production-land, labor and capital. The concepts and theories of competition, monopoly and other industrial structures are studied in detail.

ECON 210 Personal Finance Practices (3 Credits)
This course will use, interpret and apply quantitative data and inferences to the world beyond the classroom. This course focuses on concepts, decision-making tools, and applications of financial planning. Students will master the concepts that will prepare them to enhance their personal wealth. This course will guide their decisions today and in years to come. The course is also designed as a means of reinforcing University-Wide Student Learning Goals/General Education Goals [UWG], specially: quantitative literacy skills and effective information and technology literacy skills.

ECON 211 Business and Economic Statistics (3 Credits)
This survey covers methods to collect, analyze, and interpret data used in business and economic analysis. It provides emphasis on frequency distribution, measurement of central tendency and dispersion, probability theory, hypotheses testing, correlation and index numbers.

ECON 215 Personal Finance (3 Credits)
This course provides an introduction to the theory and practice of personal financial management and planning. Principles of wealth accumulation, management and disposition are discussed. Specific topics include the economics of insurance and housing, pensions, investments, retirement and estate planning.

ECON 220 Understanding Business/Economic Data (3 Credits)
Students are introduced to the language and vocabulary of economics and to the world of economic and business quantitative information in this course. The meaning and interpretation of essential economic terminology and business statistics are the central focus of this course. Emphasis is placed on the practical significance and uses of basic economic and business data. Computer literacy and applications are also covered.

ECON 221 Analytics For Business and Economics (3 Credits)
This course will introduce students to analytical methods needed for careers in business and economics. Students will learn the basics of linear equations for business and economics, breakeven analysis, basics of optimization and other analytical techniques commonly used in business and economic applications.

ECON 271 Investment Principles (3 Credits)
This course provides an introduction to the strategies, principles, and practices of modern investment analysis and the language and terminology of professional investors. A comprehensive overview of stocks, bonds, mutual funds, and other investment vehicles are covered. The concepts of risk, return, portfolio theory, and investment strategy and timing is also examined.

ECON 319 Economic History of the United States (3 Credits)
The course surveys the economic development of the United States from the colonial settlement of the North American continent to the Great Depression. It covers the development of the United States through two major industrial revolutions. Emphasis is given to the quantitative, institutional, and spatial dimensions of economic growth, and the relationship between changes in the structure of the economy and the size and scope of the government sector.
Pre-Requisite(s): ECON 207

ECON 320 Econometrics (3 Credits)
This course introduces students to regression analyses in an economic context. It covers both the theory and application of regression analysis. It focuses on basic univariate and multivariate regression techniques and the assumptions underlying the formal justification for why these techniques are valid. As well, this course also covers the interpretation of regression results.
Pre-Requisite(s): MATH 140 Statistics I OR ECON 203 Business Statistics

ECON 350 Economics of Discrimination (3 Credits)
This course covers economic theories of discrimination. Topics include theories of discrimination of women and minorities with respect to earnings and employment outcomes, empirical studies testing these theories, and public policies toward discrimination. These topics will be used to understand main methodologies social scientists use to identify labor market discrimination.
Prerequisite: ECON 208 and ECON 203 or MATH 140.

ECON 353 Labor Economics (3 Credits)
American Labor markets and theories of wage determination, the study of unemployment problems, the impact of automation and foreign competition, and current trends in labor markets are topics exeamined in this course.
Pre-Requisite(s): ECON 207 and ECON 208

ECON 358 Urban Economics: Analysis and Policy (3 Credits)
This course offers a comprehensive examination of the economic basis of urban centers, the evolution of urban form and function, patterns of industrial location, commerce and households, and current urban economic problems and trends.
Pre-requisite(s): ECON 208 Principles of Econpmics:Micro

ECON 359 Economic Development Theory (3 Credits)
This course studies the basic concepts and methods of planning for economic development and the input-output analysis examination of economic development of urban and regional areas, including those of lesser-developed nations.

ECON 362 Intermediate Macro Economics (3 Credits)
An intensive examination of aggregate economic theory: this course focuses on national income determination and its components. Keynesian theory of employment, interest and money. Post-Keynesian cycle and growth models are also covered.
Pre-Requisite(s): ECON 207 Principles of Economics: Macro

ECON 363 Intermediate Micro Economics (3 Credits)
This course examines the theories of value and price, consumer demand, factor pricing, and the operation of competitive and imperfectly competitive markets.
Pre-Requisite(s): ECON 208 Principles of Economics: Micro

ECON 364 Money & Banking (3 Credits)
This course is designed to introduce the theory of money to students majoring in business, accounting, and economics. The major analytical issues discussed in this course are: how money is created, the role of money in the economy and inflation and the money supply. The role of the dollar in international trade is also discussed.
Pre-Requisite(s): ECON 207 Principles of Economics: Macro and ECON 208 Principles of Economics: Micro

ECON 365 Public Sector Economics (3 Credits)
This course is a systematic study of the economic role and function of government - federal, state and local - in the United States economy. The rationale for government intervention in the economy, with regard to allocating resources, redistributing income, regulating industry and promoting economic growth, is examined. Tax theory and policy is also discussed.
Pre-Requisite(s): ECON 207 Principles of Economics: Macro and ECON 208 Principles of Economics: Micro

ECON 366 International Trade & Finance (3 Credits)
International trade theory, current world trade patterns and barriers to trade, world monetary and banking systems and balance of payments are topics covered in this course.
Pre-Requisite(s): ECON 207 Principles of Economics: Macro and ECON 208 Principles of Economics: Micro

ECON 368 Business & Government (3 Credits)
This course traces the historical and legal frameworks, and economic implications, of public policies towards competition. Analysis and in-depth examination of the anti-trust laws and other forms of regulations, including a study of leading Supreme Court decisions in the area, are covered.

ECON 369 Business Fluctuations & Growth (3 Credits)
This course is designed to introduce students of economics and of business administration to the study of economic cycles. Periods of expansion towards full employment and the downturn towards theories of the business cycle are presented with updated illustrations taken from contemporary experience. Modern versions of inflation and recession situations are also analyzed.
Pre-Requisite(s): ECON 207 Principles of Economics: Macro and ECON 208 Principles of Economics: Micro

ECON 410 Senior Comprehensive Seminar (3 Credits)
This course is being developed as part of the University's effort to fulfill Middle State's Outcome Assessment initiative. The course focuses on the two branches of economics, namely, Macroeconomics and Microeconomics (including International Economics), and is designed to instill in the students an understanding and appreciation of the economy in general and the market system in particular. The purpose is to broaden the student's horizon, and for economic majors and minors, to give them fundamental preparatory background for advanced work.
Pre-Requisite(s): ECON 362, ECON 363, ECON 364, and ECON 365

Business Analytics and Data Science, B.S.

The Bachelor of Science in Business Analytics and Data Science program will prepare students with the skills needed to gather, store, analyze and interpret large amounts of data in order to make business decisions. The program is designed to cater to the burgeoning need for analytics and data science professionals in various industries such as finance, marketing, retail and accounting.

The business analytics and data science bachelor's program at NJCU reflects the university's commitment to empower a diverse, underserved population and be an institution of higher education nimble in its response to dynamic 21st Century opportunities and challenges. The program also underscores the resolve of the NJCU School of Business to be a data-driven institution.

The program will be fully geared towards practice. Students learning experiences will be grounded in real world contexts. Students will learn analytical skills and use software tools that are currently popular in the industry, to find solutions to business data analysis problems that are commonly encountered in practice. Students will also learn the ethical responsibilities of working with large amounts of data, which in many cases could be private. Graduates of the program will be thoroughly prepared to take on the role of a data scientist in the industry.

The program will also prepare students to take the Certified Analytics Professional (CAP) certification.

Minimum Grade Requirements

- Students must earn a grade of C or higher in each School of Business course (ACCT, BUSI, ECON, FINC, MGMT, MKTG) used in fulfillment of a graduation requirement.

Total Credit Hours: 75

Code	Title	Credits
Common Core Requirements (33 credits)		
MGMT 225	Business Enterprise Applications	3
MGMT 251	Operations and Project Management Fundamentals	3
ECON 203	Business Statistics	3
MGMT 211	Principles of Management	3
MKTG 231	Principles of Marketing	3
MGMT 241	Global Business	3
ACCT 251	Financial Accounting	3
ACCT 252	Management Accounting (Pre-Requisite ACCT 251)	3

MGMT 235	Business Law I: Legal Environment of Business	3
FINC 371	Managerial Finance (Pre-Requisite ECON 208, ACCT 252, MATH 164)	3
MGMT 411	Business Policy (Pre-Requisite FINC 371)	3
Specialization Requirements (24 credits)		
FINC 305	Introduction to Data Science	3
FINC 306	Statistical and Mathematical Foundations for Business Analytics and Data Science	3
FINC 405	Programming Basics for Business Analytics and Data Science	3
FINC 415	Basics of Data Collection, Data Warehousing, and Data Cleansing	3
FINC 410	Introduction to Forecasting Models and Experimental Design for Business Analytics and Data Science	3
FINC 403	Fundamentals of Data Visualization for Business Analytics and Data Sciences	3
FINC 430	Principles of Machine Learning	3
FINC 495	Capstone in Data Science	3
Electives (18 credits)		
Students may take electives as approved by the Department Advisor in general business, or across disciplines including but not limited to courses from Economics, Finance, Accounting, Marketing, Computer Science, Political Science, GeoScience, or group classes for a Minor or Specialization.		
General Education Courses Required		
MATH 164	Pre-Calculus for Business Students	4
or ECON 221	Analytics For Business and Economics	
ECON 207	Principles of Economics:Macro	3
ECON 208	Principles of Economics:Micro	3

Freshman

Semester 2		**Credits**
MATH 164 or ECON 221	Pre-Calculus for Business Students or Analytics For Business and Economics	3-4
MGMT 211	Principles of Management	3
	Credits	**6-7**

Sophomore

Semester 1		
MGMT 241	Global Business	3
ECON 207	Principles of Economics:Macro	3
MGMT 225	Business Enterprise Applications	3
ACCT 251	Financial Accounting	3
	Credits	**12**
Semester 2		
ECON 208	Principles of Economics:Micro	3
ECON 203	Business Statistics	3
ACCT 252	Management Accounting	3
	Credits	**9**

Junior

Semester 1		
MGMT 251	Operations and Project Management Fundamentals	3
MGMT 235	Business Law I: Legal Environment of Business	3
FINC 305	Introduction to Data Science	3
FINC 405	Programming Basics for Business Analytics and Data Science	3
	Credits	**12**
Semester 2		
MKTG 231	Principles of Marketing	3
FINC 371	Managerial Finance	3
FINC 306	Statistical and Mathematical Foundations for Business Analytics and Data Science	3
FINC 430	Principles of Machine Learning	3
Major Elective or Minor Requirement		3
	Credits	**15**

Senior

Semester 1		
FINC 410	Introduction to Forecasting Models and Experimental Design for Business Analytics and Data Science	3
FINC 403	Fundamentals of Data Visualization for Business Analytics and Data Sciences	3
FINC 415	Basics of Data Collection, Data Warehousing, and Data Cleansing	3
Major Elective or Minor Requirement		3
Major Elective or Minor Requirement		3
	Credits	**15**
Semester 2		
FINC 495	Capstone in Data Science	3
MGMT 411	Business Policy	3
Major Elective or Minor Requirement		3
Major Elective or Minor Requirement		3
Major Elective or Minor Requirement		3
	Credits	**15**
	Total Credits	**84-85**

School of Business: Core Student Learning Outcomes

Students will demonstrate achievement of the following outcomes:

1. Students will compose clear and concise forms of written communications to effectively convey ideas and information associated with business topics.
2. Students will communicate business concepts effectively through oral presentations.
3. Students will identify ethical issues and understand the implications of social responsibility for sustainable business practices.
4. Students will evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
5. Students will utilize technology, apply quantitative methods, and interpret data to solve business problems.
6. Students will be able to integrate knowledge of core business concepts and collaborate productively as part of a team.
7. Students will work effectively in a diverse environment and understand how global and cultural issues affect the organization and its stakeholders.

Discipline Specific Student Learning Outcomes

Students will demonstrate achievement of the following outcomes:

1. Demonstrate the ability to collect, clean, manage, and store data
2. Demonstrate the ability to combine and describe diverse datasets and interpret results to understand business problems.
3. Apply various data analytic techniques and the principles of machine learning to solve business problems and make informed business decisions.

