PhD in Bioengineering

Admission Requirements
Applicants are considered on an individual basis. In addition to the Graduate College minimum requirements, applicants must meet the following program requirements:

• **Baccalaureate Field** Physical sciences, engineering, computer science, mathematics, biology, or medicine. Students must have completed math through Calculus I (MATH 180), Calculus II (MATH 181), Calculus III (MATH 210), Differential Equations (MATH 220), and Applied Linear Algebra (MATH 310) prior to entering the program.

• **Grade Point Average** At least 3.00/4.00 for the final 60 semester (90 quarter) hours of undergraduate study.

• **Tests Required** GRE General, quantitative reasoning percentile rank above 50%.

• **Minimum English Competency Test Score**
  - TOEFL 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 (iBT Internet-based); 60, with subscores of Reading 19, Listening 17, Writing 21 (New Paper-Based—after August 2018); 550 (Institutional Testing Paper-Based—prior to August 2018), OR,
  - IELTS 6.5, with subscores of 6.0 for all four subscores, OR,
  - PTE-Academic 54, with subscores of Reading 51, Listening 47, Speaking 53, and Writing 56.

• **Letters of Recommendation** Three required.

• **Personal Statement** Required.

• **Deadlines** Application deadlines (http://grad.uic.edu/deadlines) for this program are listed on the Graduate College website, including deadline for applicants who require funding.

Degree Requirements
In addition to the Graduate College minimum requirements, students must meet the following program requirements:

• **Minimum Semester Hours Required** 108 from the baccalaureate.

• **Course Work** Students admitted with a prior master’s degree in bioengineering or a related field must complete a minimum of 24 hours of course work, at least 12 hours of which must be bioengineering courses. At least 12 hours must be at the 500-level, excluding BIOE 595, BIOE 596, and BIOE 599. Limited credit hours in BIOE 596 are allowed upon department approval. A maximum of 4 hours of BIOE 590 may be applied toward the degree, provided credit for BIOE 590 or a similar course was not applied toward the prior MS degree.

  Students admitted with a bachelor’s degree in bioengineering or a related field must complete a minimum of 48 hours of course work. At least 24 hours must be bioengineering courses. At least 20 hours must be at the 500-level, excluding BIOE 595, BIOE 596, and BIOE 599. A maximum of 4 hours of BIOE 590 may be applied toward the degree.

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIOE 595</td>
<td>Seminar on Bioengineering (1 hour)</td>
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Additional required courses vary by area of study; contact the department for the specific requirements of each area.

• **Examinations**
  - Departmental Qualifying Examination: Not required.
  - Preliminary Examination: Required.

• **Dissertation** Required. Students must earn at least 60 semester hours in BIOE 599.

Interdepartmental Concentration in Neuroscience
Doctoral students may pursue the Interdepartmental Concentration in Neuroscience. Refer to Interdepartmental Concentration in Neuroscience (http://catalog.uic.edu/gcat/graduate-college/neus-conc) in the Graduate College section for more information.