

KEAN UNIVERSITY
COLLEGE OF NATURAL, APPLIED & HEALTH SCIENCES
(70401) BS in Clinical Laboratory Science/Joint Program with UMDNJ Medical Laboratory Science 136 SH
EFFECTIVE DATE: Fall 2012

START TERM: _____

NAME		TRANSFER INSTITUTIONS (X) Credits:	
STUDENT ID#		IN PROGRESS:	
GENERAL EDUCATION: Semester	35 S.H.	UMDNJ MEDICAL LAB SCIENCE COURSES	45 S.H.
Foundation Requirements¹ 13 S.H.		MLSC2119 Basic Laboratory Operations	2
G.E. 1000 Transition to Kean ²	1	MLSC2129 Hematology I	3
**ENG 1030 Composition	3	MLSC2169 Body Fluids	1
MATH 1000 Algebra for College Students	3	MLSC2249 Clinical Chemistry I	4
COMM 1402 Speech Communication	3	MLSC2159 Clinical Immunology	2
GE 2024 Research & Technology	3	MLSC4279 Clinical Microbiology	6
		MLSC2239 Immunohematology I	3
Disciplinary & Interdisciplinary Distribution Requirements:		MLSC4349 Clinical Chemistry II	3
Humanities: 6 S.H.		MLSC4329 Hematology II	3
*ENG 2403 World Literature	3	CLSC4310 Lab Statistics, Management & Education	2
<i>(Select one course from below)</i>		CLSC4319 Introduction to Molecular Diagnostics	2
Fine Arts/Art History	3	MLSC4339 Immunohematology II	2
Philosophy or Religion	3	MLSC4429 Clinical Practice Hematology & Urinalysis	2
Foreign Languages (Must take I and II for credit) ^{***}	3	MLSC4449 Clinical Practice in Chemistry	2
Music or Theatre	3	MLSC4489 Independent Study	3
Interdisciplinary	3	MLSC4390 Topics in Medical Laboratory Science ⁷	1
		MLSC4439 Clinical Practice Immunohematology& Immunology	2
Social Sciences: 6 S.H.		MLSC4479 Clinical Practice in Microbiology	2
*HIST 1000 or HIST 1062	3		
PSY 1000 General Psychology	3		
Science and Mathematics: 7 S.H.			
MATH 1054 Pre-Calculus ³	3		
CHEM 1083 Chemistry I ^{4,5}	4		
**GE Major Capstone: BIO 4970 Seminar Integrative Biology	3	NOTES:	
		*G.E. required course	
** ACADEMIC MAJOR REQUIREMENTS	41 S.H.	**All Major courses require a grade of C or better	
BIO 2200 Cell Biology	4	**ENG 1030 Composition requires a grade of C or better	
BIO 2400 Genes, Organisms, Populations	4	¹ See prerequisites and equivalencies.	
BIO 3305 Principles of Microbiology	4	² Required of all Freshmen and Transfers with less than 10 credits	
BIO 3403 Anatomy and Phys I ⁶	4	³ A prerequisite for MATH 1054 is MATH 1000 (Algebra for College Students).	
BIO 3404 Anatomy and Phys II ⁶	4		
BIO 3709 Genetics	3	⁴ A grade of C or better must be earned in CHEM 1083 and CHEM 1084; prerequisites to CHEM 2581	
BIO 4105 Essentials of Biochemistry	4	⁵ MATH 1054 is a co- or prerequisite for CHEM 1083	
BIO 4315 Immunology	4	⁶ BIO 3433 and BIO 3434 Honors Anatomy & Physiology I & II may be substituted for BIO 3403 & BIO 3404	
BIO Major Elective @ 3000/4000 level	4		
CHEM 2581 Organic Chemistry Lecture I	3	⁷ A comprehensive exam in Medical Laboratory Science is given at the end of the Program, and is part of your Topics in Medical Laboratory Science course.	
CHEM 2583 Organic Chemistry Lab	2	Achievement of a passing score is a requirement for completion of the Topics course and the Program	
ADDITIONAL REQUIRED COURSES	15 S.H.		
CHEM 1084 Chemistry II ⁴	4		
CHEM 2582 Organic Chemistry Lecture II	3		
CHEM 2584 Organic Chemistry Lab II	2		
SOC 1000 Introduction to Sociology	3	Advisor Signature:	
MATH 1016 Statistics	3	Advisor:	

ADDITIONAL MAJOR INFORMATION AND REQUIREMENTS

GENERAL EDUCATION INFORMATION AND REQUIREMENTS

Testing and Placement

Incoming freshmen and transfer students may be placed in specific GE Foundations, Developmental or ESL courses as a result of testing prior to registration. Students may be exempt from testing due to SAT scores or prior college work.

Prerequisites and Equivalencies for GE Foundations Courses

GE 1000²

Required of all freshmen and transfers with fewer than 10 credits
Prereq: None
Equiv: ID 1001

ENG 1030^{}**

Prereq: Placement testing or exemption from placement testing
Equiv: ENG 1031/1032, ENG 1033/1034, ENG 1430, ENG 1020, ENG 1400

MATH 1000 or 1010 or 1016 or 1030

Prereq: MATH 0901 if required by placement testing
Equiv of MATH 1000: MATH 1001/1002, MATH 1003/1004, MATH 1051

MATH 1044 or 1054

Prereq: MATH 0901 if required by placement testing and MATH 1000

COMM 1402

Prereq: CS 0412 if required by placement testing
ENG 1031/1032 or ENG 1033/1034 if required by placement testing
May be taken concurrently with ENG 1030
Equiv: COMM 1400

GE 2021- 2026 *Research and Technology* is offered as college-based course

GE 2021 College of BPA

GE 2022 College of EDU

GE 2023 College of HSS

GE 2024 College of NAHS

GE 2025 College of VPA

GE 2026 Undecided Majors

Prereq: CS 0412 if required by placement testing
ENG 1030 or equivalent
COMM 1402

Equiv: GE 2020

GE Distribution Courses

All courses taken under the General Education Disciplinary/Interdisciplinary Distribution requirements must be selected from the Approved General Education Distribution Course List, printed in Registration Bulletin. These courses are designated as GEHU, GESS, GESM, or GEHPE.

GEHU Humanities

GESS Social Sciences

GESM Science and Mathematics

GEHPE Health and Physical Education

Required GE Distribution Courses

ENG 2403 is a required Humanities Distribution course with an emphasis on diversity. Prereq: CS 0412 if required by placement testing; ENG 1030 or equivalent.

HIST 1000 OR HIST 1062 is a required Social Sciences Distribution course with an emphasis on diversity. Prereq: CS 0412 if required by placement testing; ENG 1031/1032 or ENG 1033/1034 if required by placement testing; May be taken concurrently with ENG 1030.

Foreign Language Credit^{}***

The three credits for a foreign language that may satisfy the GE Disciplinary/Interdisciplinary Distribution Requirement are awarded only upon successful completion of the second of two semesters of study at the introductory or intermediate level.

Credit for the first semester may be used as elective credit.

Major/GE Capstone Course

A Capstone course is a major course that satisfies three credits of GE requirements.

Each major guide sheet will count three credits for the Capstone as either GE credits or major credits, but not both.

UNIVERSITY REQUIREMENT

Writing-Emphasis Requirement

All students are required to complete one "Writing-Emphasis" course. The "W-E" course must be within the major portion of your program. Consult your major program advisor for specific information.

Evaluator's Signature _____ Date _____

Advisor's Signature _____ Date _____