

This degree plan packet is meant to be a resource for current students at Texas A&M University.

If you are a prospective freshman or transfer student and would like to see if the courses listed in this packet coincide with courses you have taken or are looking to take outside of Texas A&M, please utilize one of the following resources:

Texas A&M University Transfer Course Equivalency Site

<https://howdy.tamu.edu/uPortal/p/tce-ui.ctf1/max/render.uP>

Texas Common Course Numbering System

<https://www.tccns.org/>

TEXAS A&M UNIVERSITY
B.S. DEGREE PLAN IN KINESIOLOGY – EXERCISE SCIENCE
APPLIED EXERCISE PHYSIOLOGY (AEP)

STUDENT _____ UIN# _____
 (Last) (First) (MI)

Writing Requirements: KINE 435 & KINE 439 Foreign Language: (2 yrs HS or 2 semesters University) _____

International Cultural Diversity (3) _____ Cultural Discourse (3) _____ Phone Number _____

COURSE #	HRS	GRD	COURSE #	HRS	GRD
ENGLISH & SPEECH (6)			KINESIOLOGY (16)		
ENGL 103 or 104 – Comp & Rhetoric	3		KINE 199 Majors Resist/Flex # ^	1	
ENGL 210 or COMM 203^	3		KINE 199 Majors Aero Movement # ^	1	
MATH (6)			KINE 121# – Phys & Motor Fitness Assess	2	
MATH 140 – Business & Social Sci.	3		KINE 213 – Foundations of Kinesiology	3	
MATH 142 – Business Calculus	3		KINE 307 – Lifespan Motor Development	3	
SCIENCE (32)			KINE 318 – Care of the Athlete	3	
BIOL 111 –Introductory Biology I	4		KINE 406 – Motor Learning & Skill Perf	3	
BIOL 112 – Introductory Biology II	4		PROFESSIONAL DEVELOPMENT (12)		
CHEM 119 – Fund of Chemistry I	4		^ Prof Dev ELECTIVE	3	
CHEM 120– Fund of Chemistry II	4		^ Prof Dev ELECTIVE	3	
PHYS 201 – College Physics I	4		^ Prof Dev ELECTIVE	3	
PHYS 202 – College Physics II	4		^ Prof Dev ELECTIVE	3	
BIOL 319 # –Integ Hum Anat & Phys I	4		KINESIOLOGY - NON-SEQUENCED (7)		
BIOL 320 # –Integ Hum Anat & Phys II	4		KINE 426 – Exercise Biomechanics	3	
LANG, PHIL & CULTURE (3) *			KINE 428 – Exercise Biomechanics Lab	1	
	3		KINE 427 – Therapeutic Principles	3	
CREATIVE ARTS (3) *			KINESIOLOGY - SEQUENCED (20)		
	3		SEQUENCE ONE~		
SOCIAL SCIENCE (3)			KINE 433 – Exercise Physiology %	3	
PBSI 107 – Intro to Psychology	3		KINE 435 – Physiology of Exercise Lab +	1	
CITIZENSHIP (12)			KINE 439 – Exer Eval & Prescription + %	4	
HIST*	3		SEQUENCE TWO~		
HIST*	3		KINE 483 – Practicum **	3	
POLS 206 – American National Govt	3		SEQUENCE THREE~		
POLS 207 – State and Local Govt	3		KINE 484 – Internship	9	

Important Information:

BOLD courses indicate prerequisite classes that **MUST** be taken before the **Shaded** KINE courses

*Refer to core.tamu.edu to select courses to satisfy the University Core Curriculum. Proper selection of courses might meet ICD or CD requirements

^See General Rules and/or Spreadsheet for list of acceptable courses

#These courses must be taken at Texas A&M University

+KINE 435 and KINE 439 will fulfill the first University Core Curriculum Writing Requirement; KINE 435 must be taken with or after KINE 433

~Shaded sequenced courses for AEP students take a minimum of three semesters to complete based on the required sequencing of courses

% KINE 439 may be taken concurrently or subsequently with KINE 433/435

Pre-internship course that **MUST be taken the Fall, Spring, or Summer semester directly before the Internship course (KINE 484)

