

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

The following is presented as an articulation agreement between Joliet Junior College (JJC) and Governors State University (GSU) for the Chemistry degree program based on the current catalogs of both schools. The student would receive an Associate of Arts or Science (AA or AS) degree from JJC and an American Chemical Society (ACS) approved Bachelors of Science (BS) degree in Chemistry with a concentration in Teacher Education from GSU.

I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (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)*
- Humanities or Fine Arts Course (3)*

Mathematics (5 hours)

- MATH 170 - Calculus with Analytical Geometry I (5) (Meets MATH 2290)

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 (24 hours)

- BIO 152 - General Biology II (5) (Meets BIOL 1510/1511)
- CHEM 102 - General Chemistry II (5) (Meets CHEM 1143/1144)
- CHEM 209 - Organic Chemistry I (5) (Meets CHEM 3531/3532)
- CHEM 210 - Organic Chemistry II (5) (Meets CHEM 3533/3534)
- MATH 171 - Calculus with Analytical Geometry II (4) (Meets MATH 2292)

REQUIRED A.A./A.S. DEGREE PROGRAM TOTAL: 64 Hours (66 hours as written)

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

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

Transfer Guide



III. TO BE COMPLETE AT JJC OR GSU (21-24 Hours)

Analytical Chemistry (4-5) (JJC CHEM 105 or GSU CHEM 3233/3234)
Educational Technology (JJC EDUC 115 or GSU EDUC 2101) (3)
Intro to Education (JJC EDUC 101 or GSU EDUC 2310) (3)
Physics I (JJC PHYS 201 or GSU PHYS 2171/2172) (4-5)
Physics II (JJC PHYS 202 or GSU PHYS 2181/2182) (4-5)
Special Education (JJC EDUC 240 or GSU SPED 2100) (3)

IV. TO BE COMPLETED AT GSU (52-54 Hours)

Required Courses (28 hours)

BIOL 4080	- Special Topics in Biology (3)
CHEM 3099	- Chemistry Junior Seminar (3)
CHEM 3641	- Physical Chemistry I: Lecture (3)
CHEM 3642	- Physical Chemistry I: Laboratory (1)
CHEM 3643	- Physical Chemistry II: Lecture (3)
CHEM 3644	- Physical Chemistry II: Laboratory (1)
CHEM 4331	- Biochemistry: Lecture I (3)
CHEM 4332	- Biochemistry: Laboratory (1)
CHEM 5145	- Environmental Chemistry (3)
CHEM 5146	- Environmental Chemistry with Lab (1)
PHYS 1200	- Earth and Space Science (3)
STAT 4219	- Statistical Methods (3)

Chemistry Selective (1-3 hours)

CHEM 4962 - Undergraduate Research (2) **OR**
CHEM 1990 - Chemistry Research (1-3)

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 Chemistry with Teacher Education: 129 Hours
(139-144 hours as written)

For Additional Information:

Governors State University

Office of Admission

(708) 534-4490

TransferGuide@govst.edu

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 12.10.2019

