

## BIOLOGY

### Associate in Science in Biological Science

#### Recommended Sequence Credits

##### First Semester (Fall)

- |  |     |
|--|-----|
| <input type="checkbox"/> ENG 140 English Composition I   | 3   |
| <input type="checkbox"/> BIO 162 General Biology I   | 4   |
| <input type="checkbox"/> MAT ___ * College Algebra <b>or</b><br>Precalculus <b>or</b> Calculus I | 3-4 |
| <input type="checkbox"/> CHE 164 General Chemistry I   | 4   |
| <b>14-15</b>   |     |

##### Second Semester (Spring)

- |  |     |
|--|-----|
| <input type="checkbox"/> ENG 141 English Composition II                                      | 3   |
| <input type="checkbox"/> BIO 163 General Biology II  | 4   |
| <input type="checkbox"/> MAT ___ * Precalculus <b>or</b> Calculus I<br><b>or</b> Calculus II | 3-4 |
| <input type="checkbox"/> CHE 165 General Chemistry II  | 4   |
| <b>14-15</b>   |     |

##### Third Semester (Fall)

- |   |   |
|---|---|
| <input type="checkbox"/> BIO 170 General Ecology            | 4 |
| <input type="checkbox"/> BIO 200 Genetics                   | 3 |
| <input type="checkbox"/> CHE 210 Organic Chemistry I        | 4 |
| <input type="checkbox"/> PSY 101 Introduction to Psychology | 3 |
| <input type="checkbox"/> MAT 151 Statistics                 | 3 |
| <b>17</b>   |   |

##### Fourth Semester (Spring)

- |  |   |
|--|---|
| <input type="checkbox"/> BIO 220 Evolutionary Biology              | 4 |
| <input type="checkbox"/> CHE 211 Organic Chemistry II              | 4 |
| <input type="checkbox"/> __ GE Social Science Elective <b>(3A)</b> | 3 |
| <input type="checkbox"/> __ GE Humanities Elective <b>(3B)</b>     | 3 |
| <input type="checkbox"/> __ Free Elective **                       | 3 |

**Total Credits Needed for Degree 60**

\*Mathematics courses through Calculus II are recommended

\*\* A minimum of 60 credits is required for an associate degree. If G.E. Math/Sci/Tech electives are taken for less than 4 credits, a free elective is required.

#### General Education Requirements for A.S.

##### 1. COMMUNICATION

Must complete 9 credits from the following:

- |                                  |                                  |   |
|----------------------------------|----------------------------------|---|
| <input type="checkbox"/> ENG-140 | <input type="checkbox"/> ENG-141 | <input type="checkbox"/> COM-143 or COM-105 |
|----------------------------------|----------------------------------|---|

##### 2. MATHEMATICS – SCIENCE – TECHNOLOGY

Must complete 9 credits as specified by category:

###### A. Mathematics (3-6 credits)

- |                                  |                                  |                                  |
|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> MAT-110 | <input type="checkbox"/> MAT-111 | <input type="checkbox"/> MAT-131 |
| <input type="checkbox"/> MAT-141 | <input type="checkbox"/> MAT-150 | <input type="checkbox"/> MAT-151 |

###### B. Science (4-8 credits)

- |                                  |                                  |                                  |                                  |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> BIO-145 | <input type="checkbox"/> BIO-150 | <input type="checkbox"/> BIO-162 | <input type="checkbox"/> BIO-163 |
| <input type="checkbox"/> BIO-165 | <input type="checkbox"/> BIO-170 | <input type="checkbox"/> BIO-176 | <input type="checkbox"/> BIO-262 |
| <input type="checkbox"/> CHE-110 | <input type="checkbox"/> CHE-164 |                                  |                                  |

###### C. Technology (0-4 credits)

- |                                  |                                  |                                  |
|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> CSC-102 | <input type="checkbox"/> CSC-103 | <input type="checkbox"/> CSC-112 |
|----------------------------------|----------------------------------|----------------------------------|

