# Biomedical Engineering (MS): MedTech Innovation and Entrepreneurship Concentration

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards Core Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>BME 501</td>
<td>Biomedical Innovation and Entrepreneurship I - Needs Discovery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BME 502</td>
<td>Biomedical Innovation and Entrepreneurship II - Design and Regulation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MBA 576</td>
<td>Technology Entrepreneurship and Commercialization I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BME 551</td>
<td>Medical Device Design</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BEC 575</td>
<td>Global Regulatory Affairs for Medical Products</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BME 503</td>
<td>Biomedical Innovation and Entrepreneurship III - Product Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MBA 577</td>
<td>Technology Entrepreneurship and Commercialization II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MBA 572</td>
<td>Venture Opportunity Analytics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Technical Elective Course**
Select a minimum of three credit hours of 500-level or 700-level technical coursework from the following course prefixes: BME, CHE, CE, ECE, ISE, MSE, MAE, or NE as approved in conjunction with the program advisor.

*Other graduate courses in applied or technical fields at NC State or UNC-Chapel Hill as approved in conjunction with the program advisor.*

**Total Hours**
30

## 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
- Nitin 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