

KEAN UNIVERSITY
College of Natural, Applied and Health Sciences
(70200) B.S. in Medical Technology (General Option) 124 S.H.
(70201) B.S. in Medical Technology (Cytotechnology Option) 124 S.H.
(70202) B.S. in Medical Technology (Histotechnology Option) 124 S.H.
Effective Date: Fall 2017

Name:		TRANSFER INSTITUTION(S)	
Student ID #		Start term at Kean:	
GENERAL EDUCATION: 35 SH		ACADEMIC MAJOR COURSES	
Foundation Requirements¹	13 SH	Major Required Courses³	36 SH
GE 1000 ² Transition to Kean OR	1	BIO 1300 ⁵ General Biology I	4
GE 3000 ² Transfer Transitions	1	BIO 1400 ⁵ General Biology II	4
ENG 1030 ³ College Composition	3	BIO 3305 Microbiology	4
MATH 1054 Precalculus	3	BIO 3403 Anatomy and Physiology I	4
COMM 1402 Speech Comm. as Critical Citizenship	3	BIO 3404 Anatomy and Physiology II	4
GE 2024 Research & Technology	3	BIO 3709 Principles of Genetics	4
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS:		BIO 4105 Essentials of Biochemistry	4
		BIO 4315 Immunology	4
Humanities (GEHU)	6 SH	BIO Major Elective @ 3000/4000 level or BIO 3260 Introduction to Histology	4
ENG 2403 World Literature	3		
One GE-Approved Humanities Course	3		
		Required Courses- Special Options³	30 SH
		General Option	30 S.H.
		ID 4877- ID 4878 Clinical Preceptor I & II	
Social Sciences (GESS)	6 SH	Cytotechnology Option *⁶	30 S.H.
HIST 1062 Worlds of History	3	ID 4879 – ID 4880 Cytotechnology Clinical I & II	
One GE-Approved Social Science Course	3		
		Histotechnology Option *⁶	30 S.H.
Science and Mathematics (GESM)	7 SH	ID 4881 – ID 4882 Histotechnology Clinical I & II	
MATH 1016 Statistics	3	*Experiential Learning option	
CHEM 1083 ⁴ General Chemistry I	4		
Major/GE Capstone³	3 SH		
BIO 4970 Seminar in Integrative Biology	3	Free Electives (50% at 3000-4000 level)	9 SH
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		
CHEM 2582 Organic Chemistry Lecture II	3		
CHEM 2584 Organic Chemistry Lab II	2		
		ADVISOR:	
Rev. 04/17		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 senior year clinical preceptorship.

Minimum cumulative GPA of 2.85 required for graduation.

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

⁶Cytotechnology option and Histotechnology option are through Experiential Learning only

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 yrs. secondary school math including 2 yr.s algebra + 1 yr. 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/Co-requisites may change, consult KeanWise; Some course may require approved petitions)

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

BIO 1400: Prerequisite BIO 1300 and Co-requisite 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); Co requisite 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:** Co-requisite of CHEM 2581

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

MATH 1016: MATH 0901 or placement testing