##### 3. SOCIAL SCIENCE – HUMANITIES

Must complete a total of 9 credits from A & B with at least 3 credits in each category:

###### A. Social Science (3-6 credits)

- |                                   |                                   |                                  |                                  |
|-----------------------------------|-----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> ANT 289  | <input type="checkbox"/> ECO-188  | <input type="checkbox"/> ECO-189 | <input type="checkbox"/> GEO-105 |
| <input type="checkbox"/> POL -101 | <input type="checkbox"/> POL -115 | <input type="checkbox"/> POL-201 | <input type="checkbox"/> PSY-101 |
| <input type="checkbox"/> PSY-175  | <input type="checkbox"/> SOC-103  | <input type="checkbox"/> SOC-202 |                                  |

###### B. Humanities (3-6 credits)

- |                                   |                                  |                                  |                                  |
|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> ART-101  | <input type="checkbox"/> ART-105 | <input type="checkbox"/> ART-106 | <input type="checkbox"/> ART-107 |
| <input type="checkbox"/> ENG-199  | <input type="checkbox"/> ENG-201 | <input type="checkbox"/> ENG-202 | <input type="checkbox"/> ENG-240 |
| <input type="checkbox"/> ENG-241  | <input type="checkbox"/> ENG-242 | <input type="checkbox"/> FOR-101 | <input type="checkbox"/> FOR-103 |
| <input type="checkbox"/> FOR-133  | <input type="checkbox"/> FOR-151 | <input type="checkbox"/> FOR-201 | <input type="checkbox"/> FOR-251 |
| <input type="checkbox"/> HIS-101  | <input type="checkbox"/> HIS-102 | <input type="checkbox"/> HIS-113 | <input type="checkbox"/> HIS-114 |
| <input type="checkbox"/> HIS-220  | <input type="checkbox"/> HIS-225 | <input type="checkbox"/> HIS-250 | <input type="checkbox"/> HIS-260 |
| <input type="checkbox"/> MUS-191  | <input type="checkbox"/> MUS-211 | <input type="checkbox"/> PHI-101 | <input type="checkbox"/> PHI-102 |
| <input type="checkbox"/> PHI -103 | <input type="checkbox"/> PHI-204 | <input type="checkbox"/> PHI-261 | <input type="checkbox"/> THE-193 |

## **BIOLOGY**

### **Associate in Science in Biological Science**

The Associate in Science Degree, Biology program prepares students for transfer to a four-year program in biological science. For those who wish to enter the job market at the associate level, the program prepares students with scientific backgrounds to qualify for positions such as laboratory aides and technicians in related science and allied health fields.

Some programs this degree prepares you for: Biological Science; Biochemistry; Molecular Biology; Marine and Aquatic Biology; Zoology; and Animal Science.

Some career fields the previous programs can help prepare you for: Medicine; Veterinary Medicine; Animal Caregiver; Dentistry; Physical Therapy; Occupational Therapy; Podiatrist; Chiropractor; Optometrist; and Product Inspector.

#### **Elective Categories:**

Students may select courses from any of the disciplines listed below each category to full-fill any remaining degree requirements above and beyond their General Education Requirements.

##### **SOCIAL SCIENCE:**

ANT CRJ ECO POL PSY SOC

##### **HUMANITIES:**

ART COM FOR ENG\* HIS MUS PHI THE

\* Literature Elective must be ENG-199, 201, 202, 205, 240, 241, 242, 244, 245

##### **BUSINESS:**

ACC BUS COM121 CSC ECO GRD LST

##### **LIBERAL ARTS:**

ANT ART BIO COM CHE CRJ  
ECO ENG\* FOR HIS  
MAT MUS PHI PHY  
POL PSY SOC THE

\* Literature Elective must be ENG-199, 201, 202, 205, 240, 241, 242, 244, 245

##### **FREE:**

Any college-level (100+) course that is not required as part of the degree program