

## Associate of Science to Bachelor of Science in Biology

The following is presented as an articulation agreement between Waubonsee Community College (WCC) and Governors State University (GSU) for the Biology degree program based on the current catalogs of both schools. The student would receive an Associate of Science (AS) degree from WCC and a Bachelors of Science (BS) degree in Biology from GSU.

### I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (42 Hours)

#### Communications (9 hours)

- ENG 101 - Freshman English I (3)
- ENG 102 - Freshman English II (3)
- COM 100 - Fundamentals of Speech Communications (3)

#### Humanities and Fine Arts (9 hours)

- Humanities Course (3)\*
- Fine Arts Course (3)\*
- Humanities or Fine Arts Course (3)\* (Req'd for BS degree)

#### Mathematics (7 hours)

Students must complete Calculus with a "C" or better. Either course meets the MATH 2281 requirement at GSU.

- MTH 131 - Calculus with Analytic Geometry I (4) **OR**
- MTH 211 - Calculus for Business and Social Science (3)
- One Additional Mathematics Course (3)\* (Req'd for AS)

#### Physical and Life Sciences (8 hours)

- BIO 120 - Principles of Biology I (4) (Meets BIOL 1500/1501)
- CHM 121 - General Chemistry (4) (Meets CHEM 1141/1142)

#### Social and Behavioral Sciences (9 hours)

- Social and Behavioral Science Courses from at least two different disciplines (9)\*
- (Third social and behavioral science course req'd for BS degree)

### II. MAJOR REQUIREMENTS/AREA OF CONCENTRATION (20 Hours)

- BIO 122 - Principles of Biology II (4) (Meets BIOL 1510/1511)
- BIO 250 - Microbiology (4) (Meets BIOL 4430/4431)
- CHM 122 - Chemistry and Qualitative Analysis (4) (Meets CHEM 1143/1144)
- PHY 111 - Introduction to Physics I (4) (Meets PHYS 2141/2142)
- PHY 112 - Introduction to Physics II (4) (Meets PHYS 2143/2144)

### III. ADDITIONAL ASSOCIATE DEGREE REQUIREMENTS (0 Hours)

- Non-Western and Diversity (0) (This requirement can be fulfilled within the humanities or social behavioral sciences category.)

**REQUIRED A.S. DEGREE PROGRAM TOTAL: 60 Hours** (62 Hours as written)

\* Refer to the WCC AA/AS guidelines for a list of General Education course choices.

## IV. TO BE COMPLETED AT WCC OR GSU (8 Hours)

- CHM 231 - Organic Chemistry I (4) (Meets CHEM 3531/3532)
- CHM 232 - Organic Chemistry II (4) (Meets CHEM 3533/3534)

## V. TO BE TAKEN AT GSU (50 Hours)

### Required Courses (40 Hours)

- BIOL 3099 - Biology Junior Seminar (3)
- BIOL 3316 - Plant Diversity Lecture (2)
- BIOL 3317 - Plant Diversity Laboratory (1)
- BIOL 3320 - Animal Diversity (2)
- BIOL 3321 - Animal Diversity Lab (1)
- BIOL 3322 - Ecology (3)
- BIOL 3323 - Ecology Laboratory (1)
- BIOL 3340 - Genetics (3)
- BIOL 3360 - Comparative Anatomy (3)
- BIOL 3361 - Comparative Anatomy Laboratory (1)
- BIOL 3370 - Cell Biology (3)
- BIOL 3371 - Cell Biology Laboratory (1)
- BIOL 4450 - Animal Physiology (3)
- BIOL 4451 - Animal Physiology Laboratory (1)
- BIOL 4460 - Plant Physiology Lecture (3)
- BIOL 4461 - Plant Physiology Laboratory (1)
- BIOL 4465 - Senior Capstone: Evolution (3)
- BIOL 4990 - Undergraduate Research I (1)
- BIOL 4992 - Undergraduate Research II (1)
- STAT 4219 - Statistical Methods (3)

### Advanced Selectives (9 Hours)

Please see GSU Catalog for the approved list and other biology courses as approved by GSU academic advisor.

### Electives (1 Hours)

**Minimum Required for BS in Biology: 120 hours**

### For Additional Information:

**Governors State University  
Office of Admission  
(708) 534-4490**

[TransferGuide@govst.edu](mailto:TransferGuide@govst.edu)

[Visit the College of Arts and Sciences at  
www.govst.edu/cas](http://www.govst.edu/cas)

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[Visit Waubonsee Community College at  
www.waubonsee.edu](http://www.waubonsee.edu)

GSU Transfer Guide 3.21.2019