Coursework Required of Biotechnology Majors

Lower Division Preparation for the Major (50-51 units):

- CHEM 150+150L   General Chemistry    5
- BIOL 210   Intro to Cellular and Molecular Biology  4
- BIOL 211   Intro to Organismal and Population Biology  4
- BIOL 215   Experimental Design and Statistics  4
- CHEM 201+201L  Organic Chemistry  5
- CHEM 202   Organic Chemistry  3
- CHEM 250   Quantitative Chemistry  3
- MATH 160   Calculus with Applications I  5
- PHYS 205   Physics for Biological Sciences I  4
- PHYS 206   Physics for Biological Sciences II  4
- PSYC 100 or SOC 101  Intro Psychology or Intro Sociology  3-4
- ACCT 201   Intro to Financial Accounting  3
- ACCT 202   Intro to Managerial Accounting  3

Upper Division Requirements (23 units):

- BIOT 355   Molecular Biotechnology  4
- BIOT 356   Cellular Biotechnology  4
- BIOT 357   Foundations of Biotechnology  2
- BIOT 460   Scientific Communication in Biotechnology  3
- CHEM 341 or CHEM 351 General Biochemistry or Biochem I  3
- MGMT 302   Foundations of Management  2
- MKTG 302   Foundations of Marketing  2
- PHIL 315 or 340 or 345  Ethics  3

Upper Division Electives (Select a minimum of 11 units):

- BIOL 352   Genetics  4
- BIOL 353   Comparative Animal Physiology  4
- BIOL 367   Biology of Microorganisms  4
- BIOL 477   Immunology  3
- BIOL 489   Intro to Lab/Field Research  2
- BIOL 503   Modern Molecular Biology and Genomics  4
- BIOT 358   Computer Skills for Biotechnology  3
- BIOT 420   Plant Biotechnology  3
- BIOT 450   Medical Biotechnology  3
- BIOT 497   Internship in Biotechnology  4
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOT 498</td>
<td>Stem Cell Internship</td>
<td>12</td>
</tr>
<tr>
<td>CHEM 351L</td>
<td>Biochemistry Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 352</td>
<td>Biochemistry II</td>
<td>3</td>
</tr>
<tr>
<td>FIN 302</td>
<td>Foundations of Finance</td>
<td>2</td>
</tr>
<tr>
<td>MGMT 415</td>
<td>Human Resource Management</td>
<td>4</td>
</tr>
<tr>
<td>MGMT 452</td>
<td>Leadership in Organizations</td>
<td>4</td>
</tr>
<tr>
<td>MGMT 461</td>
<td>Management in Different Cultures</td>
<td>4</td>
</tr>
<tr>
<td>MIS 302</td>
<td>Foundations of Management Info Systems</td>
<td>2</td>
</tr>
<tr>
<td>MIS 411</td>
<td>Java Programming for Business</td>
<td>4</td>
</tr>
<tr>
<td>MIS 425</td>
<td>Business Systems Development</td>
<td>4</td>
</tr>
<tr>
<td>MIS 426</td>
<td>Telecommunications for Management</td>
<td>4</td>
</tr>
<tr>
<td>OM 302</td>
<td>Foundations of Operations Management</td>
<td>2</td>
</tr>
</tbody>
</table>