

## **Secondary Science Education to Bachelor of Science in Biology with Teacher Education**

The following is presented as an articulation agreement between Iowa Wesleyan (IW) and Governors State University (GSU) for the Biology degree program based on the current catalogs of both schools. The student in their freshman or sophomore year would transfer from Iowa Wesleyan and a Bachelors of Science (BS) degree in Biology with a concentration in Teacher Education from GSU.

### **I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (39 Hours)**

#### **Communication (9 Hours)**

- ENG 109 - College Composition (3) (Meets ENGL-1000)
- ENG 110 - College Research (3) (Meets ENGL-1010)
- COMM 147 - Intro to Public Speaking (3) (Meets COMM-1000)

#### **Mathematics (4 hours)**

- MATH 171 - Elementary Statistics (4) (Meets MATH-2100)

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

- EDUC 338 - Children's Literature (3) (Meets ENGL-2131)
- Fine Arts Course (3)\*
- Non-Western Fine Arts or Humanities course (3)\*

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

- BIO 105 - General Biology I (4) (Meets BIOL 1500/1501)
- CHEM 175 - General Chemistry I with Lab (4) (Meets CHEM 1141/1142)

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

- US History (3)
- PSCI 101 - American National Government (3) (Meets POLS 2100)
- PSYC 251 - Developmental Psychology (3) (Sub for PSYC 1101)

### **II. AREA OF CONCENTRATION/MAJOR FIELD (33 hours)**

- EDUC 110 + 215 - Tech App in the Classroom (3) (Meets EDCP-2101)
- EDUC 301 - Ed of Exceptional Persons (3) (Meets SPED-2100)
- EDUC 296 - Ed Psychology (3) (Meets EDUC-3440)
- BIO 205 - General Biology II (4) (Meets BIOL 1510/1511)
- BIO 260 - Ecology and Conservation (4) (Meets BIOL-3322/3323)
- CHEM 176 - Gen Chem II with Lab (4) (Meets CHEM 1143/1144)
- CHEM 355 - Organic Chem I with Lab (4) (Meets CHEM-3531/3532)
- PHYS 210 - General Physics I (4) (Meets PHYS 2141/2142)
- PHYS 220 - General Physics II (4) (Meets PHYS 2143/2144)

**Transferrable: 72 Hours**

### III. TO BE COMPLETED AT GSU (67 Hours)

#### Required Courses (44 hours)

CHEM 3533/3534	- Organic Chemistry II with Lab (4)
BIOL 3099	- Biology Junior Seminar (3)
BIOL 3316/3317	- Plant Diversity Lecture with Lab (3)
BIOL 3320/3321	- Animal Diversity with Lab (3)
BIOL 3340	- Genetics (3)
BIOL 3360/3361	- Comparative Anatomy with Lab (4)
BIOL 3370/3371	- Cell Biology with Lab (4)
BIOL 4080	- Special Topics in Biology (3)
BIOL 4430/4431	- Microbiology wot Lab (4)
BIOL 4990	- Undergraduate Research I (1)
BIOL 4992	- Undergraduate Research II (1)
MATH 2281	- Applied Calculus (4)
PHYS 1200	- Earth and Space Science (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 2310	- Foundations of Education (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: 139 Hours**

**\* Must complete any required or selective courses not completed at Iowa Wesleyan.**

**For Additional Information:**

**Governors State University  
College of Arts and Sciences  
[cas@govst.edu](mailto:cas@govst.edu)**

**Transfer Credit Evaluator at  
<https://govst.transfer.degree/>**