## 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>
</tr>
<tr>
<td>or</td>
<td>BME 890 Doctoral Preliminary Examination</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 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**

### Faculty

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

#### Associate Professors
- Ted Bateman
- Jacqueline Heather Cole-Husseini
- Michael Daniele
- Robert G. Dennis
- Matthew Bruce Fisher
- Michael Gamcsik
- Derek Gary Kamper
- David S. Lalush
- Jeffrey M. Macdonald
- Scott Magness
- Gianmarco Francesco Pinton
- Nilin Sharma
- Mark A. Tommerdahl
- David Alexander Zaharoff

#### Assistant Professors
- Imran Rizvi
- Soumya Rahima Benhabbour
- Ashley Carson Brown
- Yevgeny Brudno
- Brian Diekman
- Jason Franz
- Donald (Danny) Freytes
- Andrea Giovannucci
- Xiaogang Hu
- Alon Greenbaum
- Kennita Adrian Johnson
- Wesley Legant
- Ming Liu
- William Polacheck
- Imran Rizvi
- Michael Sano
Practice/Research/Teaching Professors

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