

KEAN UNIVERSITY
College of Natural, Applied and Health Sciences
(70400) B.S. in Clinical Laboratory Science/ Joint Program with Rutgers Cytotechnology 128 S.H.
Effective Date: Fall 2017

Name:		TRANSFER INSTITUTION(S)	
Student ID #		Start term at Kean:	
GENERAL EDUCATION: 35 SH		RUTGERS CYTOLOGY MAJOR COURSES	
Foundation Requirements¹	13 SH		43 SH
GE 1000 ² or GE 3000	1	CYTO4129 Gynecologic Cytology	4
ENG 1030 ³ College Composition	3	CYTO4219 Gynecologic Cytology Laboratory	4
MATH 1054 Precalculus	3	CYTO4119 Cytoprep Techniques	3
COMM 1402 Speech Communication	3	CYTO4229 Clinical Practicum I	2
GE 2024 Research & Technology	3	CLSC4319 Introduction to Molecular Diagnostics	2
		CLSC4310 Lab Statistics, Management & Education	2
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS:		CYTO4319 Respiratory Cytology	3
		CYTO4239 Fine Needle Aspiration Cytology of the Thyroid	2
		CYTO4249 Urinary Cytology	2
Humanities (GEHU)	6 SH	CYTO4339 Clinical Practicum II	2
ENG 2403 World Literature	3	CYTO4350 Independent Study	2
One GE-Approved Humanities Course	3	CYTO4259 Gastrointestinal Cytology	2
		CYTO4329 Body Fluid Cytology	2
Social Sciences (GESS)	6 SH	CYTO4419 Clinical Practicum III	4
HIST 1062 Worlds of History	3	CYTO4269 Surgical Pathology Techniques	2
One GE-Approved Social Science Course	3	CYTO4349 Advanced Techniques	2
		CYTO4429 Cytological-Histological Correlations	3
Science and Mathematics (GESM)	7 SH		
MATH 1016 Statistics	3		
CHEM 1083 ⁴ General Chemistry I	4		
Major/GE Capstone³	3 SH		
BIO 4970 Seminar in Integrative Biology	3		
MAJOR REQUIRED COURSES³	36 SH		
BIO 1300 ⁵ General Biology I	4		
BIO 1400 ⁵ General Biology II	4		
BIO 3305 Microbiology	4		
BIO 3403 Anatomy and Physiology I	4		
BIO 3404 Anatomy and Physiology II	4		
BIO 3709 Genetics	4		
BIO 4105 Essentials of Biochemistry	4		
BIO 4315 Immunology	4		
BIO 3260 Introduction to Histology	4		
ADDITIONAL REQUIRED COURSES:	14 SH		
CHEM 1084 ⁴ General Chemistry II	4		
CHEM 2581 ⁴ Organic Chemistry Lecture I	3		
CHEM 2583 ⁴ Organic Chemistry Lab I	2	ADVISOR:	
CHEM 2582 Organic Chemistry Lecture II	3		
CHEM 2584 Organic Chemistry Lab II	2	ADVISOR'S SIGNATURE:	

Minimum cumulate GPA of 2.85 at time of application for acceptance as declared major
Minimum cumulative GPA of 2.85 required to apply to Rutgers School of Cytotechnology
or year clinical preceptorship.

¹See prerequisites & equivalencies

²University requirement for graduation for all undergraduate students that must be satisfied in one of two ways: Complete GE 1000 (all freshmen and transfers entering with 0-29 credits) OR complete GE 3000 (transfers entering with 30 credits or more).

³ENG 1030, Capstone & Major Courses require C or higher

⁴C or higher needed to progress to next course

⁵If enrolled before 9/14, substitute BIO2200/2400

GENERAL EDUCATION INFO & 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

ENG 1030 Prerequisite: Placement testing; Equivalent: ENG 1031/32; 1033/34; 1430; ENG 1020; 1400

MATH 1054 Precalculus Prerequisite: 3 years secondary school math including 2 years algebra + 1 year geometry or equivalent & qualifying score on placement exam or equivalent

COMM 1402 Prerequisite: CS 0411 or 0412 if required by testing; ENG1031/32; 1033/34 Maybe taken concurrently w/ENG1030; Equivalent: COMM1400

GE 2021-2024 Research & Technology is offered as college-based course

GE 2021 College of BPA; GE 2022 College of ED; GE 2023 College of AHSS; GE 2024 College of NAHS

Prerequisite: ENG 1030 or equivalent & MATH 1000 or equivalent; Equivalent: GE 2020

Course Paired with Reading Must be taken concurrently with CS 0412 if required by placement testing.

General Education Distribution Courses

All courses under GE Disciplinary/Interdisciplinary Distribution requirements must be selected from the Approved GE Distribution Course List. (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. Prerequisite: ENG 1030 or equivalent

HIST 1062 is a required Social Sciences Distribution course with an emphasis on diversity.

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.

Course Prerequisites (Pre/Corequisites may change, consult Kean Wise; Some course may require approved petitions)

BIO 1300: Math 1000 (College Algebra) or the University's math placement exam score to qualify & Corequisite: MATH 1054 (Precalculus) or instructor permission

BIO 1400: Prerequisite BIO 1300 and Corequisite CHEM 1083 General Chemistry I

BIO 3403 BIO 2400 or BIO 1400 and CHEM 2180 or CHEM 2581

BIO 3404: BIO 3403

BIO 3305: BIO 2400 or BIO 1400

BIO 3709: BIO 2400 or 1400

BIO 4315: BIO 1400 and BIO 3305

BIO 4105: BIO 2400 or BIO 1400 and one semester of organic chemistry

BIO 4970: 20 credits of biology plus senior biology major status (requires approved petition)

CHEM 1083: Prerequisite MATH 1000 (College Algebra); Corequisite MATH 1054 (Precalculus)

CHEM 1084: MATH 1054, & CHEM 1083 with grade of C or better

CHEM 2581: CHEM 1084 with grade of C or better; **CHEM 2583:** Corequisite of CHEM 2581

CHEM 2582: CHEM 2581 with grade of C or better; **CHEM 2584:** Prerequisite of CHEM 2583 grade of C or better & corequisite of CHEM 2582

MATH 1016: MATH 0901 or placement testing