Business Analytics and Data Science, Minor

The minor in Business Analytics and Data Science offered by the School of Business gives students in any major the additional data analytics skills being demanded by employers in almost every field. The minor allows students to better pursue career opportunities in their respective majors and give them a leg up in the job market.

The minor in Business Analytics and Data Science program consists of four specialization courses (12 credits) and two minor elective courses (6 credits), for a total of 18 credits.

Code	Title	Credits
Minor Requirements (12 credits)		
FINC 305	Introduction to Data Science	3
FINC 405	Programming Basics for Business Analytics and Data Science	3
FINC 430	Principles of Machine Learning	3
FINC 403	Fundamentals of Data Visualization for Business Analytics and Data Sciences	3
Select two electives from the following: (6 credits) [1]		
FINC 306	Statistical and Mathematical Foundations for Business Analytics and Data Science	3
FINC 410	Introduction to Forecasting Models and Experimental Design for Business Analytics and Data Science	3
FINC 415	Basics of Data Collection, Data Warehousing, and Data Cleansing	3
FINC 495	Capstone in Data Science	3
Total Credits		**18**

[1] Students complete two courses (6 credits) from among those listed. Other relevant courses may be proposed as minor electives in consultation with the student's advisor and subject to approval.

Upon completion of the Minor in Business Analytics and Data Science students will be able to:

- SLO1: Apply statistical analysis and machine learning techniques to build predictive models.
- SLO2: Explain and communicate the findings of the data analysis using visualization techniques and reports
- SLO3: Demonstrate ability to use large and diverse datasets and extract value from them to make data driven business decisions.

Business Information Systems, B.S.*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

The Bachelor of Science in Business Information Systems program will prepare students with the skills needed to work in the information technology industry. The program is designed as a bridge between business and technology. Different from a pure computer science program or a traditional business program, this program equips student with both business knowledge and technical skills. Students will learn how to design a business-strategic plan aligning with technology and information system principals.

Minimum Grade Requirements

- Students must earn a grade of C or higher in each School of Business course (ACCT, BUSI, ECON, FINC, MGMT, MKTG) used in fulfillment of a graduation requirement.

Total Credit Hours: 75

Code	Title	Credits
Common Core Requirements (33 credits)		
MGMT 225	Business Enterprise Applications	3
MGMT 251	Operations and Project Management Fundamentals	3
ECON 203	Business Statistics	3
MGMT 211	Principles of Management	3
MKTG 231	Principles of Marketing	3
MGMT 241	Global Business	3
ACCT 251	Financial Accounting	3
ACCT 252	Management Accounting	3
MGMT 235	Business Law I: Legal Environment of Business	3
FINC 371	Managerial Finance	3
MGMT 411	Business Policy	3
Specialization Requirements (30 credits)		
FINC 221	Foundations of Business Information Systems	3
FINC 222	Ethical and Social Issues in Business Information Systems	3
FINC 310	Basics of Business Telecommunications and Technology Infrastructure	3
FINC 312	Analysis and Design of Business Information Systems	3
FINC 305	Introduction to Data Science	3
FINC 405	Programming Basics for Business Analytics and Data Science	3
FINC 412	Principles of Business Information Systems Security and Risk Management	3

FINC 415	Basics of Data Collection, Data Warehousing, and Data Cleansing (Basics of Data Collection, Data Warehousing and Data Cleansing)	3
FINC 417	Principles of Business Information Systems Project Management	3
FINC 495	Capstone in Data Science	3
Recommended Electives (12 credits)		
Students may choose to take 12 credits as business information systems electives OR 18 credit as minor in Data Science, for example, or other minor. Electives can be chosen from any of the data science courses and other courses with the approval of the advisor.		
General Education Courses Required		
MATH 164	Pre-Calculus for Business Students	4
or ECON 211	Business and Economic Statistics	
ECON 207	Principles of Economics:Macro	3
ECON 208	Principles of Economics:Micro	3

Freshman

Semester 1		**Credits**
MATH 164 or ECON 211	Pre-Calculus for Business Students or Business and Economic Statistics	3-4
	Credits	**3-4**
Semester 2		
MGMT 211	Principles of Management	3
	Credits	**3**
Sophomore		
Semester 1		
MGMT 241	Global Business	3
ECON 207	Principles of Economics:Macro	3
MGMT 225	Business Enterprise Applications	3
ACCT 251	Financial Accounting	3
	Credits	**12**
Semester 2		
ECON 208	Principles of Economics:Micro	3
ECON 203	Business Statistics	3
ACCT 252	Management Accounting	3
FINC 305	Introduction to Data Science	3
	Credits	**12**
Junior		
Semester 1		
MGMT 251	Operations and Project Management Fundamentals	3
MGMT 235	Business Law I: Legal Environment of Business	3
FINC 221	Foundations of Business Information Systems	3
FINC 222	Ethical and Social Issues in Business Information Systems	3
	Credits	**12**
Semester 2		
MKTG 231	Principles of Marketing	3
FINC 371	Managerial Finance	3
FINC 405	Programming Basics for Business Analytics and Data Science	3
FINC 415	Basics of Data Collection, Data Warehousing, and Data Cleansing (Basics of Data Collection, Data Warehousing and Data Cleansing)	3
FINC 312	Analysis and Design of Business Information Systems	3
	Credits	**15**
Senior		
Semester 1		
MGMT 411	Business Policy	3
FINC 310	Basics of Business Telecommunications and Technology Infrastructure	3
FINC 417	Principles of Business Information Systems Project Management	3
Major Elective or Minor Requirement		3
	Credits	**12**
Semester 2		
FINC 412	Principles of Business Information Systems Security and Risk Management	3
FINC 495	Capstone in Data Science	3
Major Elective or Minor Requirement		3
Major Elective or Minor Requirement		3
Major Elective or Minor Requirement		3
	Credits	**15**
	Total Credits	**84-85**

PENDING UPDATE

Upon completion of the B.S program in Business Information Systems, students will be able to:

- SLO1: Apply theoretical and technical knowledge to develop effective Business Information Systems
- SLO2: Analyze a given set of managerial and organizational requirements and implement a BIS solution to meet these requirements.
- SLO3: Communicate business concepts effectively through oral presentation.
- SLO4: Assess the implications of ethical issues and the place of social responsibility in sustainable business practices.
- SLO5: Collaborate productively as part of a team.
- SLO6: Support the delivery, use and management of BIS within an information system environment.

Finance, B.S.

The Bachelor of Science in Finance program helps students to develop an understanding of the role of financial institutions, gain knowledge of how assets and liabilities are managed, and learn the strategies for financial planning and risk management in domestic and international markets.

A degree in finance prepares graduates for careers in commercial banking, corporate treasury, insurance, investment banking, and real estate. Students also acquire the business skills necessary to launch and grow their own businesses.

A Bachelor of Science in Finance degree prepares students for graduate studies in all areas of business.

Minimum Grade Requirements

- Students must earn a grade of C or higher in each School of Business course (ACCT, BUSI, ECON, FINC, MGMT, MKTG) used in fulfillment of a graduation requirement.

Total Credit Hours: 67

Code	Title	Credits
Common Core Requirements (33 credits)		
MGMT 225	Business Enterprise Applications	3
MGMT 251	Operations and Project Management Fundamentals	3
ECON 203	Business Statistics	3
MGMT 211	Principles of Management	3
MKTG 231	Principles of Marketing	3
MGMT 241	Global Business	3
ACCT 251	Financial Accounting	3
ACCT 252	Management Accounting	3
MGMT 235	Business Law I: Legal Environment of Business	3
FINC 371	Managerial Finance	3
MGMT 411	Business Policy	3
Major Requirements (18 credits)		
FINC 320	Investment Principles for Financial Planning	3
ECON 364	Money & Banking	3
FINC 364	International Finance	3
FINC 473	Portfolio Analysis	3
FINC 474	Capital Markets & Financial Institutions	3
FINC 471	Seminar:Issues in Corporate Finance	3
Finance Major Electives (6 credits): Any two courses from the following list:		
FINC 215	Real Estate Principles I	3
FINC 305	Introduction to Data Science	3
FINC 330	Tax Planning	3
FINC 370	Entrepreneurial Finance	3
FINC 375	Essentials of Professional Financial Planning	3
FINC 391	Foreign Trade	3
FINC 405	Programming Basics for Business Analytics and Data Science	3
FINC 420	Principles of Estate & Insurance Planning	3
FINC 435	Financial Planning for Retirement, Benefits, & Education	3
FINC 404	Risk Management and Insurance	3
FINC 425	Spreadsheet Applications in Business and Finance	3
ACCT 253	Quick Books	3
ACCT 351	Intermediate Accounting I	3
ECON 320	Econometrics	3
MGMT 312	Human Resource Management	3
MGMT 413	Business Information Systems	3
MKTG 331	Consumer Behavior	3
General Education Courses Required		
MATH 164	Pre-Calculus for Business Students	4
ECON 207	Principles of Economics:Macro	3
ECON 208	Principles of Economics:Micro	3

*Students must earn a C or better in all Business courses

Freshman		
Semester 1		**Credits**
MATH 164	Pre-Calculus for Business Students	4
	Credits	**4**
Semester 2		
MGMT 211	Principles of Management	3
	Credits	**3**
Sophomore		
Semester 1		
MGMT 241	Global Business	3
ECON 207	Principles of Economics:Macro	3
MGMT 225	Business Enterprise Applications	3
ACCT 251	Financial Accounting	3
	Credits	**12**
Semester 2		
ECON 208	Principles of Economics:Micro	3
ECON 203	Business Statistics	3
ACCT 252	Management Accounting	3
	Credits	**9**
Junior		
Semester 1		
MGMT 251	Operations and Project Management Fundamentals	3
MGMT 235	Business Law I: Legal Environment of Business	3
FINC 371	Managerial Finance	3
	Credits	**9**
Semester 2		
MKTG 231	Principles of Marketing	3
ECON 364	Money & Banking	3
FINC 320	Investment Principles for Financial Planning	3
FINC 364	International Finance	3
	Credits	**12**
Senior		
Semester 1		
FINC 473	Portfolio Analysis	3
FINC 474	Capital Markets & Financial Institutions	3
FINC XXX Major Elective/Minor Course		3
	Credits	**9**
Semester 2		
MGMT 411	Business Policy	3
FINC 471	Seminar:Issues in Corporate Finance	3

FINC XXX Major Elective/Minor Course		3
	Credits	**9**
	Total Credits	**67**

Student Learning Outcomes

Upon completion of the Bachelor of Science in Finance, students will be able to:

1. Identify ethical issues and understand the implications of social responsibility for sustainable business practices.
2. Evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
3. Utilize technology, apply quantitative methods and interpret data to solve business problems.
4. Integrate knowledge of core business concepts and collaborate productively as part of a team.
5. Work effectively in a diverse environment and understand how global and cultural issues effect the organization and its stakeholders.
6. Compose clear and concise forms of written communication to effectively convey ideas and information associated with business topics.
7. Communicate business concepts effectively through oral presentation.
8. Apply financial concepts and tools to analyze problems and inform business decisions in a global economy.

Finance, Minor

The minor in finance is for students whose career goal is related to finance and/or who want to take charge of their own financial future. It is open to any student in any major who wants a basic understanding of finance to complement his/her major field of study.

