Major Planning Guides are sample programs which illustrate the type of curriculum a student will take to complete the degree in 4 years. All students must complete a minimum of 120 credits including:

1) at least 32 units of general education, including specified Gened courses, as well as approved math and science, physical education and elective courses
2) requirements for the BA or BS Degree,
3) requirements for the major and for the minor

* ACT/SAT scores determine which Math and English course is appropriate for you. Refer to your AR for this information and then adjust this schedule accordingly.

**The Bachelor of Science requires two lab sciences and 5 credits of advanced math or 3 of math and 3 of computer science. This Planning sheet uses BIOL 141 and CHEM 104 for the lab science requirement, and Math 152 for the math requirement. (The BA option is also available. See advisor for information.)

Courses in bold typeface indicate specific courses that must be completed for the major. Other courses such as Gened Courses or major/minor electives can be selected from a number of course choices.

### Freshman Year
- **English 101**: Freshman English — 3 units
- **Math 152**: Elementary Functions — 5 units
- **Biology 141**: Biology I — 5 units
- **Chem 102**: Intro Chemistry I — 5 units
- **Intrauniversity 104**: New Student Seminar — 1 unit
- **PEGNRL 192**: Personal Health & Fitness — 1 unit
- **OR General Ed Elective**: 3 units

**Semester 1:** 14-16 units

**Semester 2:** 16 units

### Sophomore Year
- **Biology 251**: Intro to Genetics — 4 units
- **Biology 257**: Intro to Ecology — 3 units
- **Chemistry 251**: Organic Chemistry I or other Chem at 200+ — 3 units
- **English 102**: Freshman English — 3 units
- **Minor course**: 3 units

**Semester 1:** 16 units

**Semester 2:** 16 units

### Junior Year
- **Biology 258**: Field Experience — 2 units
- **Biology 254**: Biotech Lab Methods — 2 units
- **Bio elective 300**: OR Experiential — 3-4 units
- **Minor course**: 3 units
- **Diversity course**: 3 units
- **GENED 130**: Individual and Society — 3 units

**Semester 1:** 16-17 units

**Semester 2:** 15-16.5 units

### Senior Year
- **Biology 457**: General Ecology — 4 units
- **Bio elective 300**: OR Experiential — 3-4 units
- **Minor course**: 3 units
- **Minor course**: 3 units
- **Gen Ed Elective**: 3 units

**Semester 1:** 16 units

**Semester 2:** 12.5-13.5 units

Experiential: You must complete 1 to 6 units of one of the following: Biology 498R, Biology 493, Biology 491 Travel Study, Biology 451 Yellowstone, Biology 354 Field Botany; or other course approved by the department chair in advance.

Bio elective 300: Select additional units of Biology electives numbered 300 or above to total 40 units in the emphasis. EXCLUDED from these courses are Bio 303, Bio 493, and Bio 498/498R.

Departmental website: [www.uww.edu/cls/departments/biology/index.html](http://www.uww.edu/cls/departments/biology/index.html)