KINESIOLOGY - BS, EXERCISE SCIENCE TRACK, APPLIED EXERCISE PHYSIOLOGY CONCENTRATION

Overview
The Bachelor of Science degree in Kinesiology offers several options designed to prepare students for a variety of careers in public school education, exercise science and dance science. Some options also provide academic preparation for students interested in professional schools, e.g., physical therapy, occupational therapy, physician's assistant or medicine. There are some common course requirements for all kinesiology options. Additional hours for each option are specifically designed to prepare students for that field of study. The sequencing of courses should be determined in consultation with an appropriate academic advisor.

The four options in exercise science expose students to a strong science background making them excellent candidates for employment opportunities in exercise related areas (cardiac rehabilitation, corporate or private fitness), advanced graduate studies (motor behavior, exercise physiology) or professional school (medical, dental or physical therapy). Course prerequisites for medical, dental or physical therapy professional schools are included in the various programs under this track.

Program Requirements
This degree plan has been laid out showing students the number of hours they must take each semester in order to complete the degree in four years without attending summer school. This is a suggested plan and does not have to be followed as laid out below. Students should use this information in conjunction with advising documents available from their advisor or the department website when scheduling courses each semester to ensure they are meeting all prerequisites, taking courses for admission to professional phase in a timely manner and meeting all grade requirements.

First Year
Fall
ENGL 104 Composition and Rhetoric 1 or Introduction to Rhetoric and Composition 3
ENGL 103
BIOL 111 Introductory Biology I 2 4
CHEM 119 Fundamentals of Chemistry I 2 4
Select one of the following: 2 3-4
MATH 140 Mathematics for Business and Social Sciences
MATH 141 Finite Mathematics
MATH 148 Calculus II for Biological Sciences
MATH 152 Engineering Mathematics II
MATH 166 Topics in Contemporary Mathematics II
MATH 172 Calculus
Creative arts elective (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts) 3,4

Spring
BIOL 112 Introductory Biology II 2 4
CHEM 120 Fundamentals of Chemistry II 2 4
Select one of the following: 2 3-4
MATH 131 Mathematical Concepts—Calculus
MATH 142 Business Calculus
MATH 147 Calculus I for Biological Sciences
MATH 151 Engineering Mathematics I
MATH 171 Analytic Geometry and Calculus
Select one of the following: 1 3
COMM 203 Public Speaking
COMM 205 Communication for Technical Professions
COMM 243 Argumentation and Debate
ENGL 210 Technical and Business Writing
American history elective (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) 3,4

Second Year
Fall
BIOL 319 Integrated Human Anatomy and Physiology I 2 4
KINE 121 Physical and Motor Fitness Assessment 2 2
PHYS 201 College Physics 2 4
PSYC 107 Introduction to Psychology 3
American history elective (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) 3,4

Spring
BIOL 320 Integrated Human Anatomy and Physiology II 2 4
KINE 213 Foundations of Kinesiology 2 3
PHYS 202 College Physics 2 4
POLS 206 American National Government 3
Language, philosophy and culture elective (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture) 3,4

Third Year
Fall
KINE 199 Required Physical Activity 2,6 1
KINE 307 Lifespan Motor Development 2 3
KINE 426 Exercise Biomechanics 2 4
KINE 433 Physiology of Exercise 2 3
KINE 435 Physiology of Exercise Lab 2,5 1
POLS 207 State and Local Government 3

Semester Credit Hours
17
17
16
17
15
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<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>KINE 199</td>
<td>Required Physical Activity 2,6</td>
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<td>KINE 318</td>
<td>Athletic Injuries 2</td>
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<td>KINE 406</td>
<td>Motor Learning and Skill Performance 2</td>
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<td>KINE 439</td>
<td>Exercise Evaluation and Prescription 2,5</td>
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<td>Professional development elective 2,7</td>
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<td>Semester Credit Hours</td>
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<td><strong>Fourth Year</strong></td>
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<td>KINE 427</td>
<td>Therapeutic Principles 2</td>
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<td>KINE 483</td>
<td>Practicum in Kinesiology 2</td>
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<td>KINE 484</td>
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1. Must have at least a grade of 'B' or better and a 'C' or better in ENGL/COMM courses (core Communications requirement.)
2. Must make a grade of 'C' or better.
3. Course selection should meet the International and Cultural Diversity (http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements) (ICD) and/or Cultural Discourse (http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements) (CD) graduation requirement, if needed.
4. Must meet Core Curriculum requirements.
5. Meets Core Curriculum writing requirement.
6. Must take Majors Aerobic Movement and Majors Res/Flex. Participation in band or athletics cannot be used for KINE 199 credit. KINE 199 activities cannot be repeated for credit and must be taken for a grade.
7. To be chosen in consultation with your academic advisor from: BICH 410, BICH 411, BICH 412; BIOL 206, BIOL 213, BIOL 351, BIOL 405, BIOL 434/ NRSC 434, BIOL 454; CHEM 227, CHEM 228, CHEM 237, CHEM 238; COMM 370; HLTH 335, HLTH 353, HLTH 354; KINE 305, KINE 485, KINE 491; NFSC 202, NFSC 203, NFSC 300-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/nfsc); PHIL 111, PHIL 251, PHIL 480; PSYC 300-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/psyc); VTPB 409, VTPP 425; KINE 240/HLTH 240 or ISTM 209 or ISTM 210; PSYC 304 or SPMT 304; SOCI 205; STAT 302 or STAT 303.