# My Degree Map

**College of Arts and Science Approved Academic Plan**  
**Biology Major – Program Year 2014-2015**

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
<th>Term 4</th>
<th>Term 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1101/03</td>
<td>3</td>
<td>AREA II, GRP 4 COURSE</td>
<td>3</td>
<td>ENG 1102/04</td>
</tr>
<tr>
<td>MTH 1125</td>
<td>4</td>
<td>AREA IV, GRP 2 COURSE</td>
<td>3</td>
<td>BIO 1100/LAB</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AREA IV, GRP 2 COURSE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TROY 1101</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>7</td>
<td><strong>Totals</strong></td>
<td>6</td>
<td><strong>Totals</strong></td>
</tr>
</tbody>
</table>

**Fall Semester**

- Troy 1101 1
- ART 1133 or MUS 1131 2
- BIO 1100/Lab 3/1
- **Totals** 16

**Spring Semester**

- ENG 1102/04 3
- ART 1133 or MUS 1131 2
- BIO 1100/LAB 3/1
- **Totals** 15

**Summer Semester**

- Select courses that have not been completed from previous terms or semesters as prerequisite courses or courses to be retaken

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
<th>Term 4</th>
<th>Term 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>AREA II, GRP 3 Lit</td>
<td>3</td>
<td>AREA IV, GRP 2 COURSE</td>
<td>3</td>
<td>CHM 1143/LAB</td>
</tr>
<tr>
<td>CHM 1142/LAB</td>
<td>3/1</td>
<td>BIO 1101/LAB</td>
<td>3/1</td>
<td>MTH 2210</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>COM 2241</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Minor Course</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>7</td>
<td><strong>Totals</strong></td>
<td>7</td>
<td><strong>Totals</strong></td>
</tr>
</tbody>
</table>

**Fall Semester**

- AREA II, GRP 3 Lit | 3 | BIO 1101/LAB | 3/1 |
- CHM 1142/LAB | 3/1 | AREA IV, GRP 2 COURSE | 3 |
- AREA IV History | 3 | CHM 1143/LAB | 3/1 |
- **Totals** 17

**Spring Semester**

- MTH 2210 | 3 | BIO 2220/LAB | 3/1 |
- Minor Course | 3 |
- **Totals** 17

**Summer Semester**

- Select courses that have not been completed from previous terms or semesters as prerequisite courses or courses to be retaken

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
<th>Term 4</th>
<th>Term 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>AREA V Physics</td>
<td>4</td>
<td>CHM 3342/LAB</td>
<td>3/1</td>
<td>AREA V Physics CRSE/LAB</td>
</tr>
<tr>
<td>Minor Course</td>
<td>3</td>
<td>BIO 2229/LAB</td>
<td>3/1</td>
<td>Minor Course</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>7</td>
<td><strong>Totals</strong></td>
<td>8</td>
<td><strong>Totals</strong></td>
</tr>
</tbody>
</table>

**Fall Semester**

- AREA V Physics CRSE/LAB | 4 | Minor Course | 3 |
- BIO 2229/LAB | 3/1 | CHM 3342/LAB | 3/1 |
- **Totals** 15

**Spring Semester**

- AREA V Physics CRSE/LAB | 4 | Minor Course | 3 |
- CHM 3343/LAB | 3/1 | BIO 3320/LAB | 3/1 |
- **Totals** 15

**Summer Semester**

- Select courses that have not been completed from previous terms or semesters as prerequisite courses or courses to be retaken

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
<th>Term 4</th>
<th>Term 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved BIO/LAB Course</td>
<td>3/1</td>
<td>Approved BIO/LAB Course</td>
<td>3/1</td>
<td>Approved BIO/LAB Course</td>
</tr>
<tr>
<td>Minor Course</td>
<td>3</td>
<td>Minor Course</td>
<td>3</td>
<td>APROVD BIO/LAB ELEC</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>7</td>
<td><strong>Totals</strong></td>
<td>7</td>
<td><strong>Totals</strong></td>
</tr>
</tbody>
</table>

**Fall Semester**

- Approved BIO/LAB Course | 3/1 | Minor Course | 3 |
- Approved BIO/LAB Course | 3/1 | Approved BIO/LAB Course | 3/1 |
- **Totals** 15

**Spring Semester**

- Approved BIO/LAB Course | 3/1 | Minor Course | 3 |
- APROVD BIO/LAB ELEC | 3/1 | Minor Course | 3 |
- **Totals** 14

**Total Program 124**
TROY UNIVERSITY™

COLLEGE OF ARTS AND SCIENCE APPROVED ACADEMIC PLAN
BIOLOGY MAJOR - PROGRAM YEAR 2014-2015

COMPLETE ALL 6 SUB-REQUIREMENTS (63 HOURS)

A. AREA I:
MINIMUM GRADE OF "C" REQUIRED
ENG-1101 Comp and Modern English I 3 HOURS
ENG-1102 Comp and Modern English II 3 HOURS

B. AREA II:
GROUP 1: Take COM 2241 Fundamentals of Speech 3 HOURS
GROUP 2: Select two courses from ART 1133*, MUS 1131* or DRA 2200 4 HOURS
GROUP 3: Take three semester hours from the following:
ENG 2205*, ENG 2206*, ENG 2211, ENG 2212, ENG 2244, ENG 2245 3 HOURS
GROUP 4: Take three semester hours from the following:
CLA 2260*, ENG 2205*, ENG 2206*, ENG 2211, ENG 2212, ENG 2244, ENG 2245, FRN 1101*, GER 1121*, GRK 1111*, IDS 2200, LAT 1131, PHI 2203, PHI 2204, ANT 2280* or SPN 1141*

C. AREA III:
GROUP 1: Take BIO 1100/L100 General Biology w/Lab 3/1 HOURS
GROUP 2: Take MTH 1125 Calculus I ("C" or better required) 3 HOURS

D. AREA IV:
GROUP 1: Take three semester hours from the following:
HIS 1101, HIS 1102, HIS 1111, HIS 1112, HIS 1122* or HIS 1123* 3 HOURS
GROUP 2: Take three courses from the following:
ANT 2200*, GEO 2210*, HIS 1101, HIS 1102, HIS 1111, HIS 1112, HIS 1122*, HIS 1123*, POL 2260, POL 2241, PSY 2200, PSY 2210, IDS 2200, LDR 1100, or SOC 2275 9 HOURS

E. AREA V:
Take the following courses:
BIO 1101/L101 Organismal Biology w/Lab 3/1 HOURS
CHM 1143/L143 General Chemistry w/Lab 3/1 HOURS
IS 2241 Computer Concepts and Applications 3 HOURS
TROY 1101 University Orientation 1 HOURS

Take one Physics Sequence:
PHY 2252/L252 General Physics I w/ Lab 3/1 HOURS
AND
PHY 2253/L253 General Physics II w/ Lab 3/1 HOURS
OR
PHY 2262/L262 Physics I with Calculus w/ Lab 3/1 HOURS
AND
PHY 2263/L263 Physics II with Calculus w/ Lab 3/1 HOURS

Every reasonable attempt to ensure accuracy has been made. Some courses (such as developmental or pre-requisite courses) are not reflected in this degree map. Completion of degree requirements is based on the specific catalog year for each student. A minimum of 120 hours is required for all baccalaureate degree programs. A minimum GPA of 2.0 overall and in the major is required to graduate. A minimum of 25% of the credit hours required for the degree must be completed in residency with Troy University. At least 12 semester hours of residency must be completed in each major field(s) of study. At least 50% of required coursework must be earned at a senior institution. At least 25% of the credit hours required for the degree must be completed in residency with Troy University. A sequence in literature or history is required. When selecting coursework in AREAS II or IV, please consider this requirement. Coursework marked with an asterisk (*) are international courses. Six hours of international coursework is required. Consider this requirement when selecting coursework in AREAS II and IV.
COLLEGE OF ARTS AND SCIENCE APPROVED ACADEMIC PLAN

