Biology 310000BS

The following information has official approval of the **Department of Biology** but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. Students should refer to the Degree Progress Reporting System (DPR) which is definitive for graduation requirements. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

CURRICULUM GUIDE FOR STUDENTS ADMITTED TO THIS PROGRAM FOR FALL 2017 OR LATER:

| 1 st Year | Fall Semester | Credit Hours | Prerequisites |
|----------------------|--|--------------|----------------------------------|
| | Writing Requirement | 3 | Appropriate placement by advisor |
| 3450:149 | Pre-Calculus (Notes a) | 4 | Appropriate placement by advisor |
| 3100:111 | Principles of Biology I Lecture/Lab) | 4 | 3150:151 corequisite |
| 3150:151 | Principles of Chemistry I + Recitation | 3 | Placement in 3450:149 or higher |
| 3150:152 | Principles of Chemistry I Lab | 1 | |
| Total | | 15 | |

| 1 st Year | Spring Semester | | |
|----------------------|---|----|-------------------------------------|
| | Writing Requirement | 3 | 3300:111 or equivalent |
| 3100:112 | Principles of Biology II Lecture/Lab | 4 | C- or higher in 3100:111 |
| 3150:153 | Principles of Chemistry II + Recitation | 3 | 3150:151 |
| 3150:154 | Qualitative Analysis Lab | 2 | 3150:151, 152; 3150:153 corequisite |
| | Speech/Oral Communication Requirement | 3 | |
| Total | | 15 | |

| 2 nd Year | Fall Semester | | |
|----------------------|--------------------------------------|-------|---------------------------------------|
| 3100:211 | General Genetics | 3 | C- or higher in 3100:112 |
| 3100:217 | General Ecology | 3 | C- or higher in 3100:111 and 3100:112 |
| 3150:263 | Organic Chemistry I Lecture | 3 | 3150:153 |
| 3150:265 | Organic Chemistry I Lab + Discussion | 2 | 3150:154; 3150:263 corequisite |
| | Beginning Foreign Language I | 4 | Appropriate placement by advisor |
| | -OR- | or | |
| 7700:101 | American Sign Language I | 3 | |
| Total | | 14-15 | |

| 2 nd Year | Spring Semester | | |
|----------------------|---------------------------------------|-------|---------------------------------------|
| 3100:316 | Evolutionary Biology | 3 | C- or higher in 3100:111 and 3100:112 |
| 3150:264 | Organic Chemistry II Lecture | 3 | 3150:263 |
| 3150:266 | Organic Chemistry II Lab + Discussion | 2 | 3150:265 |
| | Beginning Foreign Language II | 4 | Beginning Foreign Language I |
| | -OR- | or | or |
| 7700:102 | American Sign Language II | 3 | 7700:101 |
| 3470:261 | Intro to Stats I and | 2 | Appropriate placement by advisor |
| 3470:262 | Intro to Stats II | 2 | 3470:261 |
| Total | | 15-16 | |

| 3 rd Year | Fall Semester | | |
|----------------------|---------------------------------------|----|---------------------------------------|
| 3100:311 | Cell & Molecular Biology | 4 | 3100:211, 3150:151, 152, 153, 154 |
| 3100:3/4** | Upper Level Biology Elective (Note d) | 3 | C- or higher in 3100:111 and 3100:112 |
| | Social Sciences Requirement (Note b) | 3 | |
| | Arts Requirement (Note b) | 3 | |
| | Intermediate Foreign Language I | 3 | Beginning Foreign Language II |
| | -OR- | | or |
| 7700:201 | American Sign Language III | | 7700:102 |
| Total | | 16 | |

| 3 rd Year | Spring Semester | | |
|----------------------|---------------------------------------|-------|---------------------------------------|
| 3100:3/4xx | Upper level Biology elective (Note d) | 3-4 | C- or higher in 3100:111 and 3100:112 |
| | Intermediate Foreign Language II | 3 | Beginning Foreign Language II |
| | -OR- | or | or |
| 7700:202 | American Sign Language IV - AND | 3 | 7700:201 |
| 7700:222 | Survey of Deaf Culture in America | 2 | Sign Language students only |
| | Humanities Requirement (Note b) | 3 | |
| | Social Science Requirement (Note b) | 3 | |
| Total | | 12-15 | |

| 4 th Year | Fall Semester | | |
|----------------------|---|-------|---------------------------------------|
| 3100:3/4xx | Upper level Biology elective (Note d) | 3-4 | C- or higher in 3100:111 and 3100:112 |
| 3100:3/4xx | Upper level Biology elective (Note d) | 3-4 | C- or higher in 3100:111 and 3100:112 |
| | Arts/Humanities Requirement (Note b) | 3 | |
| | Complex Issues Facing Society Requirement | 3 | *If necessary |
| | (Note b,c) | | |
| Total | | 12-14 | |

| 4 th Year | Spring Semester | | |
|----------------------|--|-------|---------------------------------------|
| 3100:3/4xx | Upper level Biology elective (Note c) | 3-4 | C- or higher in 3100:111 and 3100:112 |
| 3100:3/4xx | Upper level Biology elective (Note c) | 3-4 | C- or higher in 3100:111 and 3100:112 |
| | Domestic Diversity (DD) Requirement (Note b,c) | 3 | *If necessary |
| | Global Diversity (GD) Requirement (Note b,c) | 3 | *If necessary |
| Total | | 12-14 | |
| | · · · · · · | | |
| | Minimum Credits for Degree | 120 | |

Minimum Credits for Degree

NOTES:

- a. If not at the level of Precalculus Math, postpone taking Principles of Biology I and II and Chemistry I and II until the sophomore year and Organic Chemistry until the junior year. In the freshman year, take your language requirement, social science, and/or humanities requirements instead. In your freshman year, be sure to reach the level of Precalculus math as soon as possible.
- b. Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at https://bulletin.uakron.edu/undergraduate/general-education/. It is recommended that General Education courses be selected to satisfy major or minor requirements, or to double dip between multiple tiers (i.e. Biology majors are encouraged to take 3850:100 Introduction to Sociology to satisfy the Domestic Diversity Requirement, as well as part of the Social Science Requirement).
- c. If requirement has been satisfied by previous coursework, credits should still be filled as general electives.
- d. A minimum of 19 credits of 300/400 level biology courses is required beyond the biology core and excludes 3100:311, 3100: 316, 3100:470 Lab Regulations or Workshops. May include up to 4 credits of Biological Problems (i.e. independent research).

Biology Department: (330) 972-5813

Biology Department Chair: Dr. Stephen Weeks, Auburn Science Center E510, (330) 972-6954, scweeks@uakron.edu