# Mathematics and Sciences for Secondary Education Specialization in Biology (SED-BIO)

## Two Year Degree Map

### Year 1

#### Semester 1
- ENG 101: English Composition (3 credits)
- MAT 206: Precalculus\(^1\) (4 credits)
- BIO 210: Biology I\(^2\) (4 credits)
- PSY 100: Introduction to Psychology (3 credits)

#### Semester 2
- ENG 201: Introduction to Literature (3 credits)
- BIO 220: Biology II\(^3\) (4 credits)
- CHE 201: College Chemistry I\(^4\) (4 credits)
- EDS 201: Adolescent Development (3 credits)
- XXX xxx: U.S. Experience in Its Diversity\(^5\) (3 credits)

#### Year 2

#### Semester 3
- BIO 240: Genetics\(^6\) (4 credits)
- CHE 202: College Chemistry II\(^7\) (4 credits)
- EDS 202: Special Topics in Secondary School\(^8\) (3 credits)
- ENG 391: World Literature I\(^9\) (3 credits)

#### Semester 4
- CHE 230: Organic Chemistry I\(^10\) (5 credits)
- ART 102: Survey of Art History I\(^11\) (3 credits)
- XXX xxx: Individual and Society\(^6\) (3 credits)
- XXX xxx: World Cultures and Global Issues\(^12\) (3 credits)
- XXX xxx: General Elective\(^13\) (1 credit)

**Total:** 60 Credits\(^14\)

### Footnotes

1. Students must be exempt from MAT 56 in order to take MAT 206. Students who are not exempt from MAT 56 can take MAT 206.5.
2. Co-requisite for BIO 210 is ENG 101 and MAT56 or any MAT100 level or higher (excluding MAT 150.5 and MAT 161.5).
3. BIO 210 and MAT 56 or any MAT 100 level or higher (excluding MAT 150.5 and MAT 161.5) must be passed in order to take BIO 220.
4. Students must have passed or be exempt from MAT 56 in order to take CHE 201.
5. Please consult with an academic or faculty advisor.
6. BIO 210 and BIO 220 must be passed in order to take BIO 240. CHE 202 is a co-requisite course to BIO 240.
7. CHE 201 must be passed in order to take CHE 202.
8. PSY 100 must be passed in order to take EDS 202. EDU 202 is an alternative option. For EDU 202, EDS 201 must first be passed.
9. ENG 392, SPE 100 or SPE 102 are alternative options.
10. CHE 201 and CHE 202 must be passed in order to take CHE 230.
11. ART 104, MUS 103, or THE 100 are alternative options.
12. Students are strongly advised to take a modern language course to satisfy the World Cultures & Global Issues requirement.
13. A total of 4-5 credits required. Some of these credits can be satisfied by taking STEM variants in the Common Core.
14. A Writing Intensive course is needed to graduate.