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.

<table>
<thead>
<tr>
<th>MAJOR COURSES</th>
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<tbody>
<tr>
<td>KINE 180</td>
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<tr>
<td>KINE 250</td>
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<tr>
<td>or KINE 255</td>
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<tr>
<td>or KINE 260</td>
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<td>KINE 266</td>
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<td>KINE 301</td>
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<td>KINE 303</td>
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<td>KINE 304</td>
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<td>KINE 307</td>
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<td>KINE 312</td>
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<td>KINE 319</td>
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<td>KINE 349</td>
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<td>KINE 401</td>
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<td>KINE 403</td>
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<td>KINE 459</td>
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<td>KINE 460</td>
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<td>or KINE 461</td>
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<tr>
<td>or KINE 462</td>
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<tr>
<td>or KINE 463</td>
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Approved Electives 2

Select from the following:

- 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 & 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 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

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SUPPORT COURSES
**BS Kinesiology**

<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></td>
</tr>
<tr>
<td>MATH 119</td>
<td>Precalculus Trigonometry (B1)</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 141</td>
<td>Calculus</td>
<td>0</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.)

**FREE ELECTIVES**

Free Electives 4

| Total units | 180 |

1 Required in Major/Support; also satisfies GE.
2 Courses used to satisfy a concentration requirement cannot also double-count towards approved electives.
3 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.
4 If a General Education (GE) course is used to satisfy a Major or Support requirement, additional units of Free Electives may be needed to complete the total units required for the degree.

**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.

<table>
<thead>
<tr>
<th>Area A</th>
<th>Communication</th>
<th>Units</th>
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<tbody>
<tr>
<td>A1</td>
<td>Expository Writing</td>
<td>4</td>
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<tr>
<td>A2</td>
<td>Oral Communication</td>
<td>4</td>
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</table>

<table>
<thead>
<tr>
<th>Area B</th>
<th>Math, Science, and Quantitative Reasoning</th>
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<tbody>
<tr>
<td>B1</td>
<td>Mathematics/Statistics (8 units in Support)</td>
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</tr>
<tr>
<td>B2</td>
<td>Life Science (4 units in Support) 1</td>
<td>0</td>
</tr>
<tr>
<td>B3</td>
<td>Physical Science (4 units in Support) 1</td>
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<thead>
<tr>
<th>Area C</th>
<th>Arts and Humanities</th>
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<tbody>
<tr>
<td>C1</td>
<td>Literature</td>
<td>4</td>
</tr>
<tr>
<td>C2</td>
<td>Philosophy</td>
<td>4</td>
</tr>
<tr>
<td>C3</td>
<td>Fine/Performing Arts</td>
<td>4</td>
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<tr>
<td>C4</td>
<td>Upper-division elective</td>
<td>4</td>
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<thead>
<tr>
<th>Area D</th>
<th>Society and the Individual</th>
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<tbody>
<tr>
<td>D1</td>
<td>The American Experience (Title 5, Section 40404 requirement)</td>
<td>4</td>
</tr>
<tr>
<td>D2</td>
<td>Political Economy</td>
<td>4</td>
</tr>
<tr>
<td>D3</td>
<td>Comparative Social Institutions</td>
<td>4</td>
</tr>
<tr>
<td>D5</td>
<td>Upper-division elective</td>
<td>4</td>
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<tr>
<th>Area E</th>
<th>Lifelong Learning and Self-Development</th>
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</thead>
<tbody>
<tr>
<td>E</td>
<td>Lower-division elective (4 units in Major) 1</td>
<td>0</td>
</tr>
</tbody>
</table>

Total units 52

1 Required in Major/Support; also satisfies GE.
2 It is recommended that students pursuing the Sport Science concentration take PHIL 230 or PHIL 231 to fulfill GE Area C2.