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

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

BIOL 111  Introductory Biology I \(^1\)  4
ENGL 104 or ENGL 103  Composition and Rhetoric \(^1\) or Introduction to Rhetoric and Composition  3
KINE 121  Physical and Motor Fitness Assessment \(^1,2\)  2
Select one of the following: \(^1\)  3-4
MATH 140  Mathematics for Business and Social Sciences
MATH 148  Calculus II for Biological Sciences
MATH 152  Engineering Mathematics II
MATH 168  Finite Mathematics
MATH 172  Calculus II

Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture) \(^3,4\)  3

Semester Credit Hours  15

Spring

BIOL 112  Introductory Biology II \(^1\)  4
CHEM 119  Fundamentals of Chemistry I \(^1\)  4
KINE 213  Foundations of Kinesiology \(^1\)  3
American history elective (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) \(^3,4\)  3
Professional development elective \(^1,3,5\)  3

Semester Credit Hours  17

Second Year

Fall

CHEM 120  Fundamentals of Chemistry II \(^1\)  4
PSBS 107  Introduction to Psychology  3
Select one of the following: \(^1\)  3-4
MATH 142  Business Calculus
MATH 147  Calculus I for Biological Sciences

MATH 151  Engineering Mathematics I
MATH 171  Calculus I
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) \(^3,4\)  3
Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts) \(^3,4\)  3

Semester Credit Hours  16

Spring

BIOL 320  Integrated Human Anatomy and Physiology II \(^1,2\)  4
KINE 318  Athletic Injuries \(^1\)  3
PHYS 202  College Physics \(^1\)  4
POLS 206  American National Government  3
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 Professional Writing

Semester Credit Hours  15

Third Year

Fall

BIOL 321  Integrated Human Anatomy and Physiology II \(^1,2\)  4
KINE 199  Required Physical Activity \(^1,2,6\)  1
PHYS 201  College Physics \(^1\)  4
POLS 207  State and Local Government  3
Professional development elective \(^1,3,5\)  3

Semester Credit Hours  17

Spring

KINE 199  Required Physical Activity \(^1,2,6\)  1
KINE 307  Lifespan Motor Development \(^1\)  3
KINE 433  Physiology of Exercise \(^1\)  3
KINE 435  Physiology of Exercise Lab \(^1,7\)  1
KINE 439  Exercise Evaluation and Prescription \(^1,7\)  4
Professional development elective \(^1,3,5\)  3

Semester Credit Hours  15

Fourth Year

Fall

KINE 406  Motor Learning and Skill Performance \(^1\)  3
KINE 426  Exercise Biomechanics \(^1\)  4
KINE 427  Therapeutic Principles \(^1\)  3
KINE 483  Practicum in Kinesiology \(^1\)  3
Professional development elective \(^1,3,5\)  3

Semester Credit Hours  16

Spring

KINE 484  Internship in Kinesiology \(^1\)  9

Semester Credit Hours  9

Total Semester Credit Hours  120

\(^1\) Must make a grade of C or better.
\(^2\) Must be taken at Texas A&M University.
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.

Must meet Core Curriculum requirements.

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; GENE 301, GENE 312 or GENE 320/BIMS 320, GENE 310; HLTH 231, HLTH 335, HLTH 353, HLTH 354; KINE 285, KINE 305, KINE 340, KINE 485, KINE 491; NUTR 202 or NUTR 203, NUTR 300-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/nutr/); PHIL 111, PHIL 251, PHIL 480; PSYC 300-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/psyc/); PBSI 225 or PBSI 307; VTPB 409, VTPP 425; KINE 240/HLTH 240 or ISTM 209 or ISTM 210; PBSI 304 or SPMT 304; SOCI 205; STAT 302 or STAT 303.

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.

Meets Core Curriculum writing requirement.