STUDENT _____ DATE _____

MINIMUM HOURS REQUIRED: 120

ADVISOR _____ DATE _____

PROPOSED GRAD. DATE: _____

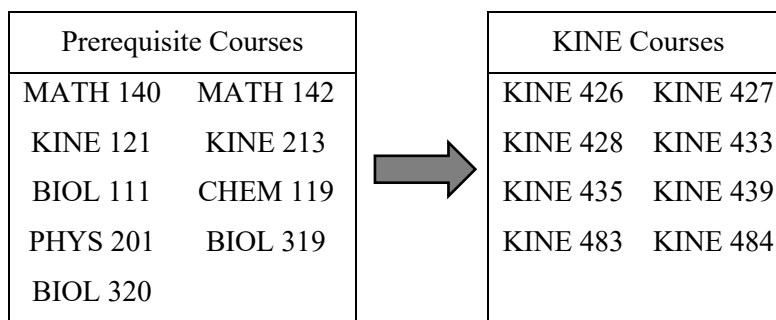
Applied Exercise Physiology Curriculum Spreadsheet

THIS GUIDE IS INTENDED TO ASSIST IN SCHEDULING. EVERYTHING IS SUBJECT TO CHANGE.					
COURSE	PRE-REQUISITE	CLASS	SUBSTITUTE	MIN GRADE	Detailed Information
ENGL 104		U1-U2	ENGL 103	C	Must take as U1 or U2 at TAMU, otherwise you will have to transfer this course in
ENGL/COMM		U1-U4		C	Choose from ENGL 210 or COMM 203*, 205, 243; *PT School Recommended
MATH 140		U1-U4	MATH 148, 152, 168, 172	C	Prerequisite course for KINE 406, 426, 427, 428, 433, 435, 439, 483, & 484
MATH 142	MATH 140	U1-U4	MATH 147, 151, 171	C	Prerequisite course for KINE 406, 426, 427, 428, 433, 435, 439, 483, & 484; Certain TAMU MPE scores can meet pre-reqs. See Math dept. for details
BIOL 111		U1-U4	NONE	C	Prerequisite course for KINE 406, 426, 427, 428, 433, 435, 439, 483, & 484
BIOL 112	BIOL 111	U1-U4	BIOL 107	C	
CHEM 119		U1-U4	NONE	C	Prerequisite course for KINE 406, 426, 427, 428, 433, 435, 439, 483, & 484
CHEM 120	CHEM 119	U1-U4	NONE	C	
PHYS 201		U1-U4	NONE	C	Prerequisite course for KINE 406, 426, 427, 428, 433, 435, 439, 483, & 484
PHYS 202	PHYS 201	U1-U4	NONE	C	
BIOL 319	BIOL 111 & 112 or 107	U1-U4	NONE	C	Prerequisite course for KINE 406, 426, 427, 428, 433, 435, 439, 483, & 484 ; Must be taken at Texas A&M
BIOL 320	BIOL 319	U1-U4	NONE	C	Prerequisite course for KINE 406, 426, 427, 428, 433, 435, 439, 483, & 484 ; Must be taken at Texas A&M
HIST - 3 hrs		U1-U4		D	See core.tamu.edu
HIST - 3 hrs		U1-U4		D	See core.tamu.edu
POLS 206		U1-U4	NONE	D	
POLS 207		U1-U4	NONE	D	
PBSI 107		U1-U4	NONE	C	
**Creative Arts Elective		U1-U4		D	See core.tamu.edu Some courses may meet International Cultural Diversity or Cultural Discourse requirements
**Language, Phil & Culture Elective		U1-U4		D	See core.tamu.edu Some courses may meet International Cultural Diversity or Cultural Discourse requirements
KINE 199 Majors Resist/Flex		U1-U4	NONE	C	Must not take Pass/Fail (S/U). Majors Resist/Flex - See General Rule's for info; Must be taken at Texas A&M
KINE 199 Majors Aerobic Movement		U1-U4	NONE	C	Must not take Pass/Fail (S/U). Majors Aerobic Movement - See General Rule's for info; Must be taken at Texas A&M
KINE 121		U1-U4	NONE	C	Prerequisite course for KINE 406, 426, 427, 428, 433, 435, 439, 483, & 484 ; Must be taken at Texas A&M
KINE 213		U1-U4	NONE	C	Prerequisite course for KINE 406, 426, 427, 428, 433, 435, 439, 483, & 484
KINE 307		U3-U4	NONE	C	
KINE 318	BIOL 319	U3-U4	NONE	C	
Professional Development Electives - 12 HRS		U1-U4		C	Select from Directed Electives list on General Rules sheet; Some courses may have prerequisites; Work with PSA to determine specific prereqs needed for admission to professional school https://opsa.tamu.edu/index.html
KINE 406	Bolded Courses except BIOL 320	U3-U4	NONE	C	Must have completed prerequisites to take; Can take with or after BIOL 320, all other bolded courses must be complete before
KINE 426	Bolded Courses	U3-U4	NONE	C	Must have completed prerequisites to take
KINE 427	Bolded Courses	U3-U4	NONE	C	Must have completed prerequisites to take
KINE 428	Bolded Courses & KINE 426	U3-U4	NONE	C	Must have completed prerequisites to take; Must take with or after KINE 426
KINE 433	Bolded Courses	U3-U4	NONE	C	Must have completed prerequisites to take; Take with or before KINE 439
KINE 435+	Bolded Courses & KINE 433	U3-U4	NONE	C	Must have completed prerequisites to take; Must take with or after KINE 433; Writing Intensive Course
KINE 439+%	KINE 433/435	U3-U4	NONE	C	Must have completed prerequisites to take; Take during semester immediately prior to 483 (Fall, Spring, or Summer); Writing Intensive Course
KINE 483%	KINE 439	U3-U4	NONE	C	Take during semester immediately prior to KINE 484 (Fall, Summer, or Spring)
KINE 484%	All other coursework	U3-U4	NONE	C	Internship - Must complete all other coursework before you are enrolled in this course
+Writing Course Requirement					
%Must have an approved application to intern on file to take					
** Proper selection might also meet International Cultural Diversity or Cultural Discourse requirements - see core.tamu.edu					

