Biomedical Engineering (PhD)

Degree Requirements

| Code     | Title                                                               | Hours |
|----------|                                                                    |       |
|          | 52 hour minimum                                                     |       |
|          | **BME 802** Advanced Seminar in Biomedical Engineering (each semester (except the semester prior to graduation)) or BME 890 Doctoral Preliminary Examination |       |
|          | 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
- Shawn Gomez
- Edward Grant
- He (Helen) Huang
- Frances Smith Ligler
- H. Troy Nagle Jr.
- Roger Jagdish Narayan
- J. Michael Ramsey
- Koji Sode

**Associate Professors**
- Ted Bateman
- Robert G. Dennis
- Caterina M. Gallippi
- Michael Gamcsik
- Derek Gary Kamper
- David S. Lalush
- Jeffrey M. Macdonald
- Scott Magness

Gianmarco Francesco Pinton
Litin Sharma
Mark A. Tommerdahl
David Alexander Zaharoff

**Assistant Professors**
- Soumya Rahima Benhabbour
- Ashley Carson Brown
- Yevgeny Brudno
- Jacqueline Heather Cole-Husseini
- Michael Daniele
- Brian Diekman
- Matthew Bruce Fisher
- 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
- Richard L. Goldberg
- Devin Hubbard
- Naji Hussein
- George Todd Ligler
- Hatice Orun Ozturk
- Ross Petrella
- Anka Veleva