BIOENGINEERING

http://bioengineering.illinois.edu

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Major: Bioengineering
Degrees Offered: M.Eng., M.S., Ph.D.

Graduate Concentrations: Biomechanics, Cancer Nanotechnology

Degree Requirements

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

Faculty Research Interests

Bioengineering faculty perform research in the areas of Bio-Imaging at Multi-Scale, Molecular, Cellular and Tissue Engineering, Bio-Micro and Nanotechnology, Computational and Systems Bioengineering, and Synthetic Bioengineering. In addition to Bioengineering faculty (http://bioengineering.illinois.edu(directory)), Department of Bioengineering has more than 50 affiliate faculty (http://bioengineering.illinois.edu/ directory).

Financial Aid

For the M.S. and Ph.D. programs, qualified students may apply for financial aid in the form of fellowships, teaching and research assistantships, and waivers of tuition and service fees. All applicants, regardless of U.S. citizenship, whose native language is not English and who wish to be considered for teaching assistantships must demonstrate spoken English language proficiency (http://grad.illinois.edu/admissions/ taengprof.htm) by achieving a minimum score of 24 on the speaking subsection of the TOEFL iBT or 8 on the speaking subsection of the IELTS. For students who are unable to take the iBT or IELTS, a minimum score of 4CP is required on the EPI test (http://cts.illinois.edu/testing/oral_eng/epi_overview.html), offered on campus. All new teaching assistants are required to participate in the Graduate Academy for College Teaching (http://cts.illinois.edu/programs/ta_train.html) conducted prior to the start of the semester.

Please see the financial aid eligibility for the M.Eng. in Bioengineering under the "Masters" tab.

Other Requirements and Conditions

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<tbody>
<tr>
<td>Minimum program GPA:</td>
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A Masters degree is required for admission to the Ph.D. program.

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Qualifying exam

Preliminary exam
Final exam and dissertation defense
Dissertation deposit

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2 Qualifying Examination information (http://bioengineering.illinois.edu/graduate-programs/current-graduate-students/qualifying-exam)

Entering with B.S. degree

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOE 599</td>
<td>Thesis Research (min-max applied toward degree)</td>
<td>55</td>
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500-level BioE courses: See approved list 21
Elective courses: At least 12 hours must be engineering graduate-level courses. See website for more details.

Total hours 96

Other Requirements and Conditions 1

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• Graduate Concentration in Biomechanics (http://catalog.illinois.edu/graduate/graduate-majors/bio-engin/conc-biomechanics)
• Master of Science in Bioinformatics, Bioengineering Concentration (http://catalog.illinois.edu/graduate/graduate-majors/bio-engin/ms-bioinfo-conc-bioeng)
• Graduate Concentration in Cancer Nanotechnology (http://catalog.illinois.edu/graduate/graduate-majors/bio-engin/grad-conc-cancer-nanotechnology)

Information listed in this catalog is current as of 08/2019