GENERAL RULES
APPLIED EXERCISE PHYSIOLOGY (AEP)
CATALOG 202431

I. COURSE SEQUENCING AND PREREQUISITES

The Kinesiology curriculum is sequenced, meaning you must complete certain prerequisite courses prior to enrolling in certain 400 level KINE courses. The purpose of course sequencing is to present material in a logical way that helps lay the foundation for students to be successful in the courses that follow. The prerequisites must be completed with a C or better before students can enroll in KINE 426, 427, 428, 433, 435, 439, 483 and 484. Students will not be permitted to enroll in these courses without completing the prerequisites. See spreadsheet page for additional course pre-requisite information.



II. DESIGNATED ELECTIVES FOR APPLIED EXERCISE PHYSIOLOGY OPTION

BICH 410/412 – Comp Biochemistry I and Lab (3/1)	*KINE 285 – <u>Learning Community Section Only</u> (1)
BICH 411 – Biochemistry II (3)	KINE 305 – Sport Nutrition (3)
BIOL 206 – Introductory Microbiology (4)	KINE 340 - Essentials of Strength and Conditioning (3)
BIOL 213 – Molecular Cell Biology (3)	*KINE 485 – Directed Studies (0-4)
BIOL 351– Fundamentals of Microbiology (4)	*KINE 491 – Undergrad Research (0-4)
BIOL 405 – Comparative Endocrinology (3)	NUTR 202 – Fundamentals of Nutrition (3)
BIOL 434 – Reg & Behave Neuroscience (3)	Any 300 - 499 level NUTR Course
BIOL 454 – Immunology (3)	Any 300 - 499 level PBSI Course
COMM 370 – Health Communication (3)	PBSI 225 – Lifespan Development (3)
CHEM 257 – Fundamentals of Organic Chem I & Lab (4)	PHIL 111 – Contemporary Moral Issues (3)
CHEM 258 – Fundamentals of Organic Chem II & Lab (4)	PHIL 251 – Introduction to Philosophy (3)
+GENE 301/312 – Comprehensive Genetics (3/1) or	PHIL 480 – Medical Ethics (3)
GENE 320 – Biomedical Genetics (3)	SOCI 205 – Intro to Sociology (3)
GENE 310 – Principles of Heredity (3)	SPMT 304 – Psychology of Sport (3)
+HLTH 354 – Medical Terminology (3) or	+STAT 302 – Statistical Methods (3) or
PHLT 354 – Medical Terminology for Health Professions (3)	STAT 303 – Statistical Methods (3)
+ISTM 209 or ISTM 210 – BUSN INFO System Concept (3)	VTPB 409 – Introduction to Immunology (3)
KINE 216 – First Aid (2)	VTPP 425 – Pharmacology (3)
“*” = Must have instructor approval “+” = Only one course from the box may be taken	NOTE: SOME ELECTIVES MAY HAVE COURSE RESTRICIONS OR PREREQUISITES THAT MUST BE MET IN ORDER TO ENROLL IN THE CLASS

Careful selection of electives can allow you to fulfill Professional School requirements. Check with the Professional School Advising office for these requirements at 979-847-8938 or [PSA Website](#)

III. KINE 199 REQUIREMENTS FOR AEP

AEP KINE 199 Requirements	
KINE 199 Majors Resist Flex	KINE 199 Majors Aerobic Movement

Here are the rules that apply to your KINE 199 requirement

1. **You must take both KINE 199's from the chart**
2. **You must take these courses for a grade. They cannot be taken Pass/Fail**
3. **You must take these courses at Texas A&M. These courses cannot be transferred in**
4. **You should complete required KINE 199's before taking others for fun**

IV. PROGRESS TOWARDS DEGREE

Student Rule 1.5.1 states, "A student is expected to register for a schedule of courses that follows the program of study for a degree in his or her college. A student who elects not to follow the program of study must obtain approval from his or her academic advisor. A student who fails to obtain approval may be held from registration, removed from the inappropriate course(s) and/or required to register for a prescribed schedule of courses"

Periodically advisors will check to make sure you are taking classes towards your degree. If you are planning to change majors or take prerequisites for professional school, please let your advisor know.

