

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://compass-ssb.tamu.edu/pls/PROD/bwxkwtes.P_TransEquivMain

Texas Common Course Numbering System

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

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

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

Writing Requirement **KINE 439 & KINE 198** Foreign Language (2 yrs HS or 2 semesters University) _____

International and Cultural Diversity (6 hours) _____ e-mail _____

COURSE #	HRS	GRD	COURSE #	HRS	GRD
ENGLISH & SPEECH (6)			KINESIOLOGY (37)		
ENGL 104 – Composition & Rhetoric	3		KINE 199 Majors Resist/Flex #	1	
ENGL/COMM ^	3		KINE 199 Majors Aero Movement #	1	
MATH (6)			KINE 198 Health and Fitness # +	1	
MATH 140/141	3		KINE 121 – Phys & Motor Fitness Assess	2	
MATH 131 – Math Concepts – Calculus	3		KINE 213 – Foundations of Kinesiology	3	
SCIENCE (32)			KINE 318 – Athletic Injuries	3	
BIOL 111 –Introductory Biology I	4		KINE 426 – Exercise Biomechanics	4	
BIOL 112 – Introductory Biology II	4		KINE 427 – Therapeutic Principles	3	
CHEM 101/111 – Fund of Chemistry I	4		KINE 433 – Exercise Physiology	3	
CHEM 102 /112– Fund of Chemistry II	4		KINE 439 – Exerc Eval & Prescription +	4	
PHYS 201 – College Physics I	4		KINE 483 – Practicum **	3	
PHYS 202 – College Physics II	4		KINE 484 – Internship	9	
BIOL 319#–Integ Hum Anat & Phys I	4				
BIOL 320#–Integ Hum Anat & Phys II	4				
HISTORY (6)					
HIST*	3		PROFESSIONAL DEVELOPMENT (18)		
HIST*	3		HLTH 335 – Human Diseases	3	
POLITICAL SCIENCE (6)			STAT 302 – Statistical Methods	3	
POLS 206 – American National Govt	3		^Prof Dev ELECTIVE	3	
POLS 207 – State and Local Govt	3		^Prof Dev ELECTIVE	3	
SOCIAL SCIENCE (3)			^Prof Dev ELECTIVE	3	
PSYC 107 – Intro to Psychology	3		^Prof Dev ELECTIVE	3	
VISUAL/PERFORMING ARTS (3) *					
	3				
HUMANITIES (3) *					
	3				

Courses outlined in **BOLD** indicate classes that **MUST** be taken before admittance to the Professional Phase (shaded area) of the program. Courses **SHADED** indicate classes in the **PROFESSIONAL PHASE** of the program.

* Refer to the **Undergraduate Catalog**. All electives **MUST** satisfy University Core Curriculum. Some electives may meet International and Cultural Diversity requirements.

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

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

+KINE 439-900 will fulfill the University Core Curriculum Writing Requirement; Select KINE 198 section numbers starting with 900 to meet the second Writing Requirement.

Pre-internship course which **MUST be taken the last semester (including summer) before Internship (KINE 484).

STUDENT _____ DATE _____ MINIMUM HOURS REQUIRED: 120

ADVISOR _____ DATE _____ PROPOSED GRAD. DATE: _____

CHAIR, KINE _____ DATE _____

Applied Exercise Physiology Catalog 136

This guide is intended to assist students in scheduling. Update as advisor indicates.

