## 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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</thead>
<tbody>
<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</td>
<td>Doctoral Preliminary Examination</td>
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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

### 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

Lecturer

Sidhartha Jandhyala