**BIOMECHANICS, BACHELOR OF SCIENCE**

**University General Education Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1150</td>
<td>ENGLISH COMPOSITION I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1160</td>
<td>ENGLISH COMPOSITION II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1220</td>
<td>COLLEGE ALGEBRA</td>
<td>3</td>
</tr>
<tr>
<td>CMST 1110</td>
<td>PUBLIC SPEAKING FUNDS</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 2120</td>
<td>ARGUMENTATION AND DEBATE</td>
<td></td>
</tr>
</tbody>
</table>

Writing in the Discipline in the Major (0 credit hours) This requirement is satisfied by writing required in:

- BMCH 4630 | BIOMECHANICS
- PE 4940  | PHYSIOLOGY OF EXERCISE

**Distribution Requirements**

- Natural & Physical Sciences (minimum 7 credit hours from at least two different disciplines and with at least one laboratory course)
- Humanities and Fine Arts (9 credit hours taken from at least two different disciplines/curriculum designations)
- Social and Behavioral Sciences (9 credit hours taken from at least two different disciplines/curriculum designations)

**Cultural Diversity**

- Cultural Diversity coursework may satisfy distribution requirements in Humanities/Fine Arts or in Social/Behavioral Sciences: Global (minimum 3 credit hours)
- US (minimum 3 credit hours)

Total Credits: 43

**NOTE:** 14 hours from the professional core fulfilling the University General Education requirements include: eight hours in natural/physical sciences, three hours in mathematics (MATH 1320 will supersede MATH 1220), and three hours in the social/behavioral sciences (PSYC 1010). The 120 hour degree also assumes that students select coursework in humanities/fine arts area and the social/behavioral sciences area that satisfy requirements for U.S. diversity and global diversity.

**Required Professional Core Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1450</td>
<td>BIOLOGY I 1</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 1750</td>
<td>BIOLOGY II</td>
<td>5</td>
</tr>
<tr>
<td>BMCH 2400</td>
<td>HUMAN PHYSIOLOGY &amp; ANATOMY I 1</td>
<td>4</td>
</tr>
<tr>
<td>BMCH 2500</td>
<td>HUMAN PHYSIOLOGY AND ANATOMY II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1180 &amp; CHEM 1184</td>
<td>GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1190 &amp; CHEM 1194</td>
<td>GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2110 &amp; PHYS 1154</td>
<td>GENERAL PHYSICS I - CALCULUS LEVEL and GENERAL PHYSICS LABORATORY I 1</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 2120 &amp; PHYS 1164</td>
<td>GENERAL PHYSICS-CALCULUS LEVEL and GENERAL PHYSICS LABORATORY II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 1320</td>
<td>PRE-CALCULUS ALGEBRA 2</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1330</td>
<td>TRIGONOMETRY</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1950</td>
<td>CALCULUS I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 1960</td>
<td>CALCULUS II</td>
<td>5</td>
</tr>
<tr>
<td>PSYC 3130</td>
<td>STATISTICS FOR THE BEHAVIORAL SCIENCES</td>
<td>3</td>
</tr>
</tbody>
</table>

**Behavioral Science**

- PSYC 1010 | INTRODUCTION TO PSYCHOLOGY I 3 |
- PSYC 4440 | ABNORMAL PSYCHOLOGY |

**Movement Sciences Core**

- BMCH 1000 | INTRODUCTION TO BIOMECHANICS |
- BMCH 1100 | ETHICS OF SCIENTIFIC RESEARCH |
- BMCH 2200 | ANALYTICAL METHODS IN BIOMECHANICS |
- BMCH 3000 | BIOMECHANICAL STATICS & DYNAMICS |
- BMCH 4100 | BIOINSPIRED ROBOTICS |
- BMCH 4630 | BIOMECHANICS |
- BMCH 4640 | ORTHOPEDIC BIOMECHANICS |
- BMCH 4650 | NEUROMECHANICS OF HUMAN MOVEMENT |

**Practica**

- BMCH 4200 | METHODS IN BIOMECHANICS I |
- BMCH 4210 | METHODS IN BIOMECHANICS II |
- BMCH 4980 | CAPSTONE DESIGN IN BIOMECHANICS I |
- BMCH 4990 | CAPSTONE DESIGN IN BIOMECHANICS II |

Total Credits: 99

1. Eight hours of courses marked can be counted in fulfilling university general education requirements in the natural science distribution area.
2. Three hours for College Algebra exceeds the MATH 1220 course required in general education.
3. Three hours for Introduction to Psychology can be counted in fulfilling university general education requirements in the social/behavioral science distribution area.