COURSE	PREREQ	CLASS	SUBSTITUTE	MAJOR	ESSENTIAL INFORMATION!!!
ENGL 104		U1, U2		EDKI	Needed to apply to Professional Phase; Must have a "B/C" combination in ENGL 104 & ENGL/COMM elective
ENGL/COMM				EDKI	Needed to apply to Professional Phase; Choose from ENGL 210, 241, 301 <u>OR</u> COMM 203, 205, 243
MATH 140/141			MATH 166	EDKI	Needed to apply to Professional Phase; Must make a "C" or better
MATH 131			MATH 142	EDKI	Needed to apply to Professional Phase; Must make a "C" or better
BIOL 111				EDKI	Needed to apply to Professional Phase; Must make a "C" or better
BIOL 112	BIOL 111		BIOL 107	EDKI	Must make a "C" or better
CHEM 101/111				EDKI	Needed to apply to Professional Phase; Must make a "C" or better
CHEM 102/112	CHEM 101			EDKI	Must make a "C" or better
PHYS 201				EDKI	Needed to apply to Professional Phase; Must make a "C" or better
PHYS 202	PHYS 201			EDKI	Must make a "C" or better
BIOL 319	BIOL 111 & 112 or 107			EDKI	Needed to apply to Professional Phase; Must make a "C" or better Must be taken at Texas A&M
BIOL 320	BIOL 319			EDKI	Needed to apply to Professional Phase; Must make a "C" or better Must be taken at Texas A&M
HIST - 3 hrs				EDKI	HIST 105 and 106 or other courses in American and Texas history, except those courses pertaining solely to Texas History may not comprise more than 3 hours
HIST - 3 hrs				EDKI	
POLS 206			NONE	EDKI	
POLS 207			NONE	EDKI	
PSYC 107				EDKI	
**Vis/Perf Arts				EDKI	See Core Curriculum. Some courses may meet International & Cultural Diversity requirements. See advisor
**Humanities				EDKI	See Core Curriculum. Some courses may meet International & Cultural Diversity requirements. See advisor
KINE 199 Majors Resist Flex				EDKI	MUST NOT TAKE PASS/FAIL (S/U). Must be Majors Resistance Flex. Must make a "C" or better. Must be taken at Texas A&M
KINE 199 Majors Aerobic Movement				EDKI	MUST NOT TAKE PASS/FAIL (S/U). Must be Majors Aero Movement. Must make a "C" or better. Must be taken at Texas A&M
KINE198+				EDKI	MUST NOT TAKE PASS/FAIL (S/U); Must make a "C" or better; Only section numbers starting with 900 are acceptable.
KINE 121			NONE	EDKI	Needed to apply to Professional Phase; Must make a "C" or better
KINE 213				EDKI	Needed to apply to Professional Phase; Must make a "C" or better
KINE 318		JR/SR		EDKI	Must make a "C" or better
KINE 426		JR/SR		KINE	Must be accepted to Professional Phase; Must make a "C" or better
KINE 427		JR/SR		KINE	Must be accepted to Professional Phase; Must make a "C" or better
KINE 433		JR/SR		KINE	Must be accepted to Professional Phase; Take before or concurrently with KINE 439; Must make a "C" or better
KINE 439+	KINE 433	SR ONLY		KINE	Must be accepted to Professional Phase; Take immediately prior to KINE 483; Must make a "C" or better
KINE 483	KINE 439	SR ONLY		KINE	Must be accepted to Professional Phase; Take immediately prior to KINE 484; Must make a "C" or better
KINE 484	KINE 483			KINE	Internship Semester; Completion of ALL coursework before enrollment; Must make a "C" or better
HLTH 335	BIOL 320			KINE	Must be accepted to Professional Phase; Must make a "C" or better
STAT 302	MATH 141/EQUIV		STAT 303		Must make a "C" or better
Professional Development Electives -- 12 hours					Select from Directed Electives on General Rules Sheet; Must make a "C" or better

**Course may satisfy International & Cultural Diversity requirement. See undergraduate catalog for list of classes.

+Satisfies Core Curriculum Writing Requirement.

GENERAL RULES
APPLIED EXERCISE PHYSIOLOGY (AEP)
CATALOG 136

I. REQUIREMENTS FOR ADMISSION TO THE PROFESSIONAL PHASE OF THE PROGRAM

The Professional Phase pre-requisites indicate “preparedness” for upper level coursework.

1. Complete a minimum of **45 credit hours** of degree plan coursework, 30 of which must be University Core Curriculum requirements with a minimum of 15 hours completed at Texas A&M.
2. Complete ENGL 104 and the ENGL/COMM requirement with a minimum “B/C” grade combination.
3. Complete the following **bold** courses with a grade of “C” or better:

KINE 121 MATH 131/142 BIOL 111 CHEM 101 & 111 PHYS 201

KINE 213 MATH 141/166 BIOL 319# BIOL 320#

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

4. Minimum GPR requirement: 2.5 overall at Texas A&M.
5. Submit Application Form, Math & Science Worksheet and a professional resume by the deadline during the semester all above criteria will be met (during the semester you are enrolled in your last **BOLD** classes). Submit application form, Math & Science Worksheet and resume by **February 15th for Summer Acceptance, July 1st for Fall Acceptance and September 15th for Spring Acceptance**. Forms are available on the website (<https://mycehd.tamu.edu/academic-services/undergraduate-advising/upper-level-professional-phase-admissions>). **No handwritten or late applications will be accepted.**

NOTE: Approximately 3 weeks after the deadline you will be able to check <http://myrecord.tamu.edu> to see that your status has been changed from “Kinesiology (Lower)” to “BS KINE Applied Exercise Physiology”. This will allow you to register for Professional Phase courses. You will receive official notification of your acceptance or denial into the Professional Phase of the program approximately two weeks after TAMU grades are posted for the semester.

II. PROGRESS TOWARDS DEGREE- Students must show progress towards their degree by completing a combined total of 24 credit hours on their degree plan during the fall and spring semesters. At the end of the spring semester, students who did not complete 24 credit hours on their degree plan will be placed on probation. They must complete at least 12 hours on their degree plan plus make up any additional hours not completed the year before during the next fall semester. Failure to do so will result in dismissal from the department.

