Bachelor of Science in Kinesiology

The Kinesiology Department has 3 concentrations. Allied Health Professions (AHP), Exercise Science (ES), and Physical Education and Adapted Physical Education (PEAPE).

Allied Health Professions (AHP):

The concentration in Allied Health Professions (AHP) is for people interested in eventual graduate education in allied health professions (e.g., physical therapy, occupational therapy, physician’s assistant, medical or dental school) after graduation from CSUSB. CSUSB Kinesiology AHP students will engage in a rigorous course of study in Kinesiology, Biology, Chemistry, and Physics. This concentration offers undergraduate students essential pre-requisite courses for eventual graduate study in a preferred AHP. Students are strongly encouraged to review admission requirements at accredited universities to which they may apply for specific allied health professional graduate programs. Twelve units in the AHP concentration meet the requirements for GE and major. Note: AHP concentration is the only Kinesiology concentration that is impacted at this time.

Minimum Admission Requirements for First Year Students

Listed below are requirements for high school applicants interested in the AHP program.

<table>
<thead>
<tr>
<th>GPA</th>
<th>ACT Score</th>
<th>SAT Score</th>
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<tbody>
<tr>
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<tr>
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</table>

Minimum Admission Requirements for Transfer Students:

1. 3.20 cumulative GPA required;
2. Complete the following:

MATH 1601 Modeling with Calculus 3
or MATH 2210 Calculus I

BIOL 2230 Human Anatomy and Physiology I for Allied Health Majors 4
BIOL 2240 Human Anatomy and Physiology II for Allied Health Majors 4

A minimum of one (1) science series chosen from Group A, B or C

Group A:

CHEM 2100 General Chemistry I 4
CHEM 2100L General Chemistry I Laboratory 1
CHEM 2200 General Chemistry II 4
CHEM 2200L General Chemistry II Laboratory 1

Group B:

PHYS 2000 Introduction to Physics I 4
PHYS 2000L Introduction to Physics I Lab 1
PHYS 2010 Introduction to Physics II 4

PHYS 2010L Introduction to Physics II Lab 1

Group C:

PHYS 2500 General Physics I 4
PHYS 2500L General Physics I Lab 1
PHYS 2510 General Physics II 4
PHYS 2510L General Physics II 1

The grade earned in each of the above courses must be no lower than a “C” (2.0).

Department Regulations: Students in the Allied Health Professions Concentration must maintain a 3.20 GPA once admitted to the program due to impaction requirements.

Exercise Science (ES):

The Exercise Science (ES) concentration is for people interested in a variety of health/fitness-related fields including but not limited to: personal trainer, cardiac rehab, athletic training, wellness, strength and conditioning specialist, sport psychologist, etc. This concentration prepares undergraduate students to work in a variety of health/fitness related fields.

Physical Education and Adapted Physical Education (PEAPE):

The Physical Education and Adapted Physical Education (PEAPE) concentration is for people interested in becoming physical education teachers and/or adapted physical education teachers. The concentration prepares undergraduate students to go into the teacher education credential program. Formerly known as Pedagogy concentration. The two units from the KINE core count toward the PEAPE concentration. Students in the PEAPE concentration are eligible to obtain the added authorization (http://bulletin.csusb.edu/colleges-schools-departments/education/teacher-education-foundations/physical-education-added-authorization/) for Adapted Physical Education during the credential program through the college of education.

Students should consult an adviser for supporting course work offered for all concentrations in the Kinesiology major.

Requirements (69-78)

Total units required for graduation (120)

Requirements for the B.S. in Kinesiology

Lower-division requirements (19)

BIOL 2230 Human Anatomy and Physiology I for Allied Health Majors 4
BIOL 2240 Human Anatomy and Physiology II for Allied Health Majors 4

Math GE Category B4 *Counts toward GE B4 3

It is strongly suggested for ES and PEAPE concentration students to take MATH 1301. AHP concentration students must take MATH 1601 or MATH 2210.

Complete a minimum of 2 units from the following courses: 2

PEAPE concentration students must take KINE 2610 to meet this requirement

KINE 1010A Individual and Dual Activities: Badminton
KINE 1010E Individual and Dual Activities: Tennis
Bachelor of Science in Kinesiology

KINE 1140A Physical Fitness and Conditioning Activities: Body Conditioning
KINE 1140C Physical Fitness and Conditioning Activities: Jogging
KINE 1140D Physical Fitness and Conditioning Activities: Weight Training
KINE 1140E Physical Fitness and Conditioning Activities: Yoga
KINE 1200A Somatic and Martial Arts Activities: Aikido
KINE 1200E Somatic and Martial Arts Activities: Karate
KINE 1200F Somatic and Martial Arts Activities: Self-Defense
KINE 1200G Somatic and Martial Arts Activities: Cardio-Arts
KINE 1200I Somatic and Martial Arts Activities: Pilates
KINE 1210A Team Activities: Basketball
KINE 1210C Team Activities: Soccer
KINE 1210F Team Activities: Volleyball
KINE 1370A Aquatic Activities: Swimming
KINE 1370E Aquatic Activities: Advanced Swimming for Fitness
KINE 1400 Independent Activity Project
KINE 1500A Dance Activities: Aerobic
KINE 1500B Dance Activities: Low-Impact Aerobic
KINE 1500C Dance Activities: Step Aerobic
KINE 1500D Dance Activities: Ballet
KINE 1500F Dance Activities: Jazz
KINE 1500J Dance Activities: Sampler
KINE 2610 Teaching/Coaching Principles for Dance
KINE 2100 Orientation to Kinesiology
KINE 2700 Introduction to Fitness and Programming

