BIOMEDICAL ENGINEERING - MINOR

The biomedical engineering minor is open to undergraduate students rostered in the College of Engineering and Applied Science who are interested in an exciting, multidisciplinary field that lies at the interface of medicine, biology and engineering.

Biomedical engineers use engineering principles to analyze and solve problems in biology and medicine, providing an overall enhancement to healthcare. At the same time, biomedical engineers employ concepts learned from biology and medicine to generate new engineering designs.

Current research in biomedical engineering focuses on innovative areas such as biomechanics, biomaterials, medical devices and imaging.

For more information, visit the college’s Minor in Biomedical Engineering (https://www.colorado.edu/bme/academics/minor-program/) webpage.

Requirements

Course Requirements

Completion of 18 credit hours (6 courses) is required for the minor, distributed as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMEN 2000</td>
<td>Introduction to Biomedical Engineering 1</td>
<td>3</td>
</tr>
<tr>
<td>Five elective courses 2</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

Starting in Fall 2021, this course will require a pre-requisite course of Biology (MCDB 1150, CHEN 2810, EBIIO 1210 or EBIIO 1220). Students should consult their major advisor to discuss how this may impact their graduation plan.

For more information and a list of approved electives, visit the college’s Minor in Biomedical Engineering (https://www.colorado.edu/bme/academics/minor-program/) webpage.

Requirements for the minor are met by completing the required gateway course and 5 of the electives identified below. Here are additional guidelines regarding the requirements:

- At least four of the courses must be upper-division (3000 or higher level).
- Up to three courses can be taken outside of engineering (i.e. IPHY, MCDB, PHIL).
- Relevant Independent Study coursework can be petitioned.
- 5000-level courses are allowed where undergraduate students are eligible to enroll.
- Prior coursework may be transferred from other institutions with approval.
- At least three courses need to be taken on the CU Boulder campus, at least two of which must be at the upper-division level.

Grade Requirements

A grade point average (GPA) of 2.250 or better is required in the courses that are used to satisfy the requirements for this minor. Each individual course that is counted towards these degree requirements must be passed with a D- or better. Note, however, that a C- or better is required in all prerequisite courses to move on to a subsequent course.