MERCER UNIVERSITY BIOLOGY REQUIREMENTS

Student Name: ______________________________ ID# __________________________

Biology Major (BS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Intro Bio I</td>
<td>BIO 211</td>
<td></td>
<td></td>
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<tr>
<td>*Intro Bio II</td>
<td>BIO 212</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Organismal</td>
<td>BIO 30__</td>
<td></td>
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<tr>
<td>*Genetics</td>
<td>BIO 310</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Ecology</td>
<td>BIO 370</td>
<td></td>
<td></td>
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<tr>
<td>*400 w/Lab</td>
<td>BIO 4____</td>
<td></td>
<td></td>
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<tr>
<td>*Elective</td>
<td>BIO _____</td>
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**Total:** _________ (must total at least 36 credits)

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<th>Course</th>
<th>Semester</th>
<th>Credits</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>*Gen Chem I</td>
<td>CHM 111</td>
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</tr>
<tr>
<td>*Gen Chem II</td>
<td>CHM 112</td>
<td></td>
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<tr>
<td>Org Chem I</td>
<td>CHM 221</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Org Chem II</td>
<td>CHM 222</td>
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</table>

must take at Mercer to complete minor (minor GPA ≥ 2.0)

<table>
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<th>Course</th>
<th>Semester</th>
<th>Credits</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Physics</td>
<td>PHY _____</td>
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<tr>
<td>*Stats or Calc</td>
<td>MAT 191</td>
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<tr>
<td>or STA 126</td>
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</table>

GPA: __________ (major GPA ≥ 2.0)

_____ MFAT  P/F?  ________  BIO Honors eligible?

_____  Applied for graduation?  (Form must go to Associate Chair)

* Courses required for BA

Organismal: Choose BIO 300, 301 or 302

Only 3 credit hours total from the following courses may count towards the major:

BIO 203, BIO 250, BIO 299, and BIO 398

Only 1 BIO 390 or 391 counts toward the major

400 level course must have lab

Major GPA includes all required courses (BIO,CHM,MAT,PHY), must be ≥ 2.0
BIOLOGY COURSES OFFERED:

BIO 110. General Concepts of BIO
BIO 198. Special Intro Topics in BIO
BIO 202. Human Anatomy and Physiology I
BIO 203. Human Anatomy and Physiology II
BIO 205. Introduction to Biology for Biomedical Engineers
BIO 211. Introduction to Biology I
BIO 212. Introduction to Biology II
BIO 250. Current Issues in Biology
BIO 299. Research in Biology
BIO 300. Invertebrate Zoology
BIO 301. Vertebrate Zoology
BIO 302. Plant Biology
BIO 303. Microbiology
BIO 310. Genetics
BIO 315. Field Studies in Biology
BIO 322. Identification of Vascular Plants
BIO 325. Comparative Animal Physiology
BIO 330. Vertebrate Histology
BIO 340. Parasitology
BIO 361. The Biology of Sex & Gender
BIO 370. Principles of Ecology
BIO 375. Organic Evolution
BIO 381. Urban Ecosystems
BIO 382. Biological Anthropology
BIO 390. Special Topics in Biology BIO 391 Special Topics in Biology (Non Lab course)
BIO 410. Molecular Genetics
BIO 415. BIO informatics
BIO 421. Biostatistics and Morphology
BIO 430. Cancer Biology
BIO 435. Neurobiology
BIO 440. Aquatic Biology
BIO 450. Development
BIO 450L. Developmental Lab
BIO 460. Eukaryotic Cell Biology
BIO 460L. Eukaryotic Cell Biology Lab.
BMB 465. Biochemistry I
BMB 465L. Biochemistry I Laboratory
BMB 466. Biochemistry II
BMB 466L. Biochemistry II Laboratory
BIO 470. Virology
BIO 480. Conservation Biology
BIO 482. Immunology
BIO 490. Advanced Topics in Biology BIO 491. Advanced Topics in Biology (a non-lab course)
BIO 499. Senior Research in Biology