MASTER OF ENGINEERING IN BIOINSTRUMENTATION

Bioengineering
bioengineering.illinois.edu (http://www.bioen.illinois.edu)

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Major: Bioinstrumentation
Degrees Offered: M.Eng.

Graduate Degree Programs
The Department of Bioengineering offers studies leading to the Master of Engineering in Bioinstrumentation. For more information, visit bioinstrumentation.illinois.edu (http://bioinstrumentation.illinois.edu).

Admission
For the M.Eng. program, applicants should have an undergraduate engineering degree or must have taken engineering-related coursework. Applicants should have a minimum grade point average of 3.00 (A = 4.00) or equivalent for the last two years of undergraduate study. Applicants should show evidence of strong quantitative skills and of serious interest in the life sciences. In addition, applicants must submit results from the Graduate Record Examination (GRE) (http://www.ets.org) general test. Students in the program are not expected to continue in and do not have automatic admission to the Ph.D. program in any engineering department.

All applicants whose native language is not English must submit a minimum TOEFL (http://www.toefl.org) score of 103 (iBT), 257 (CBT), or 613 (PBT); or minimum International English Language Testing System (IELTS) (http://www.ielts.org) academic exam scores of 7.0 overall and 6.0 in all subsections. Applicants may be exempt from the TOEFL if certain criteria (http://grad.illinois.edu/admissions/instructions/04c) are met. Applicants with lesser scores may still apply. Limited status (http://grad.illinois.edu/admissions/instructions/04c) is granted for lesser scores and requires enrollment in English as a Second Language (ESL) courses (http://linguistics.illinois.edu/students/esl/guidelines) based on an ESL Placement Test (EPT) taken upon arrival to campus.

Degree Requirements
*For additional details and requirements for all degrees, please refer to the department’s Graduate Studies Web site (http://bioen.illinois.edu/graduate/grad_requirements.html) and the Graduate College Handbook (http://grad.illinois.edu/gradhandbook).

Master of Engineering, Bioinstrumentation

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOE 570</td>
<td>Bioinstrumentation Seminar</td>
<td>2</td>
</tr>
<tr>
<td>BIOE 571</td>
<td>Biological Measurement I</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 572</td>
<td>Biological Measurement II</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 573</td>
<td>Biomedical Systems Engineering</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 574</td>
<td>Bioinstrument Innovation</td>
<td>4</td>
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<td>Track Electives ¹</td>
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<tr>
<td>BIOE 575</td>
<td>Bioinstrumentation Project</td>
<td>6</td>
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<tr>
<td>Free Elective</td>
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Minimum Hours Overall Required Within the Unit:
Maximum 500-level Hours Required Overall:
Other Requirements:*

Total Hours 40

¹ courses from approved list

Financial Aid
The tuition and fees for the M.Eng. in Bioinstrumentation are different from the standard university tuition rates. For tuition information and external funding resources, please visit http://bioinstrumentation.illinois.edu/admissions/tuition-fees.html. Students in the Bioinstrumentation major for the M.Eng. degree are not eligible for tuition waivers through research assistantships or teaching assistantships.