# MY DEGREE MAP
## COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
### BIOLOGY MAJOR–PROGRAM YEAR 2021-22

<table>
<thead>
<tr>
<th>1ST YEAR</th>
<th>2ND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1ST SEMESTER</strong></td>
<td><strong>2ND SEMESTER</strong></td>
</tr>
<tr>
<td><strong>TROY 1101</strong></td>
<td><strong>ENG 1102/04</strong></td>
</tr>
<tr>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td><strong>ENG 1101/03</strong></td>
<td><strong>BIO 1101/LAB</strong></td>
</tr>
<tr>
<td>3</td>
<td>3/1</td>
</tr>
<tr>
<td><strong>MTH 1125</strong></td>
<td><strong>AREA II HUM/FA COURSE</strong></td>
</tr>
<tr>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td><strong>AREA IV HIS COURSE</strong></td>
<td><strong>AREA IV SS COURSE</strong></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td><strong>BIO 1100/LAB</strong></td>
<td><strong>IS 2241</strong></td>
</tr>
<tr>
<td>3/1</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL 15</strong></td>
<td><strong>TOTAL 16</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2ND YEAR</th>
<th>3RD SEMESTER</th>
<th>4TH SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3RD SEMESTER</strong></td>
<td><strong>4TH SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td><strong>AREA II LIT COURSE</strong></td>
<td><strong>CHM 1143/LAB</strong></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3/1</td>
<td></td>
</tr>
<tr>
<td><strong>BIO 2220</strong></td>
<td><strong>AREA IV SS COURSE</strong></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>AREA II FINE ARTS COURSE</strong></td>
<td><strong>STAT 2210</strong></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>CHM 1142/LAB</strong></td>
<td><strong>MINOR COURSE</strong></td>
<td></td>
</tr>
<tr>
<td>3/1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>MINOR COURSE</strong></td>
<td><strong>MINOR COURSE</strong></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL 16</strong></td>
<td><strong>TOTAL 13</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3RD YEAR</th>
<th>5TH SEMESTER</th>
<th>6TH SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5TH SEMESTER</strong></td>
<td><strong>6TH SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td><strong>BIO 2229/LAB</strong></td>
<td><strong>AREA V PHY/LAB SEQ</strong></td>
<td></td>
</tr>
<tr>
<td>3/1</td>
<td>3/1</td>
<td></td>
</tr>
<tr>
<td><strong>CHM 3342/LAB</strong></td>
<td><strong>BIO 3320</strong></td>
<td></td>
</tr>
<tr>
<td>3/1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>REQ BOTANY ELEC</strong></td>
<td><strong>CHM 3343/LAB</strong></td>
<td></td>
</tr>
<tr>
<td>3/1</td>
<td>3/1</td>
<td></td>
</tr>
<tr>
<td><strong>AREA V PHY/LAB SEQ</strong></td>
<td><strong>REQ ZOOLOGY ELEC</strong></td>
<td></td>
</tr>
<tr>
<td>3/1</td>
<td>3/1</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL 16</strong></td>
<td><strong>TOTAL 15</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4TH YEAR</th>
<th>7TH SEMESTER</th>
<th>8TH SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>7TH SEMESTER</strong></td>
<td><strong>8TH SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td><strong>REQ PHY/CELL/MOL/ELEC</strong></td>
<td><strong>BIO 4484</strong></td>
<td></td>
</tr>
<tr>
<td>3/1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>REQ ECOL/ENV ELEC</strong></td>
<td><strong>AREA IV SS COURSE</strong></td>
<td></td>
</tr>
<tr>
<td>3/1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>AREA II HUM/FA COURSE</strong></td>
<td><strong>APPROVED BIO/LAB ELEC</strong></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3/1</td>
<td></td>
</tr>
<tr>
<td><strong>MINOR COURSE</strong></td>
<td><strong>MINOR COURSE</strong></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>MINOR COURSE</strong></td>
<td><strong>MINOR COURSE</strong></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>SUBMIT GRADUATION APPLICATION</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL 17</strong></td>
<td><strong>TOTAL 14</strong></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL PROGRAM 122</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
BIOLOGY MAJOR–PROGRAM YEAR 2021-22

COMPLETE ALL REQUIREMENTS (62 HOURS)

AREA I

TAKE THE FOLLOWING COURSES:
- ENG 1101 COMP AND MODERN ENGLISH I 3 HOURS
- ENG 1102 COMP AND MODERN ENGLISH II 3 HOURS
MINIMUM GRADE OF ‘C’ REQ

AREA II

TAKE ANY 1000 2000 LEVEL COURSE IN LITERATURE 3 HOURS
TAKE ANY 1000 2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN FINE ARTS, INCLUDING THE DISCIPLINES OF ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA. 3 HOURS
TAKE ANY TWO 1000 2000 LEVEL COURSES WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN THE HUMANITIES/FINE ARTS DISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION, PHILOSOPHY, CLASSICS, THEATRE, MUSIC, DANCE, COMMUNICATION, SIGN LANGUAGE, INTERDISCIPLINARY STUDIES, OR OTHER HUMANITIES/FINE ARTS AREAS. 6 HOURS

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV. PLEASE CONSIDER THIS REQUIREMENT.

