## Biomedical Engineering (PhD)

### Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<tr>
<td></td>
<td>52 hour minimum</td>
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<tr>
<td>BME 802</td>
<td>Advanced Seminar in Biomedical Engineering (each semester (except the semester prior to graduation))</td>
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<td>or BME 890 Doctoral Preliminary Examination</td>
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<td></td>
<td>Biology/Medicine: A two semester sequence covering core aspects of relevant biology and physiology</td>
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<td>Engineering: 6 hours</td>
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<td>Graduate-level mathematics: 3 hours</td>
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<td>Graduate-level statistics: 3 hours</td>
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<td>Scientific/Technical Electives: 9 hours minimum</td>
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<td>Dissertation Research: 6 hours minimum</td>
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**Total Hours** 52

### Faculty

#### Department Chair
Paul Dayton

#### Associate Chairs
Lianne Cartee, *Associate Chair for Education*
Shawn Gomez, *Associate Chair for Research*

#### Directors
Lianne Cartee, *Director of Undergraduate Studies*
Matthew Fisher, *Director of Graduate Studies*

#### Associate Director
Naji Hussein, *Associate Director of Undergraduate Studies*

### Distinguished Professors
- Lianne Cartee, *Alumni Distinguished Undergraduate Professor*
- Paul Dayton, *William R. Kenan Jr. Distinguished Professor*
- He (Helen) Huang, *Jackson Family Distinguished Professor*
- H. Troy Nagle Jr.
- Roger Narayan
- Koji Sode, *William R. Kenan Jr. Distinguished Professor*

### Professors
- Lianne Cartee
- Paul A. Dayton
- Caterina M. Gallippi
- Shawn Gomez
- Leaf Huang
- H. Troy Nagle Jr.
- Weili Lin
- J. Michael Ramsey
- George (Rick) Stouffer

### Associate Professors
- Ashley Brown
- Yevgeny Brudno
- Jacqueline Cole
- Michael Daniele
- Bob Dennis
- Kenneth Donnelly
- Oleg Favorov
- Matthew Fisher
- Jason Franz
- Donald Freytes
- Michael Gamcsik
- David Hill
- Devin Hubbard
- Naji Hussein
- Derek Kamper
David Lalush
Jeffrey Macdonald
Scott Magness
Matthew Penny
Gianmarco Pinton
Nitin Sharma
Mark Tommerdahl
Anka Veleva
Bruce Wiggin
David Zaharoff

Lecturers
Sidhartha Jandhyala
Nick Jardine

Assistant Professors
Amy Adkins
Pritha Agarwalla
Wen Yih Aw
Rahima Benhabbour
Joseph Burclaff
Melissa Caughey
Silvia Ceballos
Brian Diekman
Alon Greenbaum
Michael Jay
Kennita Johnson
Jinwook Kim
Wesley Legant
Ming Liu
Virginie Papadopoulou
Ross Petrella
William Polacheck
Imran Rizvi
Francisco Santibanez
Sarah Shelton
James Tsuruta