MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/policiesandrequirementstext), in addition to the program requirements listed below.

NAMED OPTION REQUIREMENTS

MODE OF INSTRUCTION

<table>
<thead>
<tr>
<th>Mode of Instruction</th>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Mode of Instruction Definitions

Accelerated: Accelerated programs are offered at a fast pace that condenses the time to completion. Students are able to complete a program with minimal disruptions to careers and other commitments.

Evening/Weekend: Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

Face-to-Face: Courses typically meet during weekdays on the UW-Madison Campus.

Hybrid: These programs combine face-to-face and online learning formats. Contact the program for more specific information.

Online: These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

CURRICULAR REQUIREMENTS

Requirements Detail

Minimum Credit Requirement 30 credits
Minimum Residence Credit Requirement 16 credits
Coursework Requirement Minimum 15 credits must be graduate-level coursework. Details can be found in the Graduate School's Minimum Graduate Coursework (50%) policy (https://policy.wisc.edu/library/UW-1244 (https://policy.wisc.edu/library/UW-1244/)).
Overall Credit Requirement 3.00 GPA required.
Graduate GPA Requirement This program follows the Graduate School's GPA Requirement policy (https://policy.wisc.edu/library/UW-1203 (https://policy.wisc.edu/library/UW-1203/)).

Other Grade Requirements n/a
Assessments and Examinations There are no degree-specific assessments and examinations outside of those given in individual courses.
Language Requirements n/a

REQUIRED COURSES

Specific course selection is very flexible and draws upon a variety of courses. The required coursework is designed to complement each student’s interests and background in biomedical engineering.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research (such as B M E 790)</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Coursework</td>
<td></td>
<td>24</td>
</tr>
</tbody>
</table>

Two semesters of B M E 701 Seminar in Biomedical Engineering
At least 12 credits of College of Engineering courses, 400 level or above
At least 15 credits, 400 level or above, in one area of specialization
At least 3 credits of bioscience from the following list (or other bioscience course with advisor approval):

- ANAT&PHY 335 Physiology
- ANAT&PHY 435 Fundamentals of Human Physiology
- BIOCHEM 501 Introduction to Biochemistry
- CRB 640 Fundamentals of Stem Cell and Regenerative Biology
- CRB 650 Molecular and Cellular Organogenesis
- CRB/B M E 670 Biology of Heart Disease and Regeneration
- NTP/NEURODPT 610 Cellular and Molecular Neuroscience
- ZOOLOGY/BIOCHEM/PHMCOL-M 630 Cellular Signal Transduction Mechanisms
- ZOOLOGY/PSYCH 523 Neurobiology
- BIOCHEM/GENETICS/MICROBIO 612 Prokaryotic Molecular Biology
- BIOCHEM/GENETICS/MD GENET 620 Eukaryotic Molecular Biology
- ONCOLOGY 401 Introduction to Experimental Oncology
- M M & I/PATHBIO 528 Immunology
- PATH 750 Cellular and Molecular Biology/Pathology
- ZOOLOGY 625 Development of the Nervous System
- NEUROL/NTP 735 Neurobiology of Disease
### Biomedical Engineering: Research, M.S.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOOLOGY 570</td>
<td>Cell Biology</td>
<td>30</td>
</tr>
</tbody>
</table>

Areas of specialization are defined by the student and faculty advisor in relation to each student's research. Please keep written communication (emails are acceptable) of approvals from your faculty advisor.