BS KINESIOLOGY

Program Learning Objectives
1. Demonstrate proficiency in critical thinking through written and oral communication.
2. Apply knowledge of the social and behavioral sciences to the study and practice of exercise, physical activity and sport.
3. Apply knowledge of the natural sciences (e.g. physical, biological, and environmental sciences) to the study and practice of exercise, physical activity and sport.
4. Apply the principles of quantitative and qualitative research to the study and practice of exercise, physical activity and sport.
5. Demonstrate an understanding of diversity, social justice, and inclusion as it relates to exercise, health, physical activity and sport.

Degree Requirements and Curriculum
In addition to the program requirements listed on this page, students must also satisfy requirements outlined in more detail in the Minimum Requirements for Graduation section of this catalog, including:

- 60 units of upper division courses
- Graduation Writing Requirement (GWR)
- 2.0 GPA
- U.S. Cultural Pluralism (USCP)

Note: Up to 4 units of credit/no credit grading may be selected for courses in major, support, or concentration.

MAJOR COURSES
KINE 180 Orientation to Kinesiology 2
KINE 250 Healthy Living (E) 1 4
or KINE 255 Personal Health: A Multicultural Approach
or KINE 260 Women’s Health Issues
KINE 266 Sport and Exercise Psychology 4
KINE 301 Functional Anatomy 3
KINE 303 Physiology of Exercise 4
KINE 304 Pathophysiology and Exercise 3
KINE 307 Adapted Physical Activity 4
KINE 312 Motor Learning and Control 4
KINE 319 Introduction to Research Methods in Kinesiology 4
KINE 349 Exercise Testing and Prescription for Healthy Populations 4
KINE 401 Managing Exercise, Health, and Sport Programs 3
KINE 403 Biomechanics 4
KINE 451 Nutrition for Fitness and Sport 4
KINE 454 Exercise Metabolism 3
KINE 459 Personal and Group Fitness Instruction 3
KINE 460 Experiential Senior Project 1
or KINE 461 Senior Project Report
or KINE 462 Research Honors Senior Project
or KINE 463 Exercise Science and Health Promotion Fieldwork

Select from the following:  8
- BIO 162 Introduction to Organismal Form and Function
- BIO 253 Health Professions Shadowing
- BIO 305 Biology of Cancer
- CHEM 129 General Chemistry for Agriculture and Life Science III
- CHEM 217 Organic Chemistry II
& CHEM 220 Organic Chemistry Laboratory For Life Sciences II
- CHEM 313 Survey of Biochemistry and Biotechnology
- COMS 212 Interpersonal Communication
- COMS 213 Organizational Communication
- COMS 301 Business and Professional Communication
- COMS 316 Intercultural Communication
- FSN 310 Maternal and Child Nutrition
- FSN 315 Nutrition in Aging
- FSN 415 Nutrition Education and Communications
- FSN 416 Community Nutrition
- IME 320 Human Factors and Technology
- KINE 181 Responding to Emergencies: Comprehensive First Aid, CPR, AED
- KINE 297 Medical Terminology
- KINE 305 Drugs in Society
- KINE 308 Motor Development
- KINE 320 Media and Technology in Health Promotion
- KINE 323 Sport and Gender
- KINE 406 Neuroanatomy
- KINE 409 Interdisciplinary Study in Biomechanics
- KINE 446 Echocardiography
- PHYS 122 College Physics II
- PHYS 123 College Physics III
- PSY 201 General Psychology
or PSY 202 General Psychology
- PSY 252 Social Psychology
- PSY 256 Developmental Psychology
- PSY 302 Behavior in Organizations
- PSY 310 Psychology of Death
- PSY 318 Psychology of Aging
- PSY 320 Health Psychology
- PSY 340 Biopsychology
- PSY 350 Teamwork
- RPTA 160 Introduction to Sport Management
- RPTA 255 Leadership and Diverse Groups
- RPTA 275 Facilitation and Teambuilding
- RPTA 450 Resource and Grant Development