Code	Title	Credits
For Business Students		
Prerequisites		**10**
MATH 164	Pre-Calculus for Business Students	4
ACCT 251	Financial Accounting	3
FINC 371	Managerial Finance	3
Required Courses		**12**
FINC 320	Investment Principles for Financial Planning	3
FINC 364	International Finance	3
FINC 473	Portfolio Analysis	3
FINC 474	Capital Markets & Financial Institutions	3
Elective (select one of the following courses):		**3**
FINC 215	Real Estate Principles I	3
FINC 305	Introduction to Data Science	3
FINC 370	Entrepreneurial Finance	3
FINC 375	Essentials of Professional Financial Planning	3
FINC 391	Foreign Trade	3
FINC 404	Risk Management and Insurance	3
FINC 405	Programming Basics for Business Analytics and Data Science	3
FINC 425	Spreadsheet Applications in Business and Finance	3
FINC 471	Seminar:Issues in Corporate Finance	3
ACCT 253	Quick Books	3
ACCT 351	Intermediate Accounting I	3
ECON 320	Econometrics	3
ECON 364	Money & Banking	3
Total Credits:		**25**

Code	Title	Credits
For Non-Business Students		
Prerequisites		**7**
FINC 220	Foundations of Finance for Business and Life	3
MATH 175	Enhanced Precalculus	4
or MATH 164 Precalculus for Business Students		4
or Equivalent		
Required Courses		**12**
FINC 250	Financial Literacy: Strategies for Financial Success	3
FINC 371	Managerial Finance	3
FINC 320	Investment Principles for Financial Planning	3
FINC 474	Capital Markets & Financial Institutions	3
Elective (select one of the following courses):		**3**
FINC 215	Real Estate Principles I	3
FINC 305	Introduction to Data Science	3
FINC 364	International Finance	3
FINC 370	Entrepreneurial Finance	3
FINC 375	Essentials of Professional Financial Planning	3
FINC 391	Foreign Trade	3
FINC 404	Risk Management and Insurance	3
FINC 405	Programming Basics for Business Analytics and Data Science	3
FINC 425	Spreadsheet Applications in Business and Finance	3
FINC 471	Seminar:Issues in Corporate Finance	3
FINC 473	Portfolio Analysis	3
ECON 320	Econometrics (or equivalent)	3
ECON 364	Money & Banking	3
Total Credits:		**22**

Upon completion of the Minor in Finance program, students will be able to use financial concepts and tools to analyze problems:

1. Employ key concepts in investment analysis: asset allocation, stock selection, and bond valuation.
2. Determine investment strategies to achieve financial goals.
3. Assess financing cost for businesses.
4. Evaluate financial institutions, financial markets, and regulatory entities.

Professional Financial Planning, Minor*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

This minor provides a course of study to prepare students for careers as financial advisors to individuals, families, and small businesses. In particular, ***it follows the prescribed curriculum to meet the education requirement of the CFP Board of Standards.*** Students will be trained in the ethical code and professional standards of the financial planning practice, and prepared to counsel clients on all aspects of their financial lives: Investing, taxes, insurance, retirement, education and estate planning.

Code	Title	Credits
Prerequisites: (Satisfactory completion of one of the following three courses (or their equivalents). Note: Business majors are expected to take FINC 371 as part of their Business common core requirements, before beginning the minor program.)		
FINC 220	Foundations of Finance for Business and Life	3
FINC 250	Financial Literacy: Strategies for Financial Success	3
FINC 371	Managerial Finance	3
Required Courses (Finance majors, who already take FINC 320 as part of their major, can complete the program in 15 credits.)		**18**
FINC 375	Essentials of Professional Financial Planning	3
FINC 320	Investment Principles for Financial Planning	3
FINC 330	Tax Planning	3
FINC 435	Financial Planning for Retirement, Benefits, & Education	3
FINC 420	Principles of Estate & Insurance Planning	3
FINC 490	Capstone Financial Planning Case Study	3

By the completion of the Professional Financial Planning Minor, students will be able to:

1. Identify ethical issues and understand the implications of social responsibility for sustainable business practices.
2. Evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
3. Utilize technology, apply quantitative methods and interpret data to solve business problems.
4. Integrate knowledge of core business concepts and collaborate productively as part of a team.
5. Work effectively in a diverse environment and understand how global and cultural issues effect the organization and its stakeholders.
6. Compose clear and concise forms of written communication to effectively convey ideas and information associated with business topics.
7. Communicate business concepts effectively through oral presentations.
8. Explain the requirements of professional ethics and regulation.
9. Employ the general principles and best practices of Financial Planning, as they.
    a. Plan for education expenses.
    b. Assess the need for risk management and insurance.
    c. Apply investment management principles.
    d. Identify areas for tax savings.
    e. Design methods for assuring income in retirement.
    f. Create a plan for appropriate disposition of deceased assets.
10. Integrate the above competencies in a comprehensive financial plan for a client.
11. Communicate the financial plan in both written and oral form in a manner that is understandable to the layman/client.
12. Demonstrate information literacy and civic responsibility by ensuring that their recommendations are consistent with current tax, retirement and estate planning laws and regulations.

Management

Management Department (https://www.njcu.edu/academics/schools-colleges/school-business/departments/management)
200 Hudson Street, Harborside 2
(201) 200-3353

The Management Department provides a diverse array of academic majors, meticulously designed to propel graduates into leadership roles and accelerate their career advancement. Pursuing a bachelor's degree in management empowers students with the critical skills needed to effectively manage people and resources. Whether you choose to major in Global Business, Management, Sports Management, or Supply Chain Logistics and Maritime Port Management, you will hone your analytical, problem-solving, and communication abilities. These are essential skills for thriving in today's complex and fast-paced world. A management degree not only opens a wide array of career opportunities but also equips you with the expertise and confidence to become a visionary leader in your field.

John Donnellan, Chairperson
Professor of Management
New York City Technical College, A.A.; Pace University, New York, B.B.A; Nova Southeastern University, M.B.A.; Pace University, D.P.S.

Yi-Yu Chen
Assistant Professor of Management
Chung Yuan University, B.A.; Rutgers University, M.B.A., Ph.D.

John Laski
Professor of Management
Salve Regina University, A.S.; Nyack College, B.S.; Saint Thomas Aquinas College, M.B.A., Nova Southeastern University, D.B.A.

EunSu Lee (elee3@njcu.edu)
Professor of Management
Catholic Kwandong University, B.E.; Hanyang University, Seoul, Korea, M.B.A.; North Dakota State University, M.S., Ph.D.

Lauren Michele Johnson
Assistant Professor of Management/Sports Management
Hampton University, B.S., M.S.; University of Georgia, Ph.D.

Melanie McDonald (mmcdonald@njcu.edu)
Associate Professor of Management
New Jersey City University, B.S., M.S.; Tiffin University, M.B.A.; Seton Hall University, Ph.D.

- Business, Minor (p. 260)
- Global Business, B.S. (p. 260)
- Management, B.S. (p. 261)
- Sports Management, B.S. (p. 263)
- Supply Chain, Logistics and Maritime Port Management, B.S. (p. 264)

Management (MGMT)

MGMT 1XX Management Transfer Credit (0 Credits)

MGMT 2XX Management Transfer Credit (0 Credits)

MGMT 110 Life is Good Business: Understanding how Business Impacts Everyday Life (3 Credits)
This course is an introduction to and overview of the world of business and how it impacts everyone's daily life. Students learn business concepts in a cultural and civic context enabling them to be better citizens, better consumers, and better able to chart their personal and professional careers.

MGMT 211 Principles of Management (3 Credits)
The purpose of this course is to examine theory related to the managerial function including areas such as planning, organizing, staffing and controlling business organizations. The case study method is used.

MGMT 219 Cannabis (Marijuana) and Business (3 Credits)
This course introduces students to the rapidly-growing cannabis (marijuana) industry and the entrepreneurial opportunities presented. Students will explore many of the business, ethical, and legal issues unique to the cannabis industry, such as the challenges in securing banking services, lack of industry-specific guidelines, and inconsistent workplace policies regarding cannabis.

MGMT 221 MYOB: Mind Your Own Business (3 Credits)
This course provides students with the concepts and tools to assess, discover and unlock the potential for seeing opportunity, and to translate the opportunity or idea into a business. Students will explore what skills, knowledge and behaviors are useful to the entrepreneur and engage in community based research.

MGMT 225 Business Enterprise Applications (3 Credits)
This course provides a foundation in current business software and applications. It prepares students for certification in the most widely used software and business applications, including but not limited to Excel and Bloomberg Essentials, an introduction to Word, PowerPoint and other business related technology. No prior computer experience is necessary.

MGMT 230 Business Communications Essentials (3 Credits)
This course is designed to provide students with an understanding of the many communication needs for business professionals, especially start-ups and small business owners, including written, oral, and digital communication. The course will examine how communications skills are applied, including interpersonal communication, intercultural and international communication, and leadership.
Pre-Requisite(s): ENGL 101 English Composition I

MGMT 235 Business Law I: Legal Environment of Business (3 Credits)
This course is designed to provide a basic knowledge of business law and legal reasoning. Topics include the legal environment of business, constitutional law, intellectual property, torts, product liability, the law of contracts, sales, and employment law. Ethical issues are discussed throughout the semester in order to sensitize the student.

MGMT 236 Business Law II: Business Organizations and Transactions (3 Credits)
This course provides the student with an advanced understanding of business law. Topics include creditors' rights, bankruptcy and reorganization, law of agency, forms of business organizations, personal property, and accountant liability. Business ethical issues and controversies are discussed throughout the semester.
Pre-Requisite(s): MGMT 235 Business Law I

MGMT 241 Global Business (3 Credits)
This survey course evaluates the cultural, political and economic environments of international business as well as the role of international and regional organizations in facilitating commerce. Particular emphasis will be placed on the European Economic Community and developing nations.

MGMT 249 Service Management Principles (3 Credits)
This course provides an overview of the various components of service management and how to manage customer needs through delivery of a bundle of services and physical goods that generate value. This course covers a mix of topics including service strategy design, service quality management, and service delivery processes.

MGMT 250 Operations and Supply Chain Management Fundamentals (3 Credits)
This course is designed to provide a foundation in Operations and Supply Chain Management. Students will be exposed to the main principles and basic theories of supply chain management including procurement, production, transportation, warehousing, inventory management, and information management.

MGMT 251 Operations and Project Management Fundamentals (3 Credits)
This course provides a broad overview of operations, supply chain, and project management emphasizing a strategic orientation to design and improvement issues. Specific topics include competitiveness, operations, strategy, quality management, statistical process control, product design, process design, facility design, project management, supply chain management, inventory management, lean production, and scheduling.

MGMT 300 Introduction to Supply Chain, Logistics and Port Management (3 Credits)
This course is designed to provide a foundation in Supply Chain, Logistics and Maritime Port Management. Students will be introduced to the main principles and basic theories of supply chain management including procurement, production, transportation, warehousing, inventory management, logistics, port management features and information management.
Pre-Requisite(s): MGMT 211

MGMT 301 Professional Development (3 Credits)
A survey course of essential management skills for the 21st century manager including: self assessment, career planning, business etiquette, succeeding in a global and diverse business environment, cultural business resources, cultural business awareness and sensitivity, career document and portfolio development, networking, communication skills, utilizing technology.

MGMT 302 Undergraduate Business Field Study I (3 Credits)
The Undergraduate Business Field Study I emphasizes the relationship of concepts and skills learned in the classroom with real world experiences. Students will work part-time in a position approved by the undergraduate program advisor or department chair and complete a project paper under the supervision of a faculty advisor.

MGMT 305 Procurement and Supplier Management (3 Credits)
This course is designed to provide a foundation in Procurement and Supplier Management. Students will be expose to key principles of purchasing and supplier strategies. Role of purchasing in today's supply chain is re-evaluated to include traditional functions but also competencies gained from partnering with suppliers. Integration of suppliers resources at product development and operational levels will also be examined.
Pre-Requisite(s): MGMT 211

MGMT 306 Logistics and Transportation Management (3 Credits)
This course is designed to provide a foundation in Logistics and Transportation Management. Students will be expose to key components involved in the operations of supply chains and evaluate their corresponding transportation options to maximize the efficiency. The fundamental principles utilizing multiple modes of transportation to include air, maritime, and ground transportation will also be explored in this class.
Pre-Requisite(s): MGMT 211

MGMT 310 Port and Intermodal Transportation Management (3 Credits)
Logistics is a critical link in Supply Chain Management which uses all the modes of transportation. Port acts as the interphase between these modes. This course provides the students an insight into the operational aspects of Port and Intermodal Transportation.
Pre-requisite(s): MGMT 211

MGMT 311 Organization, Theory & Practice (3 Credits)
The impact of individuals, groups, and organizational structures on behavior within firms is examined in this course. The primary objective is to apply such knowledge toward improving a firm's effectiveness. Topics include behavior, attitudes and motivation of individuals; politics, conflict and consensus within and among group; and the structure, design, and development of organizations. Cases are studied within the context of theory.
Pre-Requisite: MGMT 211 Principles of Management

MGMT 312 Human Resource Management (3 Credits)
This course provides an opportunity to study the typical operations of a personnel department, including the determination of personnel requirements, the employment process, discipline and employee relations. Motivation, leadership, and wage and salary administration are also covered.
Pre-Requisite(s): MGMT 211 Principles of Management

MGMT 313 Event and Meeting Planning Management (3 Credits)
This course provides an analysis of details pertinent to the planning and execution of a hospitality event, large scale meeting and/or conference. Topics include strategic planning, event project management, event technology, financial management, human resources, event design, event marketing, and on site management.

