



Associate of Arts or Science to Bachelor of Science in Biology with Teacher Education

Courses taken at JJC

ENG 101	Rhetoric
ENG 102	Rhetoric
COMM 101	Principles of Speech Communication
GEN ED	Humanities course (3 credit hours)**
GEN ED	Fine Arts course (3 credit hours)**
GEN ED	Non-Western Fine Arts or Humanities course (3 credit hours)**
MATH 150 or	Mathematical Analysis for Business or
MATH 170	Calculus with Analytical Geometry 1
BIO 151	General Biology I
CHEM 101	General Chemistry I
HIST 103	History of the United States to 1865; or HIST 104 History of the United States, 1865 to Present**
PSCI 101	American National Government
PSYC 101	General Psychology
BIO 152	General Biology II
BIO 220	General Zoology
CHEM 102	General Chemistry II
PHYS 101	General Physics I
PHYS 102	General Physics II

Total JJC Credits: 66-67*

Note: Students can complete up to 80 hours at JJC by taking additional electives reducing the GSU electives.

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Courses taken at GSU

CHEM	Organic Chemistry I & II w/labs***
EDUC	Intro to Education***
BIOL	Microbiology***
SPED	Special Education***
BIO 3099	Biology Junior Seminar
BIOL 3316	Plant Diversity Lecture
BIOL 3317	Plant Diversity Laboratory
BIOL 3322	Ecology
BIOL 3323	Ecology Laboratory
BIOL 3340	Genetics
BIOL 3360	Comparative Anatomy
BIOL 3361	Comparative Anatomy Laboratory
BIOL 3370	Cell Biology
BIOL 3371	Cell Biology Laboratory
BIOL 4080	Special Topics in Biology
BIOL 4990	Undergraduate Research I
BIOL 4992	Undergraduate Research II
PHYS 1200	Earth and Space Science
STAT 4219	Statistical Methods
BIOL	Select one of the following: BIOL 4450/4451 - Animal Physiology and Lab; or BIOL 4460/4461 - Plant Physiology and Lab **
EDUC 3440	Educational Psychology II
EDUC 4301	Secondary Microteaching 1
EDUC 4302	Secondary Microteaching 2
EDUC 4330	Principles of Science Education
EDUC 4340	Teaching Secondary School Science
EDUC 4999	Student Teaching: Senior Capstone

Total GSU Credits: 77-79*

Total Degree Credits: 143-146*

Minimum required for the BS in Biology with Teacher Education: 134 hours (143-146 hours as written)*





*This transfer guide is a sample curriculum. Additional courses may be required based on placement test scores. Please work with your faculty advisor or success coach prior to course registration.

**Courses are to be chosen in consultation with an academic advisor.

***May be completed at JJC or GSU: Organic Chemistry I & II w/labs: JJC CHEM 209/210 or GSU CHEM 3531/3532/3533/3534 (8-10 credit hours), Microbiology: JJC BIO 240 or GSU BIOL 4430/4431 (4 credit hours), Intro to Education: JJC EDUC 101 or GSU EDUC 2310, Special Education: JJC EDUC 240 or GSU SPED 2100.

About GSU's Program:

As a student in GSU biology program, you will encounter the natural world, decipher its codes and understand its complexities. As a student of education, you also learn how to teach valuable skills and understanding to the next generation of scientists, researchers and environmentally aware citizens. The curriculum for the undergraduate major in biology with a teacher education concentration provides you with a strong background in the basic concepts of molecular, organismic and population biology. The sequence of coursework is approved by the Illinois State Board of Education and leads to an initial secondary certificate in biology. You can also obtain an endorsement for teaching in middle school. To be recommended for an Illinois State Board of Education teaching certificate, you must present evidence of having passed the Test of Academic Proficiency (formerly Basic Skills), Subject Matter Knowledge and Assessment of Professional Teaching examinations of the Illinois Certification Testing System.

About JJC's Program:

Whether you've always known what you wanted to study in college or you're undecided, JJC offers more than 180 degree and certificate programs to choose from. It doesn't matter if you're planning to transfer or complete your degree here - JJC can help guide you as you journey toward your future career. Associate in Arts degrees are for those intending to transfer to a four year university after JJC and major in the social sciences, humanities, fine arts, and other majors falling under the arts. See the Associate in Arts page for curriculum requirements.

Questions:

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Student Advising Center

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