Select one concentration 3 18

SUPPORT COURSES

Approved Electives 2
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 161</td>
<td>Introduction to Cell and Molecular Biology (B2 &amp; B4)</td>
<td>4</td>
</tr>
<tr>
<td>BIO 231</td>
<td>Human Anatomy and Physiology I</td>
<td>5</td>
</tr>
<tr>
<td>BIO 232</td>
<td>Human Anatomy and Physiology II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 127</td>
<td>General Chemistry for Agriculture and Life Science I (B3)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 128</td>
<td>General Chemistry for Agriculture and Life Science II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 312</td>
<td>Survey of Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>or CHEM 216</td>
<td>Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>MATH 119</td>
<td>Precalculus Trigonometry (B1)</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 141</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>STAT 218</td>
<td>Applied Statistics for the Life Sciences (B1)</td>
<td>4</td>
</tr>
</tbody>
</table>

**GENERAL EDUCATION (GE)**

(See GE program requirements below.)

<table>
<thead>
<tr>
<th>Area A</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>Expository Writing</td>
</tr>
<tr>
<td>A2</td>
<td>Oral Communication</td>
</tr>
<tr>
<td>A3</td>
<td>Reasoning, Argumentation and Writing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area B</th>
<th>Math, Science, and Quantitative Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1</td>
<td>Mathematics/Statistics (8 units in Support)</td>
</tr>
<tr>
<td>B2</td>
<td>Life Science (4 units in Support)</td>
</tr>
<tr>
<td>B3</td>
<td>Physical Science (4 units in Support)</td>
</tr>
<tr>
<td>B4</td>
<td>One lab taken with either a B2 or B3 course</td>
</tr>
<tr>
<td>B7</td>
<td>Upper-division elective</td>
</tr>
</tbody>
</table>

**Area C | Arts and Humanities**

| Area C elective | Area C elective (Choose one course from C1-C5) | 4 |

<table>
<thead>
<tr>
<th>Area D</th>
<th>Society and the Individual</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>The American Experience (Title 5, Section 40404 requirement)</td>
</tr>
<tr>
<td>D2</td>
<td>Political Economy</td>
</tr>
<tr>
<td>D3</td>
<td>Comparative Social Institutions</td>
</tr>
<tr>
<td>D5</td>
<td>Upper-division elective</td>
</tr>
</tbody>
</table>

**Area E | Lifelong Learning and Self-Development**

| Area E elective | Area E elective (4 units in Major) | 0 |

**Total units**

- 180
- 52

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**Concentrations**

Students may select one of the following concentrations.

- Exercise Science (http://catalog.calpoly.edu/collegesandprograms/collegeofsciencemathematics/kinesiologypublichealth/bskinesiology/exercisescienceconcentration)
- Health Promotion (http://catalog.calpoly.edu/collegesandprograms/collegeofsciencemathematics/kinesiologypublichealth/bskinesiology/healthpromotionconcentration)
- Sport Science (http://catalog.calpoly.edu/collegesandprograms/collegeofsciencemathematics/kinesiologypublichealth/bskinesiology/sportscienceconcentration)

**General Education (GE) Requirements**

- 72 units required, 20 of which are specified in Major and/or Support.
- See the complete GE course listing (http://catalog.calpoly.edu/generalrequirementsbachelorsdegree/#generaleducationtext).
- Minimum of 12 units required at the 300 level.
- Required in Major/Support; also satisfies GE.
- Courses used to satisfy a concentration requirement cannot also double-count towards approved electives.
- Students may have to complete additional coursework to satisfy admission requirements for graduate or professional degree programs in the allied health professions. Students interested in these programs should consult their academic advisor or visit the College of Science and Mathematics Advising Office for more information.

- 1
- 2
- 3

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**Required in Major/Support; also satisfies GE.**

- It is recommended that students pursuing the Sport Science concentration take PHIL 230 or PHIL 231 to fulfill GE Area C2.

- Requirement may be fulfilled if a student takes a GE course to fulfill an approved elective or concentration requirement. If so, the student may need additional units of free electives to complete the total units required for the degree.

- 1
- 2
- 3