<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>CRN</th>
<th>Time</th>
<th>Day</th>
<th>Location</th>
<th>Instructor</th>
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<td>BIOE 101</td>
<td>Introduction to Bioengineering</td>
<td>3</td>
<td>None</td>
<td>34405</td>
<td>9:30 AM-10:45 AM</td>
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<td>Bioengineering Freshman Seminar</td>
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<td>None</td>
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<td>Modeling Physiological Data &amp; Systems</td>
<td>3</td>
<td>BIOS 100; and MATH 180; and CS 109</td>
<td>34406</td>
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<td>Clinical problems in BIOE</td>
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<td>35795</td>
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<td>BIOE 325</td>
<td>Biotransport</td>
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<td>BIOE 339</td>
<td>Biostatistics I</td>
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<td>MATH 210; and CS 109</td>
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<td>BIOE 397</td>
<td>Senior Design II</td>
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<td>BIOE 396</td>
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<td>BIOE 399</td>
<td>Professional Development for Bioengineers</td>
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<td>BIOE 410</td>
<td>FDA and ISO Requirements for the Development and Manufacturing of Medical Devices</td>
<td>3U/4G</td>
<td>BIOS 100; and BIOE 250</td>
<td>31400/31401</td>
<td>8:00 AM-9:15 AM</td>
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<td>BIOE 422</td>
<td>Magnetic Resonance Imaging</td>
<td>3U/4G</td>
<td>BIOE 310 or ECE 310; Junior standing or above or instructor consent</td>
<td>39675/39676</td>
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<td>BIOE 423</td>
<td>Biomedical Imaging Laboratory I</td>
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<td>Credit or concurrent req in BIOE 421; Hybrid course: on-campus sessions require laptop with Mathlib software installed</td>
<td>39471</td>
<td>9:00 AM-11:50 PM</td>
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<td>Bioinstrumentation and Measurements I</td>
<td>3U/4G</td>
<td>BIOS 100, and ECE 115 or ECE 210; and BIOE 310</td>
<td>25088/25089</td>
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<td>Bioinstrumentation and Measurement Laboratory</td>
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<td>Biocore</td>
<td>3U/4G</td>
<td>BIOE 310</td>
<td>32338/32339</td>
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<td>Intro to Cell and Tissue Engineering</td>
<td>3U/4G</td>
<td>CMEE 260; and BIOS 443 or BIOS 452</td>
<td>14168/31904</td>
<td>9:30 AM-10:45 AM</td>
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<td>Bio-Optics</td>
<td>3U/4G</td>
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<td>29143/29144</td>
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<td>BIOE 475</td>
<td>Neural Engineering I: Introduction to Hybrid Neural Systems</td>
<td>3U/4G</td>
<td>BIOE 472 or instructor consent</td>
<td>25626/25627</td>
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<td>Wearables and Nearable Technology Laboratory</td>
<td>3U/4G</td>
<td>Junior standing or above and instructor consent</td>
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<td>BIOE 494</td>
<td>Human Factors Engineering for Medical Devices</td>
<td>3U/4G</td>
<td>Credit or concurrent req in BIOE 397</td>
<td>31403/31533</td>
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<td>BIOE 495</td>
<td>MRI in Practice</td>
<td>3U/4G</td>
<td>BIOE 421 or permission of instructor</td>
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<td>Biomedical Computer Vision</td>
<td>3U/4G</td>
<td>Junior standing or above</td>
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<td>Advanced Biomedical Computer Vision</td>
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