MS ENGINEERING, SPECIALIZATION IN BIOENGINEERING

NOTE: Applications to the Bioengineering Specialization are not currently being accepted. Contact the College of Engineering for further information.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 551</td>
<td>Advanced Topics in Bioengineering</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 581</td>
<td>Biochemical Engineering</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 599</td>
<td>Design Project (Thesis)</td>
<td>9</td>
</tr>
<tr>
<td>MATE 530</td>
<td>Biomaterials</td>
<td>4</td>
</tr>
</tbody>
</table>

Select from the following: 12

- CSC 471 Introduction to Computer Graphics
- CSC 473 Advanced Rendering Techniques
- CSC 474 Computer Animation
- ENGR 451 Special Topics in Bioengineering
- ENVE 443 Bioremediation Engineering
- ENVE 536 Biological Wastewater Treatment Engineering
- IME 507 Graduate Seminar
- MATE 425 Corrosion Engineering
- ME 401 Stress Analysis
- ME 504 Finite Element Analysis
- ME 552 Advanced Heat Transfer I
- ME 553 Advanced Heat Transfer II
- ME 554 Computational Heat Transfer
- ME 556 Advanced Heat Transfer III
- STAT 419 Applied Multivariate Statistics
- STAT 511 Statistical Methods
- STAT 542 Statistical Methods for Engineers

Approved Engineering Electives

Electives 12

Total units 45