

SUGGESTED THREE-YEAR GRADUATION PLAN



Roadmap: Exercise Science - Pre-Physical/Occupational Therapy/Podiatric Medicine –
Bachelor of Science
 EH-BS-EXSI-PPOP
 Education, Health and Human Services
 School of Health Sciences
 Catalog Year: 2016-2017

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designed as critical (!) must be completed in the semester listed to ensure a timely graduation.

Critical	Course Subject and Title	Credit Hours	Min. Grade	Major GPA	Attribute	Notes
Post-Secondary Coursework or Credit By Examination Upon Entry as a Freshman: [30 Credit Hours]						
	BSCI 10110 Biological Diversity ¹	4		■	KBS	
	CHEM 10060 General Chemistry I ¹	4			KBS	
	CHEM 10062 General Chemistry I Laboratory ¹	1			KBS	
	MATH 11010 Algebra for Calculus ¹	3			KMC	
	PSYC 11762 General Psychology ¹	3			DD/KSS	
	Kent Core Composition ¹	6				
	Kent Core Humanities and Fine Arts ¹	9				
Semester One [17 Credits]						
	ATTR 25057 Human Anatomy and Physiology I ² <i>or</i> EXSC 25057 Human Anatomy and Physiology I ²	3		■	KBS	
	ATTR 35040 Strength and Conditioning	2		■		
	CHEM 10061 General Chemistry II	4			KBS	
	CHEM 10063 General Chemistry II Laboratory	1			KBS	
	EXSC 15010 Introduction to Exercise Science	2		■		
	Chemistry Elective ³	4				
	UC 10097 Destination Kent State: First Year Experience ¹	1				
Semester Two [16 Credits]						
	ATTR 25058 Human Anatomy and Physiology II ² <i>or</i> EXSC 25058 Human Anatomy and Physiology II ²	3		■	KBS	
	GERO 14029 Introduction to Gerontology	3			DD/KSS	
	HED 14020 Medical Terminology	3		■		
	MATH 11022 Trigonometry	3			KMC	
	General Elective or Chemistry Elective ³	4				
Semester Three [16 Credits]						
	ATTR 35054 Biomechanics <i>or</i> EXSC 35054 Biomechanics	3		■		
	BSCI 10120 Biological Foundations	4		■	KBS	
	EXSC 35068 Statistics for Exercise Scientist	3		■		
	EXSC 45481 Seminar in Exercise Physiology	1		■		
	PHY 13001 General College Physics I	4		■	KBS	
	PHY 13021 General College Physics Laboratory I	1		■	KBS	
Semester Four [16 Credits]						
	EXSC 35023 Professional Certificate Preparation ⁴	2		■		
	EXSC 45080 Physiology of Exercise	3	C ⁵	■	WIC	
	NUTR 23511 Science of Human Nutrition	3			KBS	
	PEP 25033 Lifespan Motor Development	3		■		
	PHY 13002 General College Physics II	4		■	KBS	
	PHY 13022 General College Physics Laboratory II	1		■	KBS	
Semester Five [15 Credits]						
Note: Apply for graduation						
	EXSC 35022 Exercise Leadership	3		■		
	EXSC 45492 Internship in Physical Fitness and Cardiac Rehabilitation	3		■	ELR	
	EXSC 45096 Individual Investigation in Exercise Science	3		■	ELR	
	NUTR 33512 Nutrition	3		■		
	PSYC 40111 Abnormal Psychology	3		■		
Semester Six [10 Credits]						
	General Elective ⁶	10				

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours 30000 – 40000 level course	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
120	39	36	2.250	2.000

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1. UC 10097 is not required of transfer students with 25 credits (excluding College Credit Plus) or students age 21+ at time of admission
2. Students who have successfully completed BSCI 11010/11020 Foundational Anatomy and Physiology I/II may use those courses in place of ATTR/EXSC 25057/25058 Human Anatomy and Physiology I/II.
3. Chemistry Elective (4-8 credits)

Choose from the following:

CHEM 20481 Basic Organic Chemistry I (4) **or**

CHEM 30481 Organic Chemistry I * (3) **and**

CHEM 30475 Organic Chemistry Laboratory I * (1) **and**

CHEM 30482 Organic Chemistry II * (3)

CHEM 30476 Organic Chemistry Laboratory II * (1) **and**

* Recommended for those students planning to apply to the Doctor of Podiatric Medicine degree.

4. It is highly recommended that the Exercise Science major take the American College of Sports Medicine Health Fitness Specialist and/or Certified Personal Trainer exams upon completion of their degree program.
5. A minimum C (2.000) grade must be earned to fulfill the writing-intensive requirement.
6. Number of credits required depends on meeting minimum 120 credit hours and minimum 39 upper-division credit hours. Students are strongly encouraged to meet with faculty advisor when selecting electives. Maximum 12 credit hours from the Doctor of Podiatric Medicine degree can be used to fulfill general electives for students accepted to the program.

Program Notes:

- A minor may be selected to meet the students' personal interests as well as to enhance their professional preparation. Students interested in research careers in exercise physiology should consult their advisor about enhancing their sciences preparation. If a minor is included, total coursework may exceed the minimum 120 credit hours required for graduation
- Exercise Science is one route to Physical Therapy and Occupational Therapy advanced study programs. Athletic Training is another option for pursuing advancement into PT and/or OT graduate programs. Specifically, Athletic Training involves clinical courses and dual-certificate (AT/PT) opportunities for those choosing Pre-Physical Therapy/OT as a course of study. Additionally, Integrated Health Studies provides a viable course of study which can also serve as Pre-PT/OT curricula for interested students. The Health Science concentration includes a strong math and science curriculum which provides a solid foundation for numerous health/medical graduate degrees in particular physical and occupational therapy.

University Requirements: Bachelor's degree-seeking students must meet Kent Core (general education requirements), diversity, writing-intensive and experiential learning requirements. For more information about these requirements, please read the following sections in the University Catalog: Kent Core – www.kent.edu/catalog/kent-core; Diversity Course Requirement – www.kent.edu/catalog/diversity; Writing-Intensive Course Requirement – www.kent.edu/catalog/wic; Experiential Learning Requirement – www.kent.edu/catalog/elr.

Attribute Legend: **DD** Diversity–Domestic; **DG** Diversity–Global; **ELR** Experiential Learning; **KAD** Kent Core Additional; **KBS** Kent Core Basic Sciences; **KCM** Kent Core Composition; **KFA** Kent Core Fine Arts; **KHU** Kent Core Humanities; **KMC** Kent Core Mathematics and Critical Reasoning; **KSS** Kent Core Social Sciences; **WIC** Writing Intensive