AREA III

- MTH 1125 CALCULUS 4 HOURS
- BIO 1100/L100 PRINCIPLES OF BIOLOGY W/ LAB 3/1 HOURS
- CHM 1142/L142 GENERAL CHEMISTRY I W/ LAB 3/1 HOURS

AREA IV

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY 3 HOURS
TAKE THREE 1000-2000 LEVEL COURSE FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES: ANTHROPOLOGY, BUSINESS, CRIMINAL JUSTICE, ECONOMICS, GEOGRAPHY, HISTORY, HUMAN SERVICES, LEADERSHIP, INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, PSYCHOLOGY, RELIGION, SOCIAL WORK, SOCIOLOGY, OR OTHER SOCIAL SCIENCE AREAS. 9 HOURS

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV. PLEASE CONSIDER THIS REQUIREMENT.

AREA V

- IS 2241 COMPUTER CONCEPTS AND APPLICATIONS 3 HOURS
- TROY 1101 THE UNIVERSITY EXPERIENCE 1 HOUR
- BIO 1101/L101 ORGANISMAL BIOLOGY W/ LAB 3/1 HOURS
- CHM 1143/L143 GENERAL CHEMISTRY II W/ LAB 3/1 HOURS

AREA V CONTINUED:

TAKE ONE PHYSICS SEQUENCE 8 HOURS
- PHY 2252/L252 GENERAL PHYSICS I W/ LAB
- PHY 2253/L253 GENERAL PHYSICS II W/ LAB
- OR
- PHY 2262/L262 GENERAL PHYSICS I WITH CALCULUS W/ LAB
- PHY 2263/L263 GENERAL PHYSICS II WITH CALCULUS W/ LAB
**COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN**

**BIOLOGY MAJOR–PROGRAM YEAR 2021-22**

**BIOLOGY MAJOR**

(42 HOURS)

**TAKE THE FOLLOWING COURSES:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 2220</td>
<td>PRINCIPLES OF CELL BIOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>BIO 2229/229</td>
<td>GENERAL ECOLOGY/LAB</td>
<td>3/1</td>
</tr>
<tr>
<td>BIO 3320</td>
<td>GENETICS</td>
<td>3</td>
</tr>
<tr>
<td>CHM 3342/L342</td>
<td>ORGANIC CHEMISTRY I/LAB</td>
<td>3/1</td>
</tr>
<tr>
<td>CHM 3343/L343</td>
<td>ORGANIC CHEMISTRY II/LAB</td>
<td>3/1</td>
</tr>
<tr>
<td>OR CHM 3352</td>
<td>BIO CHEMISTRY/LAB</td>
<td>3</td>
</tr>
<tr>
<td>STAT 2210</td>
<td>INTRODUCTORY STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>BIO 4484</td>
<td>SENIOR SEMINAR IN BIOLOGICAL &amp; ENVIRONMENTAL SCIENCES</td>
<td>1</td>
</tr>
</tbody>
</table>

**BOTANY**

3/1 HOURS

**TAKE ONE OF THE FOLLOWING BOTANY COURSES WITH ITS CORRESPONDING LAB.**

- BIO 3325/L325 OR BIO 4425

**ZOOLOGY**

3/1 HOURS

**TAKE ONE OF THE FOLLOWING ZOOLOGY COURSES WITH ITS CORRESPONDING LAB.**

- BIO 3307/L307, BIO 4405, BIO 4420, BIO 4447/L447, BIO 4471/L471

**ECOLOGY/ENVIRONMENTAL**

3/1 HOURS

**TAKE ONE OF THE FOLLOWING ECOLOGY/ENVIRONMENTAL COURSES WITH ITS CORRESPONDING LAB.**

- BIO 4413/L413, BIO 4416/L416, BIO 4421/L421, OR BIO 4479/L479

**PHYSIOLOGY/CELL/MOLECULAR**

3/1 HOURS

**TAKE ONE OF THE FOLLOWING PHYSIOLOGY/CELL/MOLECULAR COURSES WITH ITS CORRESPONDING LAB.**

- BIO 3347/L347, BIO 3348/L348, BIO 3372/L372, BIO 3382/L382, BIO 3386/L386, BIO 4414/L414, BIO 4451/L451, BIO 4480/L480, OR BIO 4482/L482

**MAJOR ELECTIVE**

3/1 HOURS

**SELECT ONE UPPER-LEVEL (3000-4000) ADVISOR-APPROVED BIOLOGY COURSE AND ITS CORRESPONDING LAB.**

**MINOR**

18 HOURS

**AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED TO COMPLETE THIS DEGREE PROGRAM. ADDITIONAL MAJORS ARE ACCEPTABLE.**