Master of Science in Bioengineering
Track: Bioimaging

Students entering SP12 to present

Track Director: Xinmai Yang, Ph.D. (xmyang@ku.edu)

**CORE**
- 6 hours required

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPE 756</td>
<td>Intro to Bioengineering (3)</td>
</tr>
<tr>
<td>BIOE 800</td>
<td>Bioengineering Colloquium (.5) (2 total hours req)</td>
</tr>
<tr>
<td>BIOE 801</td>
<td>Responsible Conduct of Research in Engineering (1)</td>
</tr>
</tbody>
</table>

**DEPTH**
- 9 hours minimum

Choose appropriate courses with advisor from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPLH 764</td>
<td>Seminar in ____/PHSL 838 Advanced Topics in ____ (1-3)</td>
</tr>
<tr>
<td>PHSL 848</td>
<td>Fundamentals of Biomedical Imaging (3)</td>
</tr>
<tr>
<td>PHSL 801-8</td>
<td>Anatomy and Physiology (1-4)</td>
</tr>
<tr>
<td>ME 752</td>
<td>Acoustics</td>
</tr>
<tr>
<td>ME 754</td>
<td>Biomedical Optics</td>
</tr>
<tr>
<td>ME 758</td>
<td>Physiological Systems</td>
</tr>
<tr>
<td>EECS 744</td>
<td>Digital Signal Processing (3)</td>
</tr>
<tr>
<td>EECS 740</td>
<td>Digital Image Processing (3)</td>
</tr>
<tr>
<td>EECS 721</td>
<td>RF Engineering/Antennas (3)</td>
</tr>
<tr>
<td>CPE 778</td>
<td>Applied Optimization Techniques (3)</td>
</tr>
<tr>
<td>EECS 869</td>
<td>Information Theory and Coding (3)</td>
</tr>
<tr>
<td>BIOL 943</td>
<td>Multivariate Data Analysis (3)</td>
</tr>
<tr>
<td>EECS 781</td>
<td>Numerical Analysis I (3)</td>
</tr>
<tr>
<td>EECS 782</td>
<td>Numerical Analysis II (3)</td>
</tr>
</tbody>
</table>

**BREADTH**
- 9 hours minimum

Choose appropriate courses from the Master Breadth Course List.

**RESEARCH**
- 6 hours minimum

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOE 899</td>
<td>Independent Investigation (Thesis)</td>
</tr>
</tbody>
</table>

*These hours are taken under your advisor/committee chair.*

**MINIMUM HOURS REQUIRED FOR DEGREE:** 30