MGMT 314 Facilities Management (3 Credits)
This course will examine all of the facets of public assembly facility management as they relate to recreational sites, hospitality venues, museums, galleries and stages, and other physical facilities. Among the topics to be presented and explored will be: event booking, finance, marketing, operations, scheduling, staffing and ticketing.

MGMT 315 Business Design and Innovation (3 Credits)
This course aims to introduce students to design thinking as a way of working with user centered innovation to solve problems, integrating the needs of people, the possibilities of technology and the requirements for business success. Students learn how to blend the perspectives of marketing, design and production into a systematic approach to delivering innovation through participation in a team-based opportunity evaluation and concept development project assignment.

MGMT 320 Sponsorship and Fundraising (3 Credits)
The purpose of this course is to investigate sponsorship and fundraising as components critical to non-profits, sports, arts and entertainment management that will include how they relate to segmentation, target marketing and integrated marketing communication; developing and selling sponsorships; buying and evaluating appropriate sponsorships; and special forms of sponsorships.

MGMT 321 Ethics and Corporate Social Responsibility (3 Credits)
Exploration of global issues related to business environments with a focus on the personal, professional, corporate, and public agencies' ethics and responsibility policies and procedures. Students will analyze the role of leadership in these issues in a broad socio-cultural context and critique actual cases. Each student will struggle with and develop an individual interpretation of leadership in ethics and responsible behavior in dealing with these common global issues.
Pre-Requisite(s): MGMT 211

MGMT 322 Sports and Entertainment Law for Business Students (3 Credits)
This course introduces students to the legal, business, and creative aspects of the sports and entertainment industries. Emphasis is placed on overlapping issues and practices in sports and entertainment, highlighting the music, film/television, and professional sports industries. Also, event management is briefly covered in connection with artist/athlete representation.

MGMT 323 Legal Issues in Entrepreneurship, Small and Medium-Sized Business (3 Credits)
This course emphasizes key business and legal issues relevant to growth oriented entrepreneurship (i.e. entrepreneurship over the life cycle of a business venture from startup enterprise, to more mature business entity). The course will mix academic concepts with practical application. Students will learn to anticipate future consequences of current.
Prerequisite: MGMT 235 Legal Environment of Business

MGMT 336 Restaurant Operations (3 Credits)
This course provides students with information on the basic principles of effective food production and restaurant management. The primary focus is on controlling costs for both food and labor, creating menu, managing a breakeven point.
Prerequisite: or Corequisite

MGMT 337 Principles of Sport Management (3 Credits)
The theoretical foundations of sport management and the practical applications are examined in this course. Topics reviewed include: accounting, budgeting, economics, law, communications, management and marketing.

MGMT 340 Systems Thinking and Analytics for Community (3 Credits)
This course offers the rationale for applying certain models to community and public sector managerial problems, assists students in the application of such models and guides students in the interpretation of results. The course includes basic quantitative techniques used in community decision making. The topics covered include: linear programming, network.
Prerequisite: or Corequisite

MGMT 350 Decision Intelligence in Supply Chains (3 Credits)
This course is designed to equip students with data gathering and analytical skills in the field of supply chain and logistics management. Students will explore what types of data are needed for a variety of issues, what analytical tools can be used, how to use PC based spreadsheet programs and Bloomberg terminals to track trends and relations in data, how to visualize data at hand, and how to create forecast reports to make informed decisions on issues related to effective supply chain and logistics management.
Pre-requisite(s): MGMT 203, MGMT 225

MGMT 386 Principles of Business Negotiation (3 Credits)
This course examines the principles of negotiation for understanding and applying the skills to request, approach, and engage in successful conflict resolution. Students will participate in simulations, review theory, and practice problem-solving techniques. This course will provide students the opportunity to reflect on their personal tendencies in resolving conflict.
Pre-Requisite(s): ACCT 381 / Management students - MGMT 312

MGMT 390 Intro to Tourism Management (3 Credits)
This course provides a review of principles, practices and procedures in the organization, administration and supervision of travel, tourism and commercial recreation services. Emphasis is upon the technical, legal, financial, programmatic and marketing aspects of managing various types of travel, tourism and commercial recreation industries.

MGMT 392 Quality Management and Customer Service Tourism (3 Credits)
This course provides a review of principles, practices and procedures in the organization, administration and supervision of travel, tourism and commercial recreation services. Emphasis is upon the technical, legal, financial, programmatic and marketing aspects of managing various types of travel, tourism and commercial recreation industries.

MGMT 393 International Tourism (3 Credits)
This is a survey course of concepts and information required for a basic understanding of the business aspects of the international tourism industry. It includes familiarization with the current status and ability to research: destination marketing, travel health, safety and security, diplomatic institutions, travel documents, immigration and customs, cultural aspects of international tourism; financial, legal and economic travel trends. Students will become familiar with tourism statistics from the international Monetary Fund and the World Tourism Organization and learn how to use these statistics in determining tourism economic forecasts. Students will incorporate and use this information and the acquired research tools by creating a virtual tour of an assigned region for assigned market segments.

MGMT 394 Tourism Marketing and Sales (3 Credits)
This course provides an analysis of the specialized methods and techniques utilized in the marketing of travel and tourism services. Focus is given to the nature of marketing in a service industry, with emphasis on experiences desired by visitors. Topics covered include tourism marketing plans, market segmentation, positioning and distribution of services, advertising and sales techniques, special events, resource protection and interpretation.
Pre-Requisite(s): MGMT 390 Introduction to Travel and Tourism Management

MGMT 397 Hotel and Resort Management (3 Credits)
This course provides an introduction to the accommodations industry including history, organizational structures, departmental functions and operations, terminology, marketing resources, trends, technology and management career paths.

MGMT 398 Introduction to Casino Management (3 Credits)
Overview of the casino and gaming industry including: traditional land based casinos; riverboats; limited stakes casinos; Indian gaming; cruise ship casinos; casino boats; race and sports book; lottery; historical perspective; common terms; legal, social and economic impacts; regulation and control; and future industry trends.

MGMT 399 Introduction to Cruise Industry (3 Credits)
A survey course of the cruise industry management including: cruise lines, ships, history of cruising; human resource practices; marketing; design; terminology and future trends.

MGMT 403 Business Field Study II (3 Credits)
This course builds on the relationship of concepts and skills learned in the classroom with real world experience and the lessons learned from Field Study I. Students will work in an approved position complete a project paper under the supervision of a faculty advisor.

MGMT 405 Life Cycle Cost Analysis (3 Credits)
This course will provide students with concepts of life-cycle assessment (LCA), economic input-output based LCA (EIO-LCA), benefit-cost analysis (BCA), product life cycle, and sustainable design and planning. The course will explore rationalization of using a particular technique and interpret outputs.

MGMT 410 Seminar: Applied Leadership (3 Credits)
This course acquaints students with leadership, management, and quality issues facing leaders in a global business environment. Topics include: leadership, theories and practices, development and planning, implementation and evaluation, changing leadership styles, continuous improvement, quality service, power and empowerment, communication skills, goal setting, high-performance teams, diversity, managing organizational change.
Pre-requisite(s): MGMT 211 and MGMT 311

MGMT 411 Business Policy (3 Credits)
This course offers a study of policy formulations in the business enterprise. The impact of outside forces on business policy is studied. Modern management practices are studied and surveyed. The case study method is used.
Pre-Requisite(s): FINC 371 Managerial Finance and Senior Standing

MGMT 412 Global Supply - Chain Management (3 Credits)
The fundamentals of production management as they apply to the areas of work measurement, production scheduling, quality control and other functions related to production are the focus of this course.
Pre-requisite(s): MGMT 211.

MGMT 413 Business Information Systems (3 Credits)
This course provides an integrative study of what constitutes management information, goals of management, measures of information value in support of those goals and usual sources of information. The course reviews how management utilizes the vast amounts of computer generated data.
Pre-requisite(s): MGMT 211 & MGMT 225

MGMT 414 Management Analytics (3 Credits)
This course offers the rationale for applying certain models to managerial problems, assists students in the application of such models and guides students in the interpretation of results. The course includes basic quantity techniques used in managerial decision making. The topics covered include: linear programming, queuing, network analysis, inventory models and decision making under uncertainty.
Pre-requisite(s): MGMT 203, MGMT 211, and MATH 164 or MATH 1165

MGMT 415 Sustainability in Supply Chain, Logistics, and Transportation Management (3 Credits)
This course will provide students with concepts and research framework in sustainable supply chain, logistics, and transportation management. The course will emphasize the role of supply chain and transportation in sustainable development and explore the best practices in business and the relationship between business and the society.
Pre-Requisite: MGMT 300 Introduction to Supply Chain Management

MGMT 416 Applied Entrepreneurship (3 Credits)
The operation of small-scale business is studied. This course gives the student insight into the operations of a small business from a practical aspect. Speakers and case studies are drawn from the Small Business Administration.

MGMT 476 Not-for-Profit Management (3 Credits)
This course is designed to introduce students to the specialized fields of accounting and management for governmental and not-for-profit entities. In addition, strategies for the budgeting and management of institutions, as well as compliance with accounting and government standards are developed.

MGMT 480 Workplace Diversity (3 Credits)
Course explores how economic, social and cultural changes have influenced business and America society. It demonstrates how diversity in the workplace can promote excellence and higher organizational achievement.

MGMT 490 Sports Management Capstone: Contemporary Issues in Sports Management (3 Credits)
Students will focus on an applied project relative to a specific aspect of sports management that best reflects his or her academic or professional interests. In this way, the course assesses cross functional knowledge of the sports industry.

MGMT 491 Hospitality Management Capstone: Contemporary Issues in Hospitality Management (3 Credits)
Students will focus on an applied project relative to a specific aspect of hospitality management that best reflects his or her academic or professional interests. In this way, the course assesses cross-functional knowledge of the hospitality industry.

MGMT 492 Technology in Tourism Management (3 Credits)
Examination of technology applied to tourism and hospitality industry including: computer hardware, software, networks and Internet; applications for communication, security, environmental protection, customer service, travel, marketing and sales, planning and development; future trends; cost benefit analysis; and demonstration of competency of basic graphics, spreadsheet and database applications.

MGMT 494 Seminar: Supply Chain, Logistics, and Maritime Port Management (3 Credits)
This course is designed to explore concurrent topics and issues in the field of supply chains and logistics. Topics may vary from semester to semester. Examples of the topics include but not limit to sustainability in supply chains, green environment and supply chain performance, role of social media in lean supply chain management, risk assessment, productivity and quality control in supply chains, management of technology and innovation in logistics, information technology in operations management, service operations management, and supply chains in health care and pharmaceutical industry. Case studies are used for students to have hands on experiences on managing issues to optimize the value of supply chain processes and operations.
Pre-Requisite(s): MGMT 203 & MGMT 225.

MGMT 495 Capstone Seminar in Global Management (3 Credits)
This course focuses on capstone integration of real organizational situations in the context of global business. Students will evaluate theories of management as applied to business/corporate level strategy, firm performance, and global citizenship in particularly management of multicultural teams, using case studies.
Pre-Requisite(s): MGMT 211 and MGMT 241

MGMT 515 Behavioral Issues and Ethics in Management (3 Credits)
Managerial theories and behavioral concepts are examined in planning, organizing, staffing and controlling organizations. Emphasis is on ethics, teamwork, leadership, motivation, change and development. Readings in current and classical literature expand historical management through and alignment of managerial, financial and organizational goals with behavioral issues in developing budgets and standards.

MGMT 516 Global Strategic Management (3 Credits)
This course makes an in-depth review of the changes in management, marketing, finance, and production management resulting from the globalization of world markets. The view is through the experiences, success, and failures of real managers involved in global strategic planning.

MGMT 517 Optimization and Decision Modeling (3 Credits)
This course provides students with an understanding of the role of business analytics and optimization. Topics include linear programming (LP), nonlinear programming, transportation problems and assignments, project management, decision analysis, decision theory, and simulation frequently shown in management, project and resource management, supply chain management, logistics and transportation management.

