## Biomedical Engineering (PhD)

### Degree Requirements

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

**Total Hours**: 52

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### Faculty

#### Full Professors

- Ke Cheng
- Paul A. Dayton
- Caterina M. Gallippi
- Shawn Gomez
- Edward Grant
- He (Helen) Huang
- Frances Smith Ligler
- H. Troy Nagle Jr.
- Roger Jagdish Narayan
- J. Michael Ramsey
- Koji Sode

#### Assistant Professors

- Jacqueline Heather Cole-Husseini
- Michael Daniele
- Matthew Bruce Fisher
- Michael Gamcsik
- Derek Gary Kamper
- David S. Lalush
- Jeffrey M. Macdonald
- Scott Magness
- Gianmarco Francesco Pinton
- Nitin Sharma
- Mark A. Tommerdahl
- David Alexander Zaharoff

#### Associate Professors

- Ted Bateman

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#### Assistant Professors

- Soumya Rahima Benhabbour
- Ashley Carson Brown
- Yevgeny Brudno
- Brian Diekman
- Jason Franz
- Donald (Danny) Freytes
- Andrea Giovannucci
- Xiaogang Hu
- Alon Greenbaum
- Wesley Legant
- Imran Rizvi
- Michael Sano

#### Practice/Research/Teaching Professors

- Lianne A. Cartee
- Kenneth Donnelly
- Oleg V. Favorov
- Devin Hubbard
- Naji Hussein
- George Todd Ligler
- Ross Petrella
Anka Veleva