KINESIOLOGY EXERCISE SCIENCE/PRE-PT, BACHELOR OF SCIENCE

Requirements General Requirements

Code	Title	Credits
Core Curriculum		42
Required Support	Courses	16
Major Courses		46
Electives		16
Total Credits		120

- · 36 advanced credit hours required for degree
- 30 upper-division hours and 25% of total semester hours required for this degree must be completed at A&M-SA to satisfy residency requirement
- · CIP Code: 31.0505

All students must complete the University's Core Curriculum (https://catalog.tamusa.edu/undergraduate/academic-policies-procedures/corecurriculum/) and the specific requirements of the major. In some cases, a course that is required for a major may also be counted towards the Core Curriculum.

Code	Title	Credits			
Core Curriculum	Core Curriculum ¹				
ENGL 1301	Composition I	3			
ENGL 1302	Composition II	3			
MATH 1314	College Algebra	3			
BIOL 2401	Anatomy & Physiology I	4			
BIOL 2402	Anatomy & Physiology II	4			
Language/Philo	sophy/Culture	3			
Creative Arts		3			
American Histor	ту	3			
American Histor	ту	3			
Government/Po	litical Science	3			
Government/Po	litical Science	3			
PSYC 2301	General Psychology	3			
EDKN 1301	Foundations of Kinesiology	3			
EDKN 1338	Fitness and Wellness	3			
Subtotal:		44			
Required Suppo	rt Courses				
UNIV 1301	First Year Seminar	3			
Fitness Activity		1			
Fitness Activity		1			
EDKN 1304	Personal/Community Health	3			
EDKN 1306	First Aid	3			
EDKN 1322	Nutrition	3			
BIOL 2401	Anatomy & Physiology I (Lab Credit)				
BIOL 2402	Anatomy & Physiology II (Lab Credit)				