Biology Major - Program Year 2014-2015

**Biology Major** (43 hours)

**2.0 GPA required**

**Take the following courses:**

- BIO 2220/L220 Principles of Cell Biology w/Lab 3/1 hours
- BIO 2229/L229 General Ecology w/Lab 3/1 hours
- BIO 3320/L320 Genetics w/Lab 3/1 hours
- CHM 3342/L342 Organic Chemistry I w/Lab 3/1 hours
- CHM 3343/L343 Organic Chemistry II w/Lab 3/1 hours
- MTH 2210 Applied Statistics 3 hours

**Botany**

**Take one of the following botany courses with corresponding lab:**

- BIO 3325/L325 Plant Form and Function w/Lab 3/1 hours
- BIO 3326/L326 Plant Diversity w/Lab 3/1 hours
- BIO 4425 Field Botany 4 hours

**Zoology**

**Take one of the following zoology courses with corresponding lab:**

- BIO 3307/L307 Invertebrate Zoology w/Lab 3/1 hours
- BIO 3308/L308 Vertebrate Zoology w/Lab 3/1 hours
- BIO 4405/L405 Entomology w/Lab 3/1 hours
- BIO 4410 Field Vertebrate Zoology 4 hours
- BIO 4411/L432 Comparative Vertebrate Anatomy w/Lab 3/1 hours
- BIO 4416/L446 Ichthyology w/Lab 3/1 hours
- BIO 4417/L447 Ornithology w/Lab 3/1 hours
- BIO 4448/L448 Mammalogy w/Lab 3/1 hours
- BIO 4417/L471 Parasitology w/Lab 3/1 hours

**Ecology/Environmental**

**Take one of the following ecology/environmental courses with corresponding lab:**

- BIO 2202/L202 Principles of Environmental Science w/Lab 3/1 hours
- BIO 4413/L413 Limnology w/Lab 3/1 hours
- BIO 4416/L416 Microbial Ecology w/Lab 3/1 hours
- BIO 4421/L421 Population Ecology w/Lab 3/1 hours
- BIO 4479/L479 Environmental Assessment w/Lab 3/1 hours

**Physiology/Cell/Molecular**

**Take one of the following physiology/cell/molecular biology courses with corresponding lab:**

- BIO 3347/L347 Human Anatomy and Physiology I w/Lab 3/1 hours
- BIO 3348/L348 Human Anatomy and Physiology II w/Lab 3/1 hours
- BIO 3372/L372 Microbiology w/Lab 3/1 hours
- BIO 3382/L382 Immunology w/Lab 3/1 hours
- BIO 3386/L386 Hematology w/Lab 3/1 hours
- BIO 4414/L414 Food Microbiology w/Lab 3/1 hours
- BIO 4430/L430 Applied Genetics w/Lab 3/1 hours
- BIO 4433/L433 Embryology w/Lab 3/1 hours
- BIO 4451/L451 Toxicology w/Lab 3/1 hours
- BIO 4478/L478 Cell Biology w/Lab 3/1 hours
- BIO 4480/L480 Histology w/Lab 3/1 hours
- BIO 4482/L482 Molecular Biology w/Lab 3/1 hours

**Major Electives**

**Take one upper-level (3000-4000) adviser-approved biology course and its corresponding lab**

**Minor:**

At least one 18 semester hour minor is required to complete the degree program (additional majors are also acceptable.)

My Degree Map serves as a guide to assist you with the proper sequence and selection of courses. It does not replace your Program Evaluation (available through Trojan Web Express), which depicts the official document used to clear students for graduation. My Degree Map includes the required coursework and suggested sequence of courses for a particular degree program. Every reasonable attempt has been made to ensure accuracy of content. Please keep in mind that some courses, such as developmental or pre-requisite courses, are not reflected in My Degree Map. Completion of degree requirements is based on the specific catalog year under which you were admitted to TROY. Please consult the college catalog, your academic advisor, your specific school, department, or your Program Evaluation for any additional requirements.