MGMT 518 Business Analytics in Supply Chain, Logistics and Maritime Port Management (3 Credits)
This course will address supply chain, logistics, and transportation strategic, tactic, and operational considerations in planning, controlling, organizing, and measuring using analytical skills. The course will also discuss risk management and sustainability. A variety of analytics techniques and tools will be used in the course.

MGMT 581 Business Law for Managers (3 Credits)
Course provides the graduate student seeking an MS in Accounting from the Department of Business Administration with coverage of the business law topics of the CPA exam. In particular, the course focuses on the law of contracts, agency, real property, bankrutcy, securities regulation, Article 2 (Sales) and Article 3 (Comercial Paper) of the Uniform Commercial Code, debtor-creditor relationships, government regulation and CPA legal ability. This graduate course is an elective course in the MS in Accounting proram and required for graduate students who have not had a college level course in business law within the pprevious five years of entering the MS in Accounting Program.

MGMT 595 Executive Communication (3 Credits)
Executive Communication emphasizes ethical effective communications concepts and skills for executives and professionals to achieve organizational objectives and personal excellence. It integrates a short review of Principles; Business Writing (clarity, brevity, organization, and tone); and Speaking/Presenting (neurolinguistics programming, body language, media constraints, engagement, technology, charts and graphs) for maximum clarity.

MGMT 1211 Principles of Management (Honors) (3 Credits)
The purpose of this course is to examine theory related to the managerial function including areas such as planning, organizing, staffing and controlling business organizations. The case study method is used.

*Business majors must earn a C or better in all School of Business courses

Business, Minor*

Program Status: Discontinued (No New Admissions)

This program is not accepting external or internal applications. Students currently enrolled or previously admitted should consult with an advisor regarding available options, including alternative programs and, where applicable, pathways to complete remaining requirements subject to applicable institutional requirements and approvals.

A business minor is available to all students except for those majoring in a discipline within the School of Business. The business minor provides non-business majors with preparation in business theory and application.

Code	Title	Credits
Minor Requirements:		**15**
ACCT 251	Financial Accounting	3
ECON 115	Money and Markets	3
FINC 220	Foundations of Finance for Business and Life	3
MGMT 211	Principles of Management	3
MKTG 231	Principles of Marketing	3
Select one elective from among the following:		**3**
ACCT 253	Quick Books	3
MGMT 235	Business Law I: Legal Environment of Business	3
MGMT 241	Global Business	3
ECON 207	Principles of Economics:Macro	3
FINC 370	Entrepreneurial Finance	3
MGMT 225	Business Enterprise Applications	3
MGMT 230	Business Communications Essentials	3
MGMT 251	Operations and Project Management Fundamentals	3
MKTG 331	Consumer Behavior	3
MKTG 332	Integrated Marketing Communication	3
Total Credits:		**18**

Additional courses from the School of Business may be used to satisfy the requirement for an elective, subject to approval of a substitution request.

Student Learning Outcomes

Upon completion of the Business Minor, students will be able to:

1. Identify ethical issues and understand the implications of social responsibility for sustainable business practices.
2. Evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
3. Utilize technology, apply quantitative methods and interpret data to solve business problems.
4. Integrate knowledge of core business concepts and collaborate productively as part of a team.
5. Work effectively in a diverse environment and understand how global and cultural issues effect the organization and its stakeholders.
6. Compose clear and concise forms of written communication to effectively convey ideas and information associated with business topics.
7. Communicate business concepts effectively through oral presentation.

Global Business, B.S.

The Bachelor of Science in Global Business provides students with a comprehensive understanding of the complexities and dynamics of international markets. This program equips students with the skills and knowledge necessary to excel in a globalized economy, preparing them for successful careers in international trade, finance, marketing, and management.

Through a blend of theoretical and practical learning, students gain insights into global business strategies, cross-cultural communication, international logistics, and global economic policies. The curriculum is designed to foster critical thinking, problem-solving, and decision-making skills, essential for navigating the challenges of today's interconnected world.

Graduates of the Global Business program are well-prepared to take on leadership roles in multinational corporations, government agencies, non-profit organizations, and other entities engaged in international business. They possess the expertise to analyze global market trends, develop strategic plans, and implement effective solutions in diverse and multicultural environments. With a strong foundation in global business principles, graduates are equipped to contribute to the success and growth of organizations operating on a global scale.

Completion of the Bachelor of Science in Global Business prepares the student for a career in multinational firms, financial institutions, international organizations, and government. Graduates are qualified for continued study at the master's level.

Minimum Grade Requirements

- Students must earn a grade of C or higher in each School of Business course (ACCT, BUSI, ECON, FINC, MGMT, MKTG) used in fulfillment of a graduation requirement.

Total Credit Hours: 60

Code	Title	Credits
Common Core Requirements (33 credits)		
ACCT 251	Financial Accounting	3
ACCT 252	Management Accounting	3
ECON 203	Business Statistics	3
FINC 371	Managerial Finance	3
MGMT 211	Principles of Management	3
MGMT 225	Business Enterprise Applications	3
MGMT 235	Business Law I: Legal Environment of Business	3
MGMT 241	Global Business	3
MGMT 251	Operations and Project Management Fundamentals	3
MGMT 411	Business Policy	3
MKTG 231	Principles of Marketing	3
Major Requirements (21 credits)		
ACCT 366	International Accounting	3

FINC 364	International Finance	3
FINC 391	Foreign Trade	3
MGMT 230	Business Communications Essentials	3
MGMT 412	Global Supply - Chain Management	3
MGMT 495	Capstone Seminar in Global Management	3
MKTG 363	Global Marketing	3
Language Requirement (6 credits)		
Foreign Language		3
Foreign Language		3
General Education Courses Requirement		
MATH 164	Pre-Calculus for Business Students	4
ECON 207	Principles of Economics:Macro [1]	3
ECON 208	Principles of Economics:Micro [1]	3

[1] Taken as a pre-major required course.

*Students must earn a C or better in all Business courses

Freshman		
Semester 1		**Credits**
MATH 164	Pre-Calculus for Business Students	4
	Credits	**4**
Semester 2		
MGMT 211	Principles of Management	3
	Credits	**3**
Sophomore		
Semester 1		
MGMT 241	Global Business	3
ECON 207	Principles of Economics:Macro (School of Business requirement. General Education Course)	3
MGMT 225	Business Enterprise Applications	3
ACCT 251	Financial Accounting	3
	Credits	**12**
Semester 2		
ECON 208	Principles of Economics:Micro (School of Business requirement. General Education Course)	3
ECON 203	Business Statistics	3
ACCT 252	Management Accounting	3
	Credits	**9**
Junior		
Semester 1		
MGMT 251	Operations and Project Management Fundamentals	3
MGMT 235	Business Law I: Legal Environment of Business	3
FINC 371	Managerial Finance	3
Foreign Language Course		3
	Credits	**12**
Semester 2		
MKTG 231	Principles of Marketing	3
MGMT 230	Business Communications Essentials	3
MKTG 363	Global Marketing	3
	Credits	**9**
Senior		
Semester 1		
ACCT 366	International Accounting	3
FINC 364	International Finance	3
MGMT 411	Business Policy	3
MGMT 412	Global Supply - Chain Management	3
Foreign Language Course		3
	Credits	**15**
Semester 2		
FINC 391	Foreign Trade	3
MGMT 495	Capstone Seminar in Global Management	3
	Credits	**6**
	Total Credits	**70**

Student Learning Outcomes

Upon completion of the Bachelor of Science in Global Business program, students will be able to:

1. Identify ethical issues and understand the implications of social responsibility for sustainable business practices.
2. Evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
3. Utilize technology, apply quantitative methods and interpret data to solve business problems.
4. Integrate knowledge of core business concepts and collaborate productively as part of a team.
5. Work effectively in a diverse environment and understand how global and cultural issues effect the organization and its stakeholders.
6. Compose clear and concise forms of written communication to effectively convey ideas and information associated with business topics.
7. Communicate business concepts effectively through oral presentation.
8. Evaluate the scope of global business and recognize the political and regulatory environments that shape international business and trade.

Management, B.S.

The Bachelor of Science in Management program offers a comprehensive education that equips students with the skills and knowledge necessary to lead and innovate in today's dynamic business environment. This degree prepares students for a wide range of career paths in various industries, including manufacturing, banking, marketing, hospitality, healthcare, and retail.

The curriculum encompasses core management principles, including organizational behavior, strategic planning, human resources, operations management, and business ethics. Students learn to effectively manage teams, projects, and resources, and are trained to think critically and solve complex business problems. The program emphasizes experiential learning through internships, case studies, and real-world projects, ensuring that students gain practical experience and industry insights.

Graduates of the Management program possess strong leadership, analytical, and communication skills, making them well-prepared to take on managerial and executive roles. They are equipped to drive

organizational success, foster innovation, and adapt to the ever-evolving business landscape. With a solid foundation in management principles and hands-on experience, graduates are ready to excel and make a significant impact in their chosen careers.

The Bachelor of Science in Management provides students with fundamental management concepts. This includes the management techniques of different organizations: business; government; health services; education and insurance. Continuing study examines the functional and analytical specialties within institutions. Graduates work as business practitioners, as managers in manufacturing, banking, marketing, hospitality operations, restaurants, and retail.

Minimum Grade Requirements

- Students must earn a grade of C or higher in each School of Business course (ACCT, BUSI, ECON, FINC, MGMT, MKTG) used in fulfillment of a graduation requirement.

Total Credit Hours: 57

Code	Title	Credits
Common Core Requirements:		**33**
ACCT 251	Financial Accounting	3
ACCT 252	Management Accounting (Pre-Requisite ACCT 251)	3
ECON 203	Business Statistics	3
FINC 371	Managerial Finance (Pre-Requisite ECON 208, ACCT 252, MATH 164)	3
MGMT 211	Principles of Management	3
MGMT 225	Business Enterprise Applications	3
MGMT 235	Business Law I: Legal Environment of Business	3
MGMT 241	Global Business	3
MGMT 251	Operations and Project Management Fundamentals	3
MGMT 411	Business Policy (Pre-Requisite FINC 371)	3
MKTG 231	Principles of Marketing	3
Major Requirements:		**24**
MGMT 230	Business Communications Essentials	3
MGMT 311	Organization, Theory & Practice (Pre-Requisite MGMT 211)	3
MGMT 312	Human Resource Management (Pre-Requisite MGMT 211)	3
MGMT 321	Ethics and Corporate Social Responsibility	3
MGMT 386	Principles of Business Negotiation	3
MGMT 410	Seminar: Applied Leadership	3
MGMT 413	Business Information Systems (Pre-Requisite MGMT 211, MGMT 225)	3
MGMT 414	Management Analytics	3
Required General Education Courses:		
MATH 164	Pre-Calculus for Business Students	4
ECON 207	Principles of Economics:Macro	3
ECON 208	Principles of Economics:Micro	3
Total Credits:		**57**

Freshman

Semester 1		**Credits**
MATH 164	Pre-Calculus for Business Students	4
	Credits	**4**
Semester 2		
MGMT 211	Principles of Management	3
	Credits	**3**

Sophomore

Semester 1		
ECON 207	Principles of Economics:Macro (General Education Course for Business Students Only)	3
MGMT 241	Global Business	3
MGMT 225	Business Enterprise Applications	3
ACCT 251	Financial Accounting	3
	Credits	**12**
Semester 2		
ECON 208	Principles of Economics:Micro (General Education Course for Business Students Only)	3
ECON 203	Business Statistics	3
ACCT 252	Management Accounting	3
	Credits	**9**

Junior

Semester 1		
MGMT 251	Operations and Project Management Fundamentals	3
MGMT 235	Business Law I: Legal Environment of Business	3
FINC 371	Managerial Finance	3
	Credits	**9**
Semester 2		
MKTG 231	Principles of Marketing	3
MGMT 311	Organization, Theory & Practice	3
MGMT 230	Business Communications Essentials	3
	Credits	**9**

Senior

Semester 1		
MGMT 312	Human Resource Management	3
MGMT 321	Ethics and Corporate Social Responsibility	3
MGMT 386	Principles of Business Negotiation	3
MGMT 413	Business Information Systems	3
	Credits	**12**
Semester 2		
MGMT 411	Business Policy	3
MGMT 414	Management Analytics	3
MGMT 410	Seminar: Applied Leadership	3
	Credits	**9**
	Total Credits	**67**

Student Learning Outcomes

Upon completion of the Bachelor of Science in Management, students will be able to:

1. Identify ethical issues and understand the implications of social responsibility for sustainable business practices.
2. Evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
3. Utilize technology, apply quantitative methods and interpret data to solve business problems.
4. Integrate knowledge of core business concepts and collaborate productively as part of a team.
5. Work effectively in a diverse environment and understand how global and cultural issues effect the organization and its stakeholders.
6. Compose clear and concise forms of written communication to effectively convey ideas and information associated with business topics.
7. Communicate business concepts effectively through oral presentation.
8. Students will utilize management functions including planning, organization, staffing, directing and controlling for effective business operations.

