

**Kean University – College of Health Professions and Human Services
(21141) B.S. in Exercise Science: Pre-AT/PT 120 Semester Hours**

(S.H.)

2.75 Minimum GPA Required for Declaration; Major and Graduation: 3.0

EFFECTIVE DATE: Fall 2022

GENERAL EDUCATION¹	32 S.H.	ACADEMIC MAJOR	6 S.H. 9
Foundation Requirements:	13 S.H.	Major Required Courses**	41 S.H.
GE 1000 or GE 3000 Transition to Kean ²		1 EXSC 1996 Intro to Research in Exercise Science	1
ENG 1030 College Composition ³		3 EXSC 1500 Introduction to Motor Learning	3
MATH 1054 Precalculus ^{3,6}		3 EXSC 2500 Introduction to Biomechanics	3
COMM 1402 Speech Communication ³		3 EXSC 2800 ^{W-E} Introduction to Exercise Science ***	3
GE 2022 Research & Technology		3 HED 3232 Emergency Medical Responder	3
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS*		AT 3500 Care and Prevention of Athletic Injuries	3
Humanities	6 S.H.	EXSC 3505 Kinesiology	3
ENG 2403 World Literature		3 EXSC 3510 Physiology of Exercise	3
Take one "GE Approved" course from one area below		EXSC 3511 Physiology of Exercise Lab	1
Fine Arts/Art History		3 HED 3515 Wellness	3
Philosophy or Religion		3 EXSC 3601 Nutrition for Fitness & Wellness	3
Foreign Languages (Must take I and II for credit)		3 HED 3635 Introduction to Public Health	3
Music or Theatre		3 EXSC 4605 Stats in Exercise Science	3
Interdisciplinary		3 EXSC 4626 Prescriptive Ex. Programs	3
Social Sciences	6 S.H.	EXSC 4629 Exercise Testing & Interpretation	3
HIST 1062 Worlds of History		3 Major Capstone Course	3 S.H.
PSY 1000 General Psychology		3 EXSC 4625 Org / Admin Exercise Science***	3
		Athletic Training Concentration Courses	13 S.H.
Science and Mathematics	7 S.H.	Activity Options ⁹	4
MATH 1016 Statistics		3 EXSC 3617 Group and Personal Training Lab	3
CHEM 1083 General Chemistry I ^{5,6}		4 EXSC 3692 Clinical Exp. Exercise Science***	3
Additional Required Courses	19 S.H.	EXSC 4627 Clinical Practice Exercise Science***	3
PSY 3110 Lifespan Psychology ⁴		3 Physical Therapy Concentration Courses	13 S.H.
BIO 1000 / [†] BIO 1300 General Biology I ^{5,6}		4 Activity Option ⁹	1
BIO 2403 Human Anatomy & Physiology I ⁵		4 BIO 1400 General Biology II ⁷	4
BIO 2404 Human Anatomy & Physiology II		4 CHEM 1084 General Chemistry II	4
PHYS 2091 General Physics I ^{5,6}		4 PHYS 2092 General Physics II	4
		Free Electives	12 S.H.
		Lower Level (1000-2000)	6
		Upper Level (3000-4000)	6
		SUGGESTED: MATH 1000 ¹⁰ , MGS 2030 Principles of Management, BIO 3100 ⁸ Medical Terminology, EXSC 4630 Electrocardiography, TR 3790 Rec Therapy for Individuals with Physical Disabilities	

Special Instruction

¹ See pre-requisites and equivalencies in courses catalog (on page 2)

² All undergraduate students must satisfy this University requirement for graduation by successfully completing one of the following courses at Kean University: GE 1000 Transition to Kean (all freshmen and transfers entering with 0-29 credits; or GE 3000 Transfer Transitions (transfers entering with 30 credits or more)

³ Requires a minimum grade of C or better

⁴ PSY 1000 is a prerequisite for PSY 3110

⁵ A C or better is required to move on to the next level course

⁶ MATH 1054 is a co-requisite for BIO 1300, CHEM 1083, & PHYS 2091

⁷ BIO 1300 is a prerequisite

⁸ BIO 1400 & GE 2024 are prerequisites

⁹ Activity courses include EXSC: 1011, 1020, 1023, 2023, 1025, 1108, 1109, 1130, PED: 1101, 1103, 1110, 1113

¹⁰ May be required based on placement test results

*Required of all majors

** Courses Required By Major

*** Courses Requires a B- or Better

† DPT prerequisite

GENERAL EDUCATION AND UNIVERSITY 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 and/or multiple measures placement prior to registration. Students may be exempt from testing due to SAT/ACT scores or prior college work.

Prerequisites and Equivalencies for GE Foundations Courses

GE 1000/GE 3000 is a University Graduation Requirement GE 1000

Required of all freshmen & transfers entering with 0-29 credits

Prerequisite: None
Equivalent: ID 1001

GE 3000

Required of transfers entering with 30 credits or more
Prerequisite: 30 credits and ENG 1030

ENG 1030

Prerequisite: Placement testing or exemption from placement testing

Equivalent: ENG 1025 if required by placement testing
Equivalent: ENG 1031/1032, ENG 1033/1034, ENG 1430 (ESL version), ENG 1620 (Honors version), ENG 1020, ENG 1400

MATH 1000 or MATH 1044*

Prerequisite: MATH 0901 if required by placement testing
*MATH 1044 is available as a Foundation option for CBPM students only
Equivalent: MATH 1000: MATH 1001/1002, MATH 1003/1004, MATH 1051

MATH 1010 or 1016 or 1030

Prerequisite: MATH 0901 if required by placement testing
Co-requisite: Math 0902 (only required, with advisement, based on placement test score and intended major)

