

## **Associate of Arts to Bachelor of Science in Biology with Teacher Education**

The following is presented as an articulation agreement between Joliet Junior College (JJC) 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 Arts (AA) degree from JJC and a Bachelors of Science (BS) degree in Biology with a concentration in Teacher Education from GSU.

### **I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (41-42 Hours)** (Refer to the AA/AS Degree Guidelines for a list of courses in Section I)

#### **Communications (9 hours)**

- ENG 101 - Rhetoric (3)
- ENG 102 - Rhetoric (3)
- SPCH 101 - Principles of Speech (3)

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

- Humanities Course (3)\*
- Fine Arts Course (3)\*
- Non-Western Fine Arts or Humanities course (3)\*

#### **Mathematics (4-5 hours)**

- MATH 150 **OR** 170 - Mathematical Analysis for Business (4) **OR**  
Calculus with Analytical Geometry I (5) (Meets MATH 2281)

#### **Physical and Life Sciences (10 hours)**

- BIO 151 - General Biology I (5) (Meets BIOL 1500/1501)
- CHEM 101 - General Chemistry I (5) (Meets CHEM 1141/1142)

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

- HIST 103 - History of the United States to 1865 (3) (Meets HIST 1110) **OR**
- HIST 104 - History of the United States, 1865 to Present (3) (Meets HIST 1120)
- PSCI 101 - American National Government (3) (Meets POLS 2100)
- PSYC 101 - General Psychology (3) (Meets PSYC 1101)

### **II. AREA OF CONCENTRATION/MAJOR FIELD (23 hours)**

- BIO 152 - General Biology II (5) (Meets BIOL 1510/1511)
- CHEM 102 - General Chemistry II (5) (Meets CHEM 1143/1144)
- EDUC 101 - Introduction to Education (3) (Meets EDUC 2310)
- PHYS 101 - General Physics I (5) (Meets PHYS 2141/2142)
- PHYS 102 - General Physics II (5) (Meets PHYS 2143/2144)

**REQUIRED A.A. DEGREE PROGRAM TOTAL: 64 Hours** (64-65 hours as written)

\* Refer to the JJC AA/AS guidelines for a list of course choices in Sections I and II.

# Transfer Guide



## III. TO BE COMPLETED AT JJC OR GSU (21-25 hours)

Educational Technology (JJC EDUC 115 or GSU EDUC 2101) (3)

Organic Chemistry I & II w/labs

(JJC CHEM 209/210 or GSU CHEM 3531/3532/3533/3534) (8-10)

Microbiology (JJC BIO 240 or GSU BIOL 4430/4431) (4)

Special Education (JJC EDUC 240 or GSU SPED 2100) (3)

Zoology (JJC BIO 220 or GSU BIOL 3320/3321) (3-5)

## IV. TO BE COMPLETED AT GSU (59 Hours)

### Required Courses (36 hours)

- |           |                                      |
|-----------|--------------------------------------|
| BIOL 3099 | - Biology Junior Seminar (3)         |
| BIOL 3316 | - Plant Diversity Lecture (2)        |
| BIOL 3317 | - Plant Diversity Laboratory (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 4080 | - Special Topics in Biology (3)      |
| BIOL 4990 | - Undergraduate Research I (1)       |
| BIOL 4992 | - Undergraduate Research II (1)      |
| PHYS 1200 | - Earth and Space Science (3)        |
| STAT 4219 | - Statistical Methods (3)            |

*Select one of the following:*

- |                |                                 |
|----------------|---------------------------------|
| BIOL 4450/4451 | - Animal Physiology and Lab (4) |
| BIOL 4460/4461 | - Plant Physiology and Lab (4)  |

### Required Education Courses (23 hours)

- |           |  |
|-----------|--|
| EDUC 3440 | - Educational Psychology II (3)          |
| EDUC 4301 | - Secondary Microteaching 1 (1)          |
| EDUC 4302 | - Secondary Microteaching 2 (1)          |
| EDUC 4330 | - Principles of Science Education (3)    |
| EDUC 4340 | - Teaching Secondary School Science (3)  |
| EDUC 4999 | - Student Teaching: Senior Capstone (12) |

## Minimum Required for the BS in Biology with Teacher Education: 134 Hours

(144-149 hours as written)

### For Additional Information:

**Governors State University**

**Office of Admission**

**(708) 534-4490**

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

[www.govst.edu/cas](http://www.govst.edu/cas)

**Joliet Junior College**

**Career and Transfer Center**

**(815) 280-2449**

[Visit Joliet Junior College at www.jjc.edu](http://www.jjc.edu)

GSU Transfer Guide 12.11.2019