Sports Management, B.S.

The Bachelor of Science in Sports Management program offers students an in-depth understanding of the multifaceted sports industry, blending business acumen with a passion for sports. This degree prepares students for diverse careers in sports management, including roles in professional and amateur sports organizations, sports marketing, event management, and athletic administration.

The curriculum covers essential areas such as sports marketing, facility management, event planning, sports law, and ethics. Students gain practical experience through internships, industry projects, and collaborations with sports professionals, providing them with real-world insights and networking opportunities.

Emphasizing both leadership and teamwork, the program fosters the development of critical thinking, communication, and problem-solving skills. Graduates are equipped to manage, plan and execute sporting events, oversee facilities, and develop marketing strategies. With a strong foundation in sports management principles and hands-on experience, students are prepared to make impactful contributions in a dynamic and exciting industry.

Minimum Grade Requirements

- Students must earn a C or better in all Business courses.

Total Credit Hours: 75

Code	Title	Credits
Common Core Requirements (33 Credits)		
ACCT 251	Financial Accounting	3
ACCT 252	Management Accounting	3
ECON 203	Business Statistics	3
FINC 371	Managerial Finance	3
MGMT 211	Principles of Management	3
MGMT 225	Business Enterprise Applications	3
MKTG 231	Principles of Marketing	3
MGMT 235	Business Law I: Legal Environment of Business	3
MGMT 241	Global Business	3
MGMT 251	Operations and Project Management Fundamentals	3
MGMT 411	Business Policy	3
Specialization Requirements (30 Credits)		
MGMT 302	Undergraduate Business Field Study I	3
MGMT 313	Event and Meeting Planning Management	3
MGMT 314	Facilities Management	3
MGMT 320	Sponsorship and Fundraising	3
MGMT 322	Sports and Entertainment Law for Business Students	3
MGMT 337	Principles of Sport Management	3
MGMT 403	Business Field Study II	3
MGMT 414	Management Analytics	3
MGMT 490	Sports Management Capstone: Contemporary Issues in Sports Management	3
Electives (12 Credits)		
Student may take electives as approved by the Department Advisor in general business, or across disciplines including but not limited to courses from Economics, Finance, Accounting, Marketing, Computer Science, Political Science, Geoscience, or group classes for a Minor or Double Major.		
General Education (10 Credits)		
MATH 164 or ECON 221	Pre-Calculus for Business Students Analytics For Business and Economics	4
ECON 207	Principles of Economics:Macro	3
ECON 208	Principles of Economics:Micro	3

Freshman		
Semester 1		**Credits**
MATH 164 or ECON 221	Pre-Calculus for Business Students or Analytics For Business and Economics	3-4
	Credits	**3-4**
Semester 2		
MGMT 211	Principles of Management	3
	Credits	**3**
Sophomore		
Semester 1		
MGMT 241	Global Business	3
ECON 207	Principles of Economics:Macro	3
MGMT 225	Business Enterprise Applications	3
ACCT 251	Financial Accounting	3
	Credits	**12**
Semester 2		
ECON 208	Principles of Economics:Micro	3
ECON 203	Business Statistics	3
ACCT 252	Management Accounting	3
	Credits	**9**

Junior		
Semester 1		
MGMT 251	Operations and Project Management Fundamentals	3
MGMT 235	Business Law I: Legal Environment of Business	3
MGMT 337	Principles of Sport Management	3
MGMT 322	Sports and Entertainment Law for Business Students	3
	Credits	**12**
Semester 2		
MKTG 231	Principles of Marketing	3
FINC 371	Managerial Finance	3
MGMT 314	Facilities Management	3
MGMT 320	Sponsorship and Fundraising	3
	Credits	**12**
Senior		
Semester 1		
MGMT 313	Event and Meeting Planning Management	3
MGMT 302	Undergraduate Business Field Study I	3
MGMT 411	Business Policy	3
MGMT 414	Management Analytics	3
MGMT 230	Business Communications Essentials	3
	Credits	**15**
Semester 2		
MGMT 403	Business Field Study II	3
MGMT 490	Sports Management Capstone: Contemporary Issues in Sports Management	3
Elective/Minor Course		3
Elective/Minor Course		3
Elective/Minor Course		3
Elective/Minor Course		3
	Credits	**18**
	Total Credits	**84-85**

Electives may be taken to obtain a co-degree, a minor, or explore areas of interest. Students are urged to consult their academic advisors regarding electives.

Student Learning Outcomes

Upon completion of the Bachelor of Science in Sports Management program, students will be able to:

1. Identify ethical issues and understand the implications of social responsibility for sustainable business practices.
2. Evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
3. Utilize technology, apply quantitative methods and interpret data to solve business problems.
4. Integrate knowledge of core business concepts and collaborate productively as part of a team.
5. Work effectively in a diverse environment and understand how global and cultural issues effect the organization and its stakeholders.
6. Compose clear and concise forms of written communication to effectively convey ideas and information associated with business topics.
7. Communicate business concepts effectively through oral presentation.
8. Demonstrate the ability to apply current knowledge and practices to generate revenue within the sport industry.
9. Cultivate knowledge and skills in key career and professional development competencies for the sports management field.
10. Apply evidence-based management practices to foster safe and productive sports organization.

Supply Chain, Logistics and Maritime Port Management, B.S.

The Bachelor of Science in Supply Chain, Logistics, and Maritime Port Management program provides students with a thorough understanding of the intricacies of supply chain management and the vital role logistics and port operations play in the global economy. This degree prepares students for dynamic careers in logistics, transportation, supply chain management, and maritime industries.

The curriculum covers key topics such as supply chain strategy, logistics planning, transportation management, port operations, and international trade. Students learn to optimize supply chain processes, manage logistics networks, and oversee maritime port functions. Practical experience through internships, industry projects, and collaborations with logistics and maritime professionals is integral to the program, ensuring students gain real-world insights and skills.

Graduates of the Supply Chain, Logistics, and Maritime Port Management program possess strong analytical, problem-solving, and communication skills. They are equipped to streamline operations, enhance efficiency, and manage complex logistics systems. With a robust foundation in supply chain and logistics principles, coupled with hands-on experience, graduates are well-prepared to take on leadership roles and drive success in a rapidly evolving industry that is essential to global commerce.

Demand in the Supply Chain, Logistics, and Maritime Port Management fields has increased dramatically due to the fact that it is a $6 billion dollar industry in New Jersey alone. Global business today encompasses domestic and global companies with busy ports in New York and New Jersey to handle cargos worldwide from North America, Europe, South America, Africa, and Asia. Globalization revolutionizes the way companies conduct their business. The world has become one big supply chain and this program seeks to help meet the keen demand for professionals in these fields.

Minimum Grade Requirements

- Students must earn a C or better in all Business courses.

Total Credit Hours: 60

Code	Title	Credits
Common Core Requirements (33 credits)		
MGMT 225	Business Enterprise Applications	3
MGMT 251	Operations and Project Management Fundamentals	3
ECON 203	Business Statistics	3
MGMT 211	Principles of Management	3

MKTG 231	Principles of Marketing	3
MGMT 241	Global Business	3
ACCT 251	Financial Accounting	3
ACCT 252	Management Accounting	3
MGMT 235	Business Law I: Legal Environment of Business	3
FINC 371	Managerial Finance	3
MGMT 411	Business Policy	3
Major Requirements (27 credits)		
MGMT 230	Business Communications Essentials	3
MGMT 300	Introduction to Supply Chain, Logistics and Port Management	3
MGMT 305	Procurement and Supplier Management	3
MGMT 306	Logistics and Transportation Management	3
MGMT 310	Port and Intermodal Transportation Management	3
MGMT 350	Decision Intelligence in Supply Chains	3
MGMT 412	Global Supply - Chain Management	3
MGMT 413	Business Information Systems	3
MGMT 494	Seminar: Supply Chain, Logistics, and Maritime Port Management	3
General Education Courses Required		
MATH 164 or ECON 221	Pre-Calculus for Business Students [1] Analytics For Business and Economics	4
ECON 207	Principles of Economics:Macro [1]	3
ECON 208	Principles of Economics:Micro [1]	3

[1] Taken as pre-major required course.

Freshman		
Semester 1		**Credits**
MATH 164 or ECON 221	Pre-Calculus for Business Students or Analytics For Business and Economics	3-4
	Credits	**3-4**
Semester 2		
MGMT 211	Principles of Management	3
	Credits	**3**
Sophomore		
Semester 1		
MGMT 241	Global Business	3
ECON 207	Principles of Economics:Macro (School of Business requirement. General Education Course)	3
MGMT 225	Business Enterprise Applications	3
ACCT 251	Financial Accounting	3
	Credits	**12**
Semester 2		
ECON 208	Principles of Economics:Micro (School of Business requirement. General Education Course)	3
ECON 203	Business Statistics	3
ACCT 252	Management Accounting	3
	Credits	**9**
Junior		
Semester 1		
MGMT 251	Operations and Project Management Fundamentals	3
MGMT 235	Business Law I: Legal Environment of Business	3
MGMT 300	Introduction to Supply Chain, Logistics and Port Management	3
MGMT 230	Business Communications Essentials	3
	Credits	**12**
Semester 2		
MKTG 231	Principles of Marketing	3
FINC 371	Managerial Finance	3
MGMT 413	Business Information Systems	3
	Credits	**9**
Senior		
Semester 1		
MGMT 305	Procurement and Supplier Management	3
MGMT 306	Logistics and Transportation Management	3
MGMT 310	Port and Intermodal Transportation Management	3
MGMT 411	Business Policy	3
	Credits	**12**
Semester 2		
MGMT 350	Decision Intelligence in Supply Chains	3
MGMT 412	Global Supply - Chain Management	3
MGMT 494	Seminar: Supply Chain, Logistics, and Maritime Port Management	3
	Credits	**9**
	Total Credits	**69-70**

Student Learning Outcomes

Upon completion of the Bachelor of Science in Supply Chain, Logistics, and Maritime Port Management, students will be able to:

1. Identify ethical issues and the implications of social responsibility for sustainable business practices.
2. Evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
3. Utilize technology, apply quantitative methods and interpret data to solve business problems.
4. Integrate knowledge of core business concepts and collaborate productively as part of a team.
5. Work effectively in a diverse environment and identify how global and cultural issues affect the organization and its stakeholders.
6. Compose clear and concise forms of written communication to effectively convey ideas and information associated with business topics.
7. Communicate business concepts effectively through oral presentation.
8. Analyze contemporary supply chain operations and strategies in the supply chain, logistics, and maritime port management.

Marketing

Marketing Department (https://www.njcu.edu/academics/schools-colleges/school-business/departments/marketing)
200 Hudson Street, Harborside 2
(201) 200-3353

The Marketing Department develops students as ethical, creative, data-focused and strategic marketers. Knowing how to expertly identify, engage, build and maintain lasting relationships with customers is essential in today's mobile, 24/7, internationalized marketplace. Quite simply, the strongest brands are those that involve and respond to their markets across various platforms.

The emergence of a variety of technology driven channels to engage and communicate with consumers has created significant career opportunities for marketers. Social media platforms, search engine optimization, and data analytics expand the variety of interesting marketing careers.

NJCU's B.S. degree program in Marketing provides students with a thorough grounding in the fundamentals of Marketing, including Marketing Research, Integrated Marketing Communications, Consumer Behavior, Marketing Management, and E-Commerce. Marketing courses complement university classes students take in the natural and social sciences, arts and media, humanities, and quantitative and computer literacy. The result: a graduate who is both well-rounded educationally and job ready.

Zui Chih Lee (zlee@njcu.edu)

Associate Professor of Marketing
Tamkang University, Taipei, Taiwan, B.B.A.; National Dong Hwa University, Hualien, Taiwan, M.B.A.; The University of North Carolina at Greensboro. M.B.A., Ph.D.