Major Courses ^{2,3} EDKN 3315 Functional Anatomy 3	Outestal.		1.4
EDKN 3315 Functional Anatomy EDKN 3316 Medical Terminology EDKN 3445 Msrmnt & Eval in Kinesiology Elective (Choose Elective Options Below) EDKN 3332 Program Development and Management in the Fitness Industry EDKN 3426 Basic Physiology of Exercise EDKN 4325 Biomechanics MATH 3301 Biostatistics Elective (Choose Elective Options Below) EDKN 4320 Motor Dev and Motor Learning EDKN 4334 Research Proj in Exerc Sci EDKN 4401 Exercise Test and Prescription EDKN 4344 Health and Aging Elective (Choose Elective Options Below) EDKN 4324 Exercise in Chronic Disease and Disabilities EDKN 4328 Internship I EDKN 4417 Adv Physiology of Exercise 46 Elective Course Options Select sixteen hours from the following: 4 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	Subtotal:	3	14
EDKN 3316 Medical Terminology 3 EDKN 3445 Msrmnt & Eval in Kinesiology 4 Elective (Choose Elective Options Below) EDKN 3332 Program Development and Management in the Fitness Industry EDKN 3426 Basic Physiology of Exercise 4 EDKN 4325 Biomechanics 3 MATH 3301 Biostatistics 3 Elective (Choose Elective Options Below) EDKN 4320 Motor Dev and Motor Learning 3 EDKN 4334 Research Proj in Exerc Sci 3 EDKN 4434 Health and Aging 3 EDKN 4344 Health and Aging 3 EDKN 4324 Exercise in Chronic Disease and Disabilities 3 EDKN 4328 Internship I 3 EDKN 4417 Adv Physiology of Exercise 4 Subtotal: 46 Elective Course Options Elective Course Options Select sixteen hours from the following: 4 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology I-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Physics I PHYS 1301 General Physics I PHYS 1301 General Physics I PHYS 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology			•
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Fitness Industry EDKN 3426 Basic Physiology of Exercise 4 EDKN 4325 Biomechanics 3 MATH 3301 Biostatistics 3 Elective (Choose Elective Options Below) EDKN 4320 Motor Dev and Motor Learning 3 EDKN 4334 Research Proj in Exerc Sci 3 EDKN 4401 Exercise Test and Prescription 4 EDKN 4344 Health and Aging 3 Elective (Choose Elective Options Below) EDKN 4324 Exercise in Chronic Disease and Disabilities 3 EDKN 4328 Internship I 3 EDKN 4417 Adv Physiology of Exercise 4 Subtotal: 46 Elective Course Options Select sixteen hours from the following: 4 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Physics I PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	Elective (Choose I	·	
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MATH 3301 Biostatistics 3 Elective (Choose Elective Options Below) EDKN 4320 Motor Dev and Motor Learning 3 EDKN 4334 Research Proj in Exerc Sci 3 EDKN 4401 Exercise Test and Prescription 4 EDKN 4344 Health and Aging 3 Elective (Choose Elective Options Below) EDKN 4324 Exercise in Chronic Disease and Disabilities 3 EDKN 4328 Internship I 3 EDKN 4417 Adv Physiology of Exercise 4 Subtotal: 46 Elective Course Options Select sixteen hours from the following: 4 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	EDKN 3426	Basic Physiology of Exercise	4
Elective (Choose Elective Options Below) EDKN 4320 Motor Dev and Motor Learning 3 EDKN 4334 Research Proj in Exerc Sci 3 EDKN 4401 Exercise Test and Prescription 4 EDKN 4344 Health and Aging 3 Elective (Choose Elective Options Below) EDKN 4324 Exercise in Chronic Disease and Disabilities 3 EDKN 4328 Internship I 3 EDKN 4417 Adv Physiology of Exercise 4 Subtotal: 46 Elective Course Options Select sixteen hours from the following: 4 16 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Physics I PHYS 1301 General Physics II PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	EDKN 4325	Biomechanics	3
EDKN 4320 Motor Dev and Motor Learning 3 EDKN 4334 Research Proj in Exerc Sci 3 EDKN 4401 Exercise Test and Prescription 4 EDKN 4344 Health and Aging 3 Elective (Choose Elective Options Below) EDKN 4324 Exercise in Chronic Disease and Disabilities 3 EDKN 4328 Internship I 3 EDKN 4417 Adv Physiology of Exercise 4 Subtotal: 46 Elective Course Options Select sixteen hours from the following: 4 16 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	MATH 3301	Biostatistics	3
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EDKN 4344 Health and Aging Elective (Choose Elective Options Below) EDKN 4324 Exercise in Chronic Disease and Disabilities EDKN 4328 Internship I EDKN 4417 Adv Physiology of Exercise 4 Subtotal: Elective Course Options Select sixteen hours from the following: BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	EDKN 4334	Research Proj in Exerc Sci	3
Elective (Choose Elective Options Below) EDKN 4324 Exercise in Chronic Disease and Disabilities 3 EDKN 4328 Internship I 3 EDKN 4417 Adv Physiology of Exercise 4 Subtotal: 46 Elective Course Options Select sixteen hours from the following: 4 16 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	EDKN 4401	Exercise Test and Prescription	4
EDKN 4324 Exercise in Chronic Disease and Disabilities 3 EDKN 4328 Internship I 3 EDKN 4417 Adv Physiology of Exercise 4 Subtotal: 46 Elective Course Options Select sixteen hours from the following: 4 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	EDKN 4344	Health and Aging	3
EDKN 4328 Internship I 3 EDKN 4417 Adv Physiology of Exercise 4 Subtotal: 46 Elective Course Options Select sixteen hours from the following: 4 16 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	Elective (Choose	Elective Options Below)	
EDKN 4417 Adv Physiology of Exercise 4 Subtotal: 46 Elective Course Options Select sixteen hours from the following: 4 16 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	EDKN 4324	Exercise in Chronic Disease and Disabilities	3
Subtotal: 46 Elective Course Options Select sixteen hours from the following: 4 16 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	EDKN 4328	Internship I	3
Elective Course Options Select sixteen hours from the following: 4 16 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	EDKN 4417	Adv Physiology of Exercise	4
Select sixteen hours from the following: 4 16 BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	Subtotal:		46
BIOL 1306 Gen Biology I-Attr Living Sys BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	Elective Course 0	Options	
BIOL 1307 Gen Biology II-Biol Organisms CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	Select sixteen ho	ours from the following: ⁴	16
CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	BIOL 1306	Gen Biology I-Attr Living Sys	
CHEM 1312 General Chemistry II PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	BIOL 1307	Gen Biology II-Biol Organisms	
PHYS 1301 General Physics I PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	CHEM 1311	General Chemistry I	
PHYS 1302 General Physics II MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	CHEM 1312	General Chemistry II	
MATH 1316 Trigonometry ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	PHYS 1301	General Physics I	
ENGL 2311 Technical Writing CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	PHYS 1302	General Physics II	
CISA 1305 Business Computer Applications Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	MATH 1316	Trigonometry	
Select one of the following: PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	ENGL 2311	Technical Writing	
PSYC 2314 Lifespan Growth & Development PSYC 3325 Abnormal Psychology	CISA 1305	Business Computer Applications	
PSYC 3325 Abnormal Psychology	Select one of the	following:	
	PSYC 2314	Lifespan Growth & Development	
PSYC 3304 Psychology of Learning	PSYC 3325	Abnormal Psychology	
	PSYC 3304	Psychology of Learning	

