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 prerequisite 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 meets the requirements for GE and major. Note: AHP concentration is the only Kinesiology concentration that is impacted at this time. Students must request to transfer into the program once meeting the admission requirements.

Minimum Admission Requirements for Transfer Students:

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1601 Modeling with Calculus</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 2210 Calculus I</td>
<td></td>
</tr>
<tr>
<td>BIOL 2230 Human Anatomy and Physiology I for Allied Health Majors</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2240 Human Anatomy and Physiology II for Allied Health Majors</td>
<td>4</td>
</tr>
</tbody>
</table>

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

Group A:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 2100 General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2100L General Chemistry I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 2200 General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2200L General Chemistry II Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

Group B:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 2000 Introduction to Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2000L Introduction to Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 2010 Introduction to Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2010L Introduction to Physics II Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

Group C:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 2500 General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2500L General Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 2510 General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2510L General Physics II</td>
<td>1</td>
</tr>
</tbody>
</table>

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. For students in the PEAPE concentration KINE 3700 meets the requirements for GE Upper Division Scientific Inquiry (B5). Students in the PEAPE concentration are eligible to obtain the added authorization (http://bulletin.csusb.edu/colleges-schools-departments/education/teacher-education-foundations/developed-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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2230 Human Anatomy and Physiology I for Allied Health Majors</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2240 Human Anatomy and Physiology II for Allied Health Majors</td>
<td>4</td>
</tr>
<tr>
<td>MATH GE Category B4</td>
<td>3</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINE 1010A Individual and Dual Activities: Badminton</td>
<td></td>
</tr>
<tr>
<td>KINE 1010E Individual and Dual Activities: Tennis</td>
<td></td>
</tr>
<tr>
<td>KINE 1140A Physical Fitness and Conditioning Activities: Body Conditioning</td>
<td></td>
</tr>
<tr>
<td>KINE 1140C Physical Fitness and Conditioning Activities: Jogging</td>
<td></td>
</tr>
<tr>
<td>KINE 1140D Physical Fitness and Conditioning Activities: Weight Training</td>
<td></td>
</tr>
<tr>
<td>KINE 1140E Physical Fitness and Conditioning Activities: Yoga</td>
<td></td>
</tr>
<tr>
<td>KINE 1200A Somatic and Martial Arts Activities: Aikido</td>
<td></td>
</tr>
</tbody>
</table>
Bachelor of Science in Kinesiology

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 1490  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:

Allied Health Professions Concentration (33 units)
(Program Code: KAHP)

Required Courses: (30)
PSYC 1100  Introduction to Psychology  *Counts towards GE Category D3
PSYC 3390  Abnormal Psychology
CHEM 2100  General Chemistry I  *3 units count towards GE Category B1
CHEM 2100L  General Chemistry I Laboratory
CHEM 2200  General Chemistry II
CHEM 2200L  General Chemistry II Laboratory

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

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 4400  Exercise Testing and Prescription
KINE 4700  Clinical Exercise Physiology
KINE 4600  EKG Interpretation and Stress Testing

Total Units

Exercise Science (27 units)
(Program Code: KEXS)

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

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
KINE 4500  Principles of Strength and Conditioning
KINE 4600  EKG Interpretation and Stress Testing
KINE 4700  Clinical Exercise Physiology

Total Units

Total Units 69-78

Concentrations (27-36 units)

Allied Health Professions Concentration (33 units)
(Program Code: KAHP)

Required Courses: (30)

Electives (10)
Choose 10 units from the following:

Total Units 27
### Physical Education and Adapted Physical Education (36 units)

(Program Code: KPEC)

**Required Courses: (36)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINE 2540</td>
<td>Field Work in Physical Education and Adapted Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>KINE 2611</td>
<td>Teaching/Coaching Principles for Gymnastics</td>
<td>2</td>
</tr>
<tr>
<td>KINE 2612</td>
<td>Teaching/Coaching Principles for Swimming</td>
<td>2</td>
</tr>
<tr>
<td>KINE 2620</td>
<td>Teaching/Coaching Principles for Combative/ Fitness Activity</td>
<td>3</td>
</tr>
<tr>
<td>KINE 2630</td>
<td>Teaching/Coaching Principles for Individual/Dual Sport</td>
<td>3</td>
</tr>
<tr>
<td>KINE 2640</td>
<td>Teaching/Coaching Principles for Team Sports</td>
<td>3</td>
</tr>
<tr>
<td>KINE 2650</td>
<td>Teaching/Coaching Principles for Fundamental Movement, Nontraditional Games</td>
<td>3</td>
</tr>
<tr>
<td>KINE 3300</td>
<td>Movement Skill Assessment for Individuals with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>KINE 3320</td>
<td>The Nature and Issues Concerning Individuals with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>KINE 3330</td>
<td>Applied Behavior Management</td>
<td>3</td>
</tr>
<tr>
<td>KINE 4720</td>
<td>Program Design in Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>KINE 4730</td>
<td>Instructional Strategies in Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>KINE 4900</td>
<td>Seminar in Physical Education and Adapted Physical Education</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units** 36