Student Rule 12.1 – 12.2 - Students must maintain a 2.5 or higher GPA at all times. Those who do not meet the minimum GPA requirements may be placed on academic probation or dismissed from their major.

V. UNDERGRADUATE DEGREE PLANNER REQUIREMENT

The Undergraduate Degree Planner (UGDP) is an electronic tool that allows students to create a four-year layout of degree requirements to map out a tentative graduation timeline. The UGDP is in Howdy and accessible at any time to edit or plan future semesters. Students are encouraged to update their UGDP each semester to prepare for class registration, stay on track with course sequencing, and prepare for academic advising meetings. The UGDP is not a substitute for advising. Completion of your UGDP does NOT ensure you are meeting all the requirements for graduation or that your courses will be available in the semester(s) you plan.

VI. REQUIREMENTS FOR INTERNSHIP

1. Submit application to intern. Applications are submitted the semester you take your last bolded course.
2. Minimum GPR Requirement: 2.5 Overall at Texas A&M.
3. Completion of all bolded course work by the end of the application semester.
4. Be aware the internship is competitive based, and applications will be reviewed by Kinesiology faculty committee.

VII. REQUIREMENTS FOR GRADUATION

1. Submit departmental *Intent to Graduate* survey by the deadline (announced each semester): **two (2) semesters before intended graduation semester.**
2. Minimum GPR requirement: 2.5 overall at Texas A&M.
3. Complete all required coursework with the minimum required grade.
4. Apply for graduation and pay the diploma fee the semester you are graduating.
5. Transfer all applicable courses to Texas A&M by the registrars' deadline.
6. More information can be found on <http://graduation.tamu.edu/>

Everything in this degree plan packet is subject to change

Applied Exercise Physiology Catalog 202431

This degree plan has been laid out showing students the number of hours they should take each semester in order to complete the degree in four years. This is a *suggested* plan, students may opt to take their courses differently based on their individual situation. Students should use this document in conjunction with the curriculum spreadsheet, a copy of their degree plan, and meeting with their academic advisor when scheduling courses each semester. Students should be mindful that they need to complete all of the bolded prerequisite courses before they will be allowed to take the shaded upper level KINE courses.

First Fall		First Spring		First Summer	
Course	Cr Hrs	Course	Cr Hrs	Course	Cr Hrs
BIOL 111	4	BIOL 112	4	PHYS 201	4
Select One: Math 140, 148, 152, 168, 172	3	CHEM 119	4		
ENGL 103 or 104	3	*American History	3		
*Creative Arts	3	KINE 213	3		
#KINE 121	2				
TOTAL	15	TOTAL	14	TOTAL	4

Second Fall		Second Spring		Second Summer	
Course	Cr Hrs	Course	Cr Hrs	Course	Cr Hrs
CHEM 120	4	#BIOL 319	4	PHYS 202	4
Select One: Math 142, 147, 151, 171	3	^Professional Development Elective	3		
*Language, Philosophy, Culture	3	Select One: ENGL 210 or COMM 203, 205, 243	3		
*American History	3	POLS 206	3		
PBSI 107	3	#KINE 199	1		
TOTAL	16	TOTAL	14	TOTAL	4

Third Fall		Third Spring		Third Summer	
Course	Cr Hrs	Course	Cr Hrs	Course	Cr Hrs
#BIOL 320	4	KINE 433	3		
KINE 318	3	+KINE 435	1		
POLS 207	3	+%KINE 439	4		
^Professional Development Elective	3	KINE 307	3		
^Professional Development Elective	3	#KINE 199	1		
		^Professional Development Elective	3		
TOTAL	16	TOTAL	15	TOTAL	0

Fourth Fall		Fourth Spring		Fourth Summer	
Course	Cr Hrs	Course	Cr Hrs	Course	Cr Hrs
KINE 483**	3	KINE 484	9		
KINE 426	3				
KINE 427	3				
KINE 428	1				
KINE 406	3				
TOTAL	13	TOTAL	9	TOTAL	0

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