Susan D. Williams (swilliams2@njcu.edu)
Professor of Marketing
Pratt Institute, B.F.A.; Rutgers University, M.B.A.

- Marketing, B.S. (p. 267)
- Digital Marketing, Minor (https://catalog.njcu.edu/undergraduate/business/marketing/digital-minor/#overviewtext)

Marketing (MKTG)

MKTG 1XX Marketing Transfer Credit (0 Credits)

MKTG 2XX Marketing Transfer Credit (0 Credits)

MKTG 220 Personal Branding for Professional Life (3 Credits)
Personal branding is essential to career success. It is imperative to develop an authentic personal brand and to communicate that brand consistently and across various platforms. This course helps students understand the value of personal reputation, and how to manage and market one's personal brand for professional development and success.

MKTG 231 Principles of Marketing (3 Credits)
In this foundation course, students are introduced to basic theory and techniques of performance related to the marketing function. Topics include consumer behavior, marketing research and analytics, and the development of branding and competitive marketing strategies.

MKTG 331 Consumer Behavior (3 Credits)
Consumer behavior from both theoretical and practical standpoints is examined in this course. Topics include: consumerism, the role of the behavioral sciences and legal/social frameworks at the global, national and local levels.
Pre-Requisite(s): MKTG 231 Principles of Marketing

MKTG 332 Integrated Marketing Communication (3 Credits)
The field of promotional marketing communications is introduced in this course. Components include sales promotion, advertising, corporate communication, publicity and public relations, personal selling and direct marketing. Developing the ability to learn how to effectively plan, implement and evaluate integrated promotional messages is the primary learning objective.
Pre-Requisite(s): MKTG 231 Prin of Marketing

MKTG 333 Digital Marketing (3 Credits)
This course will introduce the digital concepts, marketing techniques,strategies applications involved in direct marketing channel, including e-mail marketing, display marketing, social media, direct response advertising, search engine marketing, and mobile marketing.
Prerequisite: MKTG 231 Principles of Marketing

MKTG 340 Visual Communications for Integrated Marketing Communications (3 Credits)
In this class, students learn to present marketing campaigns, reports, case studies, and decks that feature charts, graphs, logos, pictures, and video. Students learn the process of creating presentations that marry content with visuals in a cohesive and fluid way. Programs include PPT, Excel, Keynote, Flash, Adobe Illustrator, Adobe Photoshop.
Pre-Requisite(s): MKTG 332 Integrated Marketing Communication

MKTG 350 Social Media Marketing (3 Credits)
Social media marketing (SMM) examines how online collaborative media is used to develop marketing strategy. All types of SMM are explored and explained within the context of the SMM Planning Cycle. The history, evolution, trends and phenomenal growth that social media continues to play in marketing are explored.
Pre-Requisite(s): MKTG 231 Principles of Marketing

MKTG 355 Public Relations Theory and Global Development (3 Credits)
This course provides students with a basic understanding of public relations theory and practice, including the history of the profession; the ethics required of public relations professionals; public relations in social, legal, organizational, and global contexts; essential skills and "must reads;" and the many employment opportunities available within the field.
Pre-Requisite(s): MKTG 231 Principles of Marketing

MKTG 360 Writing for Marketing and Public Relations (3 Credits)
This course is designed to enhance students' promotional/persuasive writing skills. It provides intensive writing practice and results in a portfolio of promotional pieces. Through this course, students will reach a professional level of marketing/public relations writing, exploring and experience the style, format, content, and deadline requirements of promotional writing - for both traditional and social engagement.

MKTG 361 Customer Relationship Marketing (3 Credits)
This course helps students to comprehend the various behaviors that underlie the development of successful CRM systems. The class provides strategic and analytic understanding of customer relationship marketing that aid in customer acquisition, retention and winback, and link these through the central concept of customer lifetime value.
Pre-Requisite(s): MKTG 231 Principles of Marketing

MKTG 363 Global Marketing (3 Credits)
The complexities of product design, distributing, foreign exchange and promotional activities in the foreign market place are thoroughly discussed. Emphasis is placed on the cultures of key representative countries and the impact on the American marketing system conducting international business.
Pre-Requisite(s): MKTG 231 Principles of Marketing

MKTG 422 E-commerce (3 Credits)
Provides an overview of all aspects of commerce and opportunity on the Internet. Topics include marketing products on the Internet, virtual organizations, electronic payment systems, privacy and security concerns, intellectual property, customs and excise issues, emerging issues in telecommunications, and Internet issues where government regulation has been contemplated.

MKTG 432 Marketing Research (3 Credits)
This course covers the techniques used in marketing research and their specific application to the various functions of marketing. The student gains knowledge and experience in the use of quantitative techniques through the solution of a marketing problem.
Pre-Requisite(s): ECON 203 & MKTG 331

MKTG 433 Marketing Management (3 Credits)
An investigation of the managerial aspects of marketing is made. The course shows students how to apply analytical concepts and tools of marketing. Students learn how to conduct a marketing study and participates in the development of a formal marketing plan.
Pre-requisite(s): MKTG 231 & MKTG 331

MKTG 434 Marketing Analytics (3 Credits)
The course explores marketing data analysis techniques and their theoretical foundations to help students acquire analytic skills that can be applied to real world marketing problems.

MKTG 493 Marketing Capstone (3 Credits)
This capstone course is designed to allow students to craft a semester long thesis/project based on individual interests. Students work with faculty on their own original project (a selected marketing topic) culminating in a formal oral presentation. Pedagogy will allow for the acquisition of new knowledge and the sharing new discoveries.
Pre-requisite: MKTG 231, MKTG 331, MKTG 332, MKTG 432 & MKTG 433 (Senior Status)

MKTG 515 Contemporary Marketing Perspectives: Trends, Strategies and Practice (3 Credits)
Course is conducted as an interactive seminar which reviews trends and best practices in contemporary marketing. Concepts such as the life time value of a customer and one-to one marketing are studied, along with the impact that globalization and the internet have on current marketing strategies and practice.

MKTG 1231 Principles of Marketing (Honors) (3 Credits)
Students are introduced to basic theory and techniques of performance related to the marketing function in this course; both wholesale and retail marketing patterns are studied.

*Business majors must earn a C or better in all School of Business courses

**Marketing Capstone (MKTG 493) class must be taken in the student's LAST semester after major and concentration requirements are complete)

Marketing, B.S.

Completion of this major prepares students for careers in marketing and related fields such as public relations, integrated marketing communication, marketing research, marketing data analytics, digital marketing, advertising, and more. Continued study may include a master's and/or doctoral degree in business, marketing analytics, strategic communication, public relations, public administration, or law.

Once matriculated at NJCU, transfer students must complete at least 30 credits at NJCU to satisfy the university's residency requirement. Students must also maintain a GPA of 2.5 or better in courses taken in the School of Business. Students must earn a grade of C or higher in each School of Business course (ACCT, BUSI, ECON, FINC, MGMT, MKTG) used in fulfillment of a graduation requirement.

Minimum Grade Requirements

- *Students must earn a C or better in all Business courses.

Total Credit Hours: 57

Code	Title	Credits
Core Requirements (33 credits)		
MGMT 225	Business Enterprise Applications	3
MKTG 231	Principles of Marketing	3
MGMT 211	Principles of Management	3
MGMT 251	Operations and Project Management Fundamentals	3
ECON 203	Business Statistics	3
MGMT 241	Global Business	3
ACCT 251	Financial Accounting	3
ACCT 252	Management Accounting	3
MGMT 235	Business Law I: Legal Environment of Business	3
FINC 371	Managerial Finance	3
MGMT 411	Business Policy	3
Major Requirements (15 credits)		
MKTG 331	Consumer Behavior	3
MKTG 332	Integrated Marketing Communication	3
MKTG 432	Marketing Research	3
MKTG 433	Marketing Management	3
MKTG 493	Marketing Capstone	3
Select and complete three (3) of the following Marketing elective courses (9 credits) to align with your professional interest(s)		
MKTG 333	Digital Marketing	3
MKTG 340	Visual Communications for Integrated Marketing Communications	3
MKTG 350	Social Media Marketing	3
MKTG 355	Public Relations Theory and Global Development	3
MKTG 360	Writing for Marketing and Public Relations	3
MKTG 361	Customer Relationship Marketing	3
MKTG 363	Global Marketing	3
MKTG 422	E-commerce	3
MKTG 434	Marketing Analytics	3

General Education Courses Required (10 credits)		
MATH 164	Pre-Calculus for Business Students	4
ECON 207	Principles of Economics:Macro	3
ECON 208	Principles of Economics:Micro	3
Freshman		
Semester 1		**Credits**
MATH 164	Pre-Calculus for Business Students	4
	Credits	**4**
Semester 2		
MGMT 211	Principles of Management	3
	Credits	**3**
Sophomore		
Semester 1		
MGMT 225	Business Enterprise Applications	3
MKTG 231	Principles of Marketing	3
ECON 207	Principles of Economics:Macro (General Education Course for Business Students Only)	3
ACCT 251	Financial Accounting	3
	Credits	**12**
Semester 2		
MKTG 331	Consumer Behavior	3
ECON 208	Principles of Economics:Micro (General Education Course for Business Students Only)	3
ACCT 252	Management Accounting	3
	Credits	**9**
Junior		
Semester 1		
ECON 203	Business Statistics	3
MKTG 332	Integrated Marketing Communication	3
MGMT 241	Global Business	3
MGMT 235	Business Law I: Legal Environment of Business	3
	Credits	**12**
Semester 2		
MGMT 251	Operations and Project Management Fundamentals	3
MKTG 432	Marketing Research	3
FINC 371	Managerial Finance	3
MKTG Concentration Course		3
	Credits	**12**
Senior		
Semester 1		
MKTG 433	Marketing Management	3
MGMT 411	Business Policy	3
MKTG Concentration Course		3
	Credits	**9**
Semester 2		
MKTG 493	Marketing Capstone	3
MKTG Concentration Course		3
	Credits	**6**
	Total Credits	**67**

Student Learning Outcomes

Upon completion of the Bachelor of Science in Marketing, students will be able to:

1. Identify ethical issues and understand the implications of social responsibility for sustainable business practices.
2. Evaluate information and apply critical thinking skills to identify solutions and inform business decisions.
3. Utilize technology, apply quantitative methods and interpret data to solve business problems.
4. Integrate knowledge of core business concepts and collaborate productively as part of a team.
5. Work effectively in a diverse environment and understand how global and cultural issues effect the organization and its stakeholders.
6. Compose clear and concise forms of written communication to effectively convey ideas and information associated with business topics.
7. Communicate business concepts effectively through oral presentation.
8. Utilize contemporary marketing research, strategies, and tactics to develop a marketing plan for a real-world client.
9. Construct an academic study linked to a contemporary marketing topic, issue, or trend.
10. Marketing Plan: Students will utilize contemporary Marketing research, strategies and tactics to develop a Marketing plan for a real-world client.
11. Marketing Study: Students will be able to construct an academic study linked to a contemporary marketing topic, issue, or trend.

Adult and Continuing Education

The Office of Adult and Continuing Education is housed in Hepburn Hall, Suite 108, on NJCU's main campus in Jersey City.

Telephone: 201-200-3089

Email: conted@njcu.edu

Wanda L Rutledge (wrutledge@njcu.edu)**, Ph.D., Interim Dean**

Rhoda (Tayo) Arogula (rarogula@njcu.edu)**, Administrator and Workforce Coordinator**

Larry Ladutke (lladutke@njcu.edu)**, Ph.D., Education and Workforce Services Specialist**

Jeanine Purfield (jjoyce@njcu.edu)**, Proyecto Science Administrative Secretary**

Mission

The Office of Adult and Continuing Education is reimagining the way we learn, what we learn and how we learn. We seek to promote lifelong learning by providing all learners – of all ages in all contexts – the knowledge and skills they need to realize their full potential. Education is not limited to a single period of one's lifetime. We advocate for continuous discovery and support the life cycle of learners with programs

for youth seeking new topics to explore, enrichment activities, and new opportunities for skills development; for adults seeking workforce and professional development and short-term certifications; and for mature citizens, looking for intellectual stimulation and the comfort of a shared community experience. A growing number of courses are offered in Spanish.