- Other courses may satisfy core curriculum requirements. Courses listed under the core curriculum above are also specific degree requirements and are recommended in the core to expedite degree completion.
- 2 Courses are listed in suggested order of completion
- 3 'C' or higher required in EDXX courses
- The following are required or recommended for admission to most physical therapy programs.

Plan of Study

Total Credits

This suggested plan of study is intended to be used as a guide in conjunction with official degree requirements outlined in the catalog. While this plan demonstrates a course of study that covers eight semesters, each student's academic path is unique and your timeline may look different. Students

120

should regularly consult with academic advisors as they plan their course schedules as course offerings may vary.

First Year		
First Semester		Credits
UNIV 1301	First Year Seminar	3
MATH 1314	College Algebra	3
ENGL 1301	Composition I	3
HIST 1301	US History to 1865	3
Language, Philos	ophy, and Culture	3
	Credits	15
Second Semester	r	
ENGL 1302	Composition II	3
HIST 1302	US History from 1865	3
EDKN 1301	Foundations of Kinesiology	3
BIOL 2401	Anatomy & Physiology I	4
	Credits	13
Third Semester		
PSYC 2301	General Psychology	3
GOVT 2305	Federal Government	3
	Credits	6
Second Year		
First Semester		
BIOL 2402	Anatomy & Physiology II	4
EDKN 1338	Fitness and Wellness	3
EDKN 1322	Nutrition	3
	Credits	10
Second Semester		
GOVT 2306	Texas Government	3
EDKN 1306	First Aid	3
EDKN 3315	Functional Anatomy	3
EDKN 1304	Personal/Community Health	3
Creative Arts	,	3
	Credits	15
Third Semester		
EDKN 3316	Medical Terminology	3
Elective		3
	Credits	6
Third Year	ordano e e e e e e e e e e e e e e e e e e e	ŭ
First Semester		
EDKN 3332	Program Development and Management in	3
	the Fitness Industry	_
EDKN 3445	Msrmnt & Eval in Kinesiology	4
EDKN 3426	Basic Physiology of Exercise	4
Elective		1
Fitness Activity		1
	Credits	13
Second Semester	r	
EDKN 4334	Research Proj in Exerc Sci	3
EDKN 4325	Biomechanics	3
SOCI 3330	Statistics for Sociology	3
or MATH 3301	or Biostatistics	
Elective		3

Fitness Activity	•	1
	Credits	13
Third Semester		
EDKN 4344	Health and Aging	3
Elective		3
	Credits	6
Fourth Year		
First Semester		
EDKN 4401	Exercise Test and Prescription	4
EDKN 4417	Adv Physiology of Exercise	4
Elective		3
	Credits	11
Second Semest	ter	
EDKN 4320	Motor Dev and Motor Learning	3
EDKN 4324	Exercise in Chronic Disease and Disabilities	3
EDKN 4328	Internship I	3
Elective		3
	Credits	12
	Total Credits	120