MATH 1054

Prerequisite MATH 0901 if required by placement testing
and MATH 1000

BIO 1300

Co-requisite: MATH 1054
Prerequisite for BIO 1400

CHEM 1083

Co-requisite: MATH 1054
Prerequisite for CHEM 1084

PHYS 2091

Co-requisite: MATH 1054
Prerequisite for PHYS 2092

COMM 1402

Prerequisite CS 0412 if required by placement testing
ENG 1025 if required by placement testing
May be taken concurrently with ENG 1030
Equivalent COMM 1400

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

GE 2021 College of BPM GE
2022 College of EDU GE 2023
All College of CLA
GE 2024 College of NAHS & NJCSTM & NWGC (Speech Language and Hearing Science majors)

GE 2025 SFPA & Michael Graves College
GE 2026 Undecided Majors and other special populations
Prerequisite CS 0412 if required by placement testing; ENG 1030 or equivalent course
Equivalent: GE 2020

GE Distribution Courses

Approved 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.

These courses are designated as GEHU, GESS, and GESM.

GEHU	Humanities
GESS	Social Sciences
GESM	Science and Mathematics

Required GE Distribution Courses

ENG 2403 is a required Humanities Distribution course with an emphasis on diversity.

Prerequisite: CS 0412 if required by placement testing; ENG 1030 or equivalent
Equivalent: ENG*2203

HIST 1062 is a required Social Sciences Distribution course. Prerequisite: None

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.

UNIVERSITY REQUIREMENTS

GE 1000/3000 Requirement

All undergraduate students must satisfy this University requirement for graduation by successfully completing one of the following courses at Kean University: GE 1000 Transition to Kean (all freshmen and transfers entering with 0-29 credits) or GE 3000 Transfer Transitions (transfers entering with 30 credits or more).

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.

Note: Equivalent courses may be prior General Education or prerequisite coursework taken by students that is now discontinued

4-YEAR COURSE SEQUENCE

† PT Conc. Only; * AT Conc. Only

First Year							
Fall				Spring			
GE 1000 Transition to Kean		1		COMM 1402 Speech Comm		3	
ENG 1030 College Composition		3		BIO 1000 Principles of Biology or BIO 1300 Gen Biology I †		4	
MATH 1054 Precalculus		3		HIST 1062 Worlds of History		3	
PSY 1000 General Psychology		3		MATH 1016 Statistics		3	
GE HUM		3		ACTIVITY COURSE		1	
EXSC 1996 Intro to Research in Exercise Science		1		ACTIVITY COURSE*		1	
ACTIVITY COURSE*		1					
		14-15 S.H.				14-15 S.H.	
Second Year							
Fall				Spring			
PSY 3110 Lifespan Psychology		3		CHEM 1083 General Chemistry I		4	
EXSC 1500 Intro to Motor Learning		3		BIO 1400 General Biology II †		4	
BIO 2403 Anatomy & Physiology I		4		PHYS 2091 General Physics I		4	
GE 2022 Research and Tech		3		BIO 2404 Anatomy & Physiology II		4	
ENG 2403 World Literature		3		EXSC 2800 Introduction to Exercise Science *		3	
		16 S.H.				15-16 S.H.	
Third Year							
Fall				Spring			
Athletic Training Concentration		Physical Therapy Concentration		Athletic Training Concentration		Physical Therapy Concentration	
HED 3232 Emergency Medical Responder	3	PHYS 2092 Gen Physics II	4	EXSC 2500 Intro to Biomechanics	3	EXSC 3505 Kinesiology	3
AT 3500 Care/Prev of Athletic Injuries	3	CHEM 1084 Gen Chem II	4	EXSC 3510 Physiology of Exercise	3	HED 3232 Emergency Medical Responder	3
EXSC 3505 Kinesiology	3	EXSC 2800 Intro to Exercise Science	3	EXSC 3511 Physiology of Exercise Lab	1	EXSC 2500 Intro to Biomechanics	3
HED 3515 Wellness	3	AT 3500 Care/Prev of Athletic Injuries	3	EXSC 3617 Group/Pers Training Lab	3	EXSC 3510 Physiology of Exercise	3
EXSC 3601 Nutrition for Fitness & Wellness	3	HED 3515 Wellness	3	HED 3635 Intro to Public Health	3	EXSC 3511 Physiology of Exercise Lab	1
ACTIVITY COURSE †	1			EXSC 4605 Stats in Exercise Science	3		
	16 S.H.		17 S.H.		16 S.H.		13 S.H.

GENERAL EDUCATION REQUIREMENTS

Fourth Year							
Fall				Spring			
Athletic Training Concentration		Physical Therapy Concentration		Athletic Training Concentration		Physical Therapy Concentration	
EXSC 3692 Clinical Exp in EXSC	3	EXSC 3601 Nutrition for Fitness & Wellness	3	EXSC 4627 Clinical Practice in EXSC	3	EXSC 4625 Org/Adm of EXSC Programs	3
EXSC 4626 Prescriptive Exercise	3	HED 3635 Intro to Public Health	3	EXSC 4625 Org/Adm of EXSC Programs	3	FREE ELECTIVE	3
EXSC 4629 Exercise Testing & Interpretation	3	EXSC 4605 Stats in Exercise Science	3	FREE ELECTIVE	3	FREE ELECTIVE	3
FREE ELECTIVE	3	EXSC 4626 Prescriptive Exercise	3	FREE ELECTIVE	3	FREE ELECTIVE	3
FREE ELECTIVE	3	EXSC 4629 Exercise Testing & Interpretation	3			FREE ELECTIVE	3
	15		15		12.		15
	S.H		S.H		S.H		S.H