III. KINE 199 REQUIREMENTS FOR AEP

All AEP students must take KINE 199 Majors Resist Flex and KINE 199 Majors Aerobic Movement only to fulfill their KINE 199 graduation requirements.

IV. DESIGNATED ELECTIVES FOR APPLIED EXERCISE PHYSIOLOGY OPTION

Careful selection of electives can allow you to fulfill Professional School requirements. Check with the Office of Professional School Advising for these requirements at 979-847-8938 or <http://honors.tamu.edu/opsa>

BICH 410 – Comp Biochemistry I (3)	KINE 306 – Functional Anatomy for Coaches (1)
BICH 411 – Biochemistry II (3)	KINE 307 – Lifespan Motor Development (3)
BIOL 206 – Introductory Microbiology (4)	KINE 240/ISYS 209 – Comp Tech in KINE (3)
BIOL 213 – Molecular Cell Biology (3)	* KINE 320 – Advanced Athletic Injuries (3)
BIOL 351 – Fundamentals of Microbiology (4)	KINE 434 – Advanced Exercise Physiology (3)
CHEM 227/237 – Organic Chemistry I & Lab (4)	*KINE 485 – Directed Studies (VC)
CHEM 228/238 – Organic Chemistry II & Lab (4)	*KINE 491 – Undergrad Research (VC)
HLTH 216 – First Aid (2)	NUTR 202 – Fund of Human Nutrition (3)
#HLTH 353 – Drugs & Society (3)	SPMT 304 – Psychology of Sport (3)
HLTH 354 – Medical Terminology (3)	VTPP 425 Pharmacology (3)
KINE 305 – Sport Nutrition (3)	Any 300-400 level NUTR or PSYC class
“#” = Must be in Professional Phase	“*” = Must have instructor approval

PLEASE NOTE THAT MANY OF THE ABOVE COURSES HAVE PRE-REQUISITE REQUIREMENTS

V. REQUIREMENTS FOR INTERNSHIP

1. Submit Intent to Graduate form prior to the deadline (February 15th , July 1st or September 15th) the **semester while enrolled in KINE 439.**
2. Minimum GPR Requirement: 2.5 Overall at Texas A&M.
3. Approval of Internship Application by Internship Coordinator during the Pre-Internship course (KINE 483).
4. A grade of “C” or better MUST be made in each of the following: ENGL/COMM, Math, Science Foundation, Professional Development and Major Courses. This applies to those courses taken at Texas A&M and those taken elsewhere and transferred to Texas A&M.
5. Must have successfully completed all coursework prior to Internship.

VI. REQUIREMENTS FOR GRADUATION

1. Minimum GPR Requirement: 2.5 overall at Texas A&M.
2. Successfully complete of ALL degree plan courses with required grade in each.
3. Add/Pay Diploma Fee the semester you are **graduating/interning.**
4. Apply for Graduation the semester you are **graduating/interning.**
5. Transfer all applicable courses to Texas A&M Admissions.

Texas A&M University
Department of Health and Kinesiology
B.S. Degree Plan in Kinesiology – Exercise Science
Applied Exercise Physiology (AEP)

The flow chart below is designed to help the student determine when they should take certain courses.

- Prerequisite courses are denoted by arrows.
- All **BOLD** courses must be completed prior to admission in the Professional Phase.
- Students may not take courses in the last 4 columns until they have been admitted to the Professional Phase of the program.
- See the General Rules handout for more information regarding admission to the Professional Phase.

Courses with no prerequisites Typically taken Year 1 & 2	Courses with prerequisites or upper level standing required.	Courses taken after admission to Professional Phase				
ENGL 104 → MATH 140/141 → MATH 131 HIST* HIST* POLS 206 POLS 207 PSYC 107 KINE 198+ # KINE 199M Resist/Flex # KINE 199M Aero Mvmt # KINE 121 KINE 213 Humanities Elective* VPA Elective* BIOL 111 →	ENGL/COMM ^ BIOL 112 ↓ BIOL 319# ↓ BIOL 320# CHEM 102/112 PHYS 202	STAT 302 KINE 318	HLTH 335 KINE 426 KINE 427 **KINE 433 →	→ **+KINE 439 →	→ **KINE 483 →	→ ***KINE 484
^Professional Development Electives – These courses have prerequisites satisfied by the above courses. Check the course catalog for additional prerequisites.						

→ Denotes prerequisite

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

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

+KINE 439-900 will fulfill the University Core Curriculum Writing Requirement; Select KINE 198 section numbers starting with 900 to meet second writing requirement.

** KINE 433 and KINE 439 can be taken concurrently. It is recommended to take KINE 439 and KINE 483 in back to back semesters including summer.

***Taken Final semester after all other coursework is completed.