Upper-division requirements (23)
KINE 3100 Introduction to Adapted Physical Activity
KINE 3200 Principles of Human Movement
KINE 3400 Psychology and Sociology of Human Movement
KINE 3500 Motor Development Across the Lifespan
KINE 3700 Statistics in Kinesiology
KINE 3800 Exercise Physiology
KINE 4100 Motor Learning and Control
KINE 4200 Seminar in Kinesiology

Concentration (27-36 units)
Students must satisfy the requirements of one of the concentrations 27-36 listed below:

Total Units 69-78

Concentrations (27-36 units)
Allied Health Professions Concentration (33 units)

Program Code: KAHP

Required Courses: (30)
PSYC 1100 Introduction to Psychology *Counts towards GE Category D4 3
PSYC 3390 Abnormal Psychology 3
CHEM 2100 General Chemistry I *3 units count towards GE Category B1 4
CHEM 2100L General Chemistry I Laboratory 1
CHEM 2200 General Chemistry II 4
CHEM 2200L General Chemistry II Laboratory 1

Physics- A minimum ten units (10) units to choose from:
PHYS 2000 Introduction to Physics I
PHYS 2000L Introduction to Physics I Lab
PHYS 2010 Introduction to Physics II
PHYS 2010L Introduction to Physics II Lab

OR
PHYS 2500 General Physics I
PHYS 2500L General Physics I Lab
PHYS 2510 General Physics II
PHYS 2510L General Physics II Lab
KINE 4800 Biomechanics 4

Electives: Choose 3 units from the courses below (3)
BIOL 2010 Principles of Biology I
BIOL 2020 Principles of Biology II
BIOL 2200 Microbiology for Allied Health Majors
BIOL 3300 Genetics
CHEM 2400 Organic Chemistry I Lecture
CHEM 2400L Organic Chemistry I Laboratory
CHEM 2500 Organic Chemistry II
CHEM 2500L Organic Chemistry II Laboratory
PSYC 2201 Developmental Psychology
KINE 2200 Medical Terminology
KINE 2300 Prevention and Care of Athletic Injuries
KINE 2500 Observational Field Experience in Exercise Science and Allied Health Professions
KINE 3600 Physical Activity and Aging
KINE 3810 Sport and Exercise Nutrition
KINE 4500 Principles of Strength and Conditioning
KINE 4400 Exercise Testing and Prescription
KINE 4700 Clinical Exercise Physiology
KINE 4600 EKG Interpretation and Stress Testing

Total Units 33

Exercise Science (27 units)
Program Code: KEXS

Required Courses (17)
KINE 2300 Prevention and Care of Athletic Injuries 3
KINE 3600 Physical Activity and Aging 3
KINE 3810 Sport and Exercise Nutrition 3
KINE 4400 Exercise Testing and Prescription 4
KINE 4800 Biomechanics 4

Electives (10)
Choose 10 units from the following:
KINE 2200 Medical Terminology
KINE 2500 Observational Field Experience in Exercise Science and Allied Health Professions
KINE 3250 Exercise Techniques for Resistance Training
KINE 3510 Exercise Science Research Seminar
KINE 3900 Health and Fitness Business Management
KINE 4300 Environmental Exercise Physiology
**Bachelor of Science in Kinesiology**

**KINE 4500**  
Principles of Strength and Conditioning  

**KINE 4600**  
EKG Interpretation and Stress Testing  

**KINE 4700**  
Clinical Exercise Physiology  

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>KINE 2540</td>
<td>Field Work in Physical Education and Adapted Physical Education</td>
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<tr>
<td>KINE 2611</td>
<td>Teaching/Coaching Principles for Gymnastics</td>
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<td>KINE 2612</td>
<td>Teaching/Coaching Principles for Swimming</td>
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<td>KINE 2620</td>
<td>Teaching/Coaching Principles for Combative/Fitness Activity</td>
<td>3</td>
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<tr>
<td>KINE 2630</td>
<td>Teaching/Coaching Principles for Individual/Dual Sport</td>
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<td>KINE 2640</td>
<td>Teaching/Coaching Principles for Team Sports</td>
<td>3</td>
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<td>KINE 2650</td>
<td>Teaching/Coaching Principles for Fundamental Movement, Nontraditional Games</td>
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<td>KINE 3300</td>
<td>Movement Skill Assessment for Individuals with Disabilities</td>
<td>3</td>
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<tr>
<td>KINE 3320</td>
<td>The Nature and Issues Concerning Individuals with Disabilities</td>
<td>3</td>
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<tr>
<td>KINE 3330</td>
<td>Applied Behavior Management</td>
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<td>KINE 4720</td>
<td>Program Design in Physical Education</td>
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<tr>
<td>KINE 4730</td>
<td>Instructional Strategies in Physical Education</td>
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<tr>
<td>KINE 4900</td>
<td>Seminar in Physical Education and Adapted Physical Education</td>
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**Total Units**: 36