# Biomedical Engineering (PhD)

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
</table>
| BME 802 | Advanced Seminar in Biomedical Engineering (each semester except the semester prior to graduation))  
or BME 890 Doctoral Preliminary Examination | 52    | 52                   |
|      | 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
- Frances Smith Ligler
- H. Troy Nagle Jr.
- Roger Jagdish Narayan
- J. Michael Ramsey
- Koji Sode

### Assistant Professors
- 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
- Nitin Sharma
- Mark A. Tommerdahl
- David Alexander Zaharoff

### Associate Professors
- Ted Bateman

### 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
- 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