NJCU's Adult and Continuing Education space is home to non-credit foundational literacy classes, professional certifications, pathways, and bridges from applied work experience to college credit. We offer a wide range of online courses leading to certifications. As a workforce development center, we work with the New Jersey Department of Labor through the One Stop Career Centers of Hudson County, Essex County, Bergen County, Union County and Middlesex County, providing educational training leading to certifications and employment opportunities for some of the greatest at-risk members of the community. They include individuals who are unemployed and seeking a return to the labor market, underemployed, or job changers from populations of youth (16-24), individuals with disabilities, mature workers (55+), displaced homemakers, veterans, and second chance citizens.

Adult and Continuing Education at NJCU provides customized training programs in business communication, leadership, and many other courses designed to meet the

unique skill development needs of employers. We recognize that each organization is unique with specific training requirements. We offer free consultation and work closely with community and corporate representatives to create a customized training program that meets the unique needs of our community partners. As such, the Office also promotes the University's focus on awarding credit for prior learning through various means of military, industry or corporate training courses, work experiences, international education, and competency testing to build a growing number of pathways from non-traditional learning experiences to college degrees.

For more information visit www.njcu.edu/continuing-education (https://www.njcu.edu/academics/adult-and-continuing-education)

Affirmative Action Statement

New Jersey City University is committed to ensuring that all its educational programs (including recruitment, admission, and retention of students), personnel actions (including application, hiring, promotion, compensation, benefits, transfers, layoffs, training, and tuition assistance), and its social and recreational programs are administered according to the principle of affirmative action and in compliance with relevant federal and state civil rights legislation.

The University community consists of a diverse population of men and women who represent various racial, ethnic, and economic backgrounds. The University continues to strive to maintain and extend that diversity not only to comply with the law but also to provide an educationally desirable environment.

The University has adopted the policies and reporting procedures on non-discrimination and affirmative action to assist the University in fulfilling its educational mission, meet its ethical and legal obligations, and foster a productive environment for learning, teaching, scholarship, work, and community service.

Questions or complaints from students with regard to these policies should be directed to the Office of the Dean of Students, 201-200-3525. Questions or complaints from other members of the University community should be directed to the Office of Equal Employment Opportunity/Affirmative Action (EEO/AA), Hepburn 306, 201-200-3075.

Equal Opportunity/Non-discrimination Statement

New Jersey City University embraces the diversity of urban experiences and seeks to attract talented faculty, staff, and students from a variety of backgrounds. In compliance with relevant federal and state civil-rights legislation, New Jersey City University does not discriminate on the basis of race, creed, religion, color, national origin, nationality, ancestry, sex/gender (including pregnancy), age (except where gender or age is a bona fide occupational qualification), affectional or sexual orientation, marital status, civil union status, familial status, domestic partnership status, gender identity or expression, atypical hereditary cellular or blood trait, genetic information, liability for service in the Armed Forces of the United States, or disability in the operation of its educational programs and activities (admission, scholarships and loan awards, access to programs and course offerings, competitive and intramural athletics, counseling, student and other employment, use of facilities, and campus sponsored extracurricular activities).

Notice of Non-discrimination and Title IX

New Jersey City University (NJCU) is a higher education place of work, teaching, and learning for the benefit of students and the overall campus community. NJCU is committed to providing a campus environment free from discrimination based on sex. Compliance with Title IX of the Education Amendments of 1972, 20 U.S.C. Section 1681 et seq. ("Title IX") is an important part of this commitment.

Title IX is a federal civil rights law and provides that:

"No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance."

Under Title IX, discrimination on the basis of sex includes sexual harassment or sexual violence, such as rape, sexual assault, sexual battery, or sexual coercion.

For the most current information about Title IX, students are directed to the University Title IX website at https://www.njcu.edu/about/njcu-policies-and-standards/notice-non-discrimination-and-title-ix.

VA Pending Payment Compliance Statement

In accordance with federal law, New Jersey City University will not penalize recipients of the Post 9/11 GI Bill® or Veteran Readiness & Employment, while payment to the institution is pending from the Department of Veterans Affairs. The university will not prevent the students' enrollment, assess a late penalty fee against, require student to secure alternative or additional funding, or deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution. To qualify for this provision, students must provide NJCU with A Certificate of Eligibility (or equivalent) or VA Form 1905 by the first

day of class, along with a request for certification of benefits, and other required information essential to the certification process.

If you have any questions regarding this provision, please contact the Office of Military & Veterans Services at 201-200-3199 or veterans@njcu.edu

INDEX

A

Absence and Attendance Policy ... 13
Academic Affairs ... 4
Academic Calendar ... 4
Academic Fresh Start ... 13
Academic Grievance/Appeal Procedure ... 14
Academic Honors ... 14
Academic Integrity Policy ... 15
Academic Requirements, Policies, and Procedures ... 12
Access to Student Records and FERPA ... 16
Accounting ... 237
Accounting, B.S. ... 240
Accounting—Bridge Program to the M.S. in Accounting, B.S. ... 242
Administrative Withdrawal ... 17
Adult and Continuing Education ... 268
Advanced standing for transfer credit ... 17
Affirmative Action Statement ... 269
African and African-American Studies, Minor ... 38
Art ... 42
Art—B.A. Art Therapy ... 50
Art—B.A. Fine Arts and Crafts ... 52
Art—B.A. Graphic Arts and Design ... 53
Art—B.F.A., Concentration in Ceramics ... 55
Art—B.F.A., Concentration in Drawing/Painting ... 56
Art—B.F.A., Concentration in Graphic Design ... 58
Art—B.F.A., Concentration in Illustration ... 59
Art—B.F.A., Concentration in Photography ... 61
Art—B.F.A., Concentration in Printmaking ... 62
Art—New Jersey Art Teacher Certification Program (P–12) ... 64
Associate in Applied Science Degree ... 12
Associate in Arts and Associate in Science Degrees ... 12

B

Bachelor Of Arts In Elementary Education (K-6) with Literacy Focus ... 202
Biochemistry, B.S. ... 85
Biology ... 66
Biology - Medical Imaging Science—Cardiovascular Sonography and Diagnostic Medical Sonography Specialization, Joint-Degree Program, B.S. ... 78
Biology - Medical Laboratory Science, Joint-Degree Programs, B.S. ... 80
Biology, B.A. ... 71
Biology, B.S-Environmental and Organismal Biology ... 75
Biology, B.S-Molecular and Cellular Biology ... 74
Biology, B.S. ... 72
Biology, B.S./ Doctor of Podiatric Medicine Dual Degree with New York College of Podiatric Medicine (NYCPM) ... 77
Biology, Minor ... 81
Business Analytics and Data Science, B.S. ... 249
Business Analytics and Data Science, Minor ... 251
Business Information Systems, B.S. ... 251
Business, Minor ... 260

C

Cancellation of Course and Staffing ... 17
Certificate in Behavior Management and Introductory Applied Behavior Analysis ... 206
Certification of Driver Education ... 232
Change of Enrollment Status ... 18
Change of Major ... 18
Chemistry and Biochemistry ... 82
Chemistry, B.A. ... 86
Chemistry, B.S. ... 88
Chemistry, Minor ... 89
Class Status ... 18
Co-Major ... 18
College of Professional Studies ... 206
Computer and Information Systems, Minor ... 93
Computer Science ... 89
Computer Science, B.S. ... 94
Computer Science, Minor ... 95
Concurrent Study in Two Degree Programs ... 18
Course Residency Requirement ... 18
Course Substitution ... 18
Course Waivers ... 18
Courses at Other Institutions ... 18
Credit Hour Policy ... 19
Credit Load and Overload Policy ... 19
Criminal Justice ... 207
Criminal Justice, B.S. ... 210
Criminal Justice, Minor ... 211
Cumulative Grade Point Average ... 20
Cybersecurity, B.S. ... 218

D

Dean's List ... 20
Deborah Cannon Partridge Wolfe College of Education ... 191
Declaration of Major Program of Study ... 20

Degree Requirements 21
Distance Education Complaint Procedures 21
Dropping or Adding a Class 21

E

Electives and Minor Programs 21
English 95
English—Creative Writing, B.A. 103
English—Creative Writing, Minor 104
English—Literature, B.A. 105
English—Literature, Minor 107
English—Teacher Certification Elementary Education (K-6), B.A. 108
English—Teacher Certification Secondary Education (K-12), B.A. 109
Equal Opportunity/Non-discrimination Statement 269
Exercise Science, B.S. 234

F

Finance 243
Finance, B.S. 252
Finance, Minor 254
Financial Aid-Satisfactory Academic Progress Policy 21
Fire Science 212
Fire Science, B.S. 213
Fire Science, Minor 214
Fitness, Exercise and Sports, Minor 236
Forensic Studies, Minor 220

G

Gender, Africana, and Latin American Studies 33
General Education Program 4
Global Business, B.S. 260
Global Studies, Minor 166
Grade Recomputation 22
Grading System 23
Graduate Courses Open to Undergraduate Seniors 24
Graduation and Certification Applications 24
Graduation with Honors 25
Guidelines and Procedures for Requiring Face-to-Face Final Examinations for Online Courses 25

H

Health Sciences—Public Health Education, B.S. 233
History, B.A. 117
History, Minor 118
History, Philosophy, and Religion 110
History—Social Studies (Teacher Certification), B.A. 119
Honors Program 9

I

Independent Study 25
Integrative and Applied Learning 8
Intellectual and Practical Skills 6

K

Knowledge of Human Cultures and the Natural World 7

L

Latin American, Caribbean and Latino Studies, Minor 38

M

Major Programs 12
Major Requirements 25
Management 255
Management, B.S. 261
Marketing 266
Marketing, B.S. 267
Mathematics 122
Mathematics, B.A. 126
Mathematics, Minor 127
Mathematics—Teacher Certification, B.A. 128
Media Arts 129
Media Arts, B.A. 133
Media Arts, Minor 135
Mid-Semester Progress Report 25
Military Science, Minor 220
Minimum Grade Point Average in Major 25
Minor Programs 12
Multicultural Leadership 192
Music, B.A. 151
Music, Dance, and Theatre 135
Music, Minor 152
Music—Music Business, B.A. 153
Music—Musical Theatre, B.A. 154

N

National Security Studies, B.S. 220
National Security Studies, Minor 222
Non-Classified Study 26
Notice of Non-discrimination and Title IX 269
Nursing 222
Nursing RN to BSN Program 226
Nursing—Accelerated Program (Second Degree), B.S.N. 224

P

Pass/Fail Options 26
Performance—Classical—Instrumental (other than piano), B.M. 156
Performance—Classical—Instrumental (piano), B.M 158
Performance—Classical—Voice, B.M. 160
Performance—Jazz Studies, B.M. 161
Philosophy and Religion, Minor 122
Philosophy, B.A. 120
Political Science 163
Political Science, B.A. 167
Political Science, Minor 168
Population Health and Exercise Science 227
Pre-Law, Minor 169
Pre-Law Studies 168
Prior Learning Credits 26
Professional Financial Planning, Minor 255
Professional Security Studies 214
Psychology 169
Psychology, B.A. 172
Psychology, Minor 173
Public Health, Minor 234

R

Reasonable Accommodation Grievance Procedure for Students with Disabilities 29
Repeated Courses 29

S

School of Business 236
Second Baccalaureate Degree 29
Second Major After Graduation 29
Secondary Education with K-12 Certification (with major in Arts and Sciences) 200
Sexuality and Queer Studies, Minor 39
Social Work, B.S.W. 179
Sociology, Anthropology, and Social Work 174
Sociology, B.A. 182
Sociology, Minor 183
Spanish, B.A. 188
Spanish, Minor 190
Spanish—Teacher Certification, B.A. 190
Special Education 204
Sports Management, B.S. 263
Summer Study 29
Supply Chain, Logistics and Maritime Port Management, B.S. 264

T

Teaching, Learning, and Literacy 193
Time Limits on Credits and Degree Completion 29
Total Degree Credits 12
Transcripts 30

U

Undergraduate 4
Undergraduate Academic Standing 30
Undergraduate Degree Requirements 11
Undergraduate Second Degree Policy 31

V

VA Pending Payment Compliance Statement 269
Visiting Students 31

W

William J. Maxwell College of Arts and Sciences 32
Withdrawing from a Class 32
Women's and Gender Studies, B.A. 40
Women's and Gender Studies, Minor 41
World Languages and Cultures 184