BIOMEDICAL ENGINEERING, MINOR

Saint Louis University’s minor in biomedical engineering allows students to see how the biological and medical sciences can intersect with engineering to improve patient quality of life.

Students minoring and biomedical engineering at SLU also have an opportunity to see firsthand how interdisciplinary the field is and the role that their primary major can play in the development of medical technologies. In addition, the minor provides occupational awareness to students who may not know how medical technologies are created or what job opportunities are available in the field.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BME 2200</td>
<td>Applied Physiology for Engineers</td>
<td>3</td>
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<tr>
<td>or PPY 2540</td>
<td>Human Physiology</td>
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Basic Biomedical Engineering Courses

Select a maximum of 2 courses from the following:

BME 2000 Biomedical Engineering Computing
BME 3100 Signals
BME 3150 Biomedical Instrumentation
BME 3200 Mechanics
BME 3300 Transport Fundamentals
BME 3400 Materials Science

Advanced Biomedical Engineering Courses

Select a minimum of 3 courses and a maximum of 5 courses from the following:

BME 4100 Biomedical Signals
BME 4130 Medical Imaging
BME 4150 Brain Computer Interface
BME 4200 Biomechanics
BME 4210 Human Movement Biomechanics
BME 4300 Biotransport
BME 4320 Drug Delivery
BME 4400 Biomaterials
BME 4410 Tissue Engineering
BME 4430 Regenerative Engineering
BME 4600 Quantitative Physiology I
BME 4650 Quantitative Physiology II

Total Credits 18

To initiate a minor in biomedical engineering, a student must file a "Minor in BME" plan with the Department of Biomedical Engineering after meeting with a biomedical engineering faculty member to discuss the minor courses and their prerequisites. The "Minor in BME" form serves as a planning tool and will be on file in the biomedical engineering department and with the student’s academic advisor in the major area. The completion of a minor in biomedical engineering must be certified by the chair of the biomedical engineering program coordinator as part of the graduation check.

Continuation Standards

- The grades in all biomedical engineering minor courses must be "C-" or better.
- Students must maintain a minimum 2.00 GPA.