

**Transfer Guide for Associate of Arts  
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 – Teacher Education 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 Chemistry with Teacher Certification from GSU. **The BS in Chemistry – Teacher Education program has special admissions requirements; please refer to the GSU catalog.**

**I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (37-41 credits)**

(Refer to the AA/AS Degree Guidelines for a list of courses in Section I)

**Communications (9 credits)**

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

**Humanities and Fine Arts (9 credits)**

One Humanities course (3)*
One Fine Arts course (3)*
Third World or Nonwestern Cultures Humanities course (3)*

**Mathematics (5 credits)**

MATH 170	- Calculus with Analytical Geometry I (5)
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**Physical and Life Sciences (10 credits)**

Select one life science course and one physical science course. One course must have a lab.

BIO 151	- General Biology I (5)
CHEM 101	- General Chemistry I (5)

**Social and Behavioral Sciences (9 credits)**

PSYC 101	- General Psychology (3)
PSCI 101	- American National Government (3)
HIST 103 or 104	- History of the United States (3)

**II. AREA OF CONCENTRATION/MAJOR FIELD (25-26 credits)**

BIO 152	- General Biology II (4)
CHEM 102	- General Chemistry II (5)
CHEM 209	- Organic Chemistry I (5)
CHEM 210	- Organic Chemistry II (5)
HEAL 109 or BIO 103	- Principles of Normal Nutrition or Health (2-3)
MATH 171	- Calculus with Analytical Geometry II (4)

**REQUIRED A.S. DEGREE PROGRAM TOTAL: 64 credits (67-68 as written)**

\* Refer to the JJC AA/AS guidelines for a list of course choices in Section I

(over)

**III. TO BE COMPLETED AT JJC OR GSU (a maximum of 7 hours can be completed at JJC):**

JJC	PHYS 101 + 102	- General Physics I & II (10) or
GSU	PHYS 352/353 + 362/363	- Intermediate Physics I & II with labs (8)

**IV. TO BE COMPLETED AT GSU:**

**Required Courses: (57 hours)**

CHEM 315	- Analytical Chemistry (3)
CHEM 316	- Analytical Chemistry Lab (1)
CHEM 350	- Chemical Safety (1)
CHEM 366	- Physical Chemistry I: Lecture (3)
CHEM 367	- Physical Chemistry I: Laboratory (1)
CHEM 368	- Physical Chemistry II: Lecture (3)
CHEM 369	- Physical Chemistry II: Laboratory (1)
CHEM 505	- Environmental Chemistry Lecture (3)
CHEM 506	- Environmental Chemistry Laboratory (1)
CHEM 544	- Biochemistry: Lecture (3)
CHEM 545	- Biochemistry: Laboratory (1)
EDCP 500	- Introduction to Educational Technology (3)
EDUC 310	- Foundations of Education (3)
EDUC 433	- Principles of Science Education (3)
EDUC 434	- Teaching Secondary School Science (3)
EDUC 440	- Education Psychology in Action (3)
EDUC 499	- Student Teaching: Secondary Chemistry (12)
PHYS 305	- Earth and Space Science (3)
SPED 510	- Survey of Exceptional Students (3)
STAT 520	- Statistical Methods (3)

**Chemistry Selective (1 hour)**

Select one of the following, which must be taken at the upper-division level:

CHEM 485	- Undergraduate Research Experience (2)
CHEM 490	- Chemistry Research (1-4)

**Minimum Required for the BS in Chemistry with Teacher Certification: 126 hours**

**For Additional Information:**

**Governors State University**

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

**Office of Admission**

**(708) 534-4490**

**Joliet Junior College**

[www.jjc.edu](http://www.jjc.edu)

**Transfer Center**

**(815) 280-2449**