Associate of Arts or Science to Bachelor of Science in Chemistry

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 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)

One Humanities Course (3)*
One Fine Arts Course (3)*
One 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) (recommended)
CHEM 101	- General Chemistry I (5) (Meets CHEM 1141/1142)

Social and Behavioral Sciences (9 hours)

Select three courses in at least two different disciplines
Social and Behavioral Science Courses (9)*

II. AREA OF CONCENTRATION/MAJOR FIELD (22 hours)

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)
Free Electives (3)*	

REQUIRED A.A./A.S. DEGREE PROGRAM TOTAL: 64 Hours

* 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.

III. TO BE COMPLETE AT JJC OR GSU (15-18 Hours)

Analytical Chemistry (4-5) (JJC CHEM 105 or GSU CHEM 3233/3234)
Differential Equations (JJC MATH 220 OR GSU MATH 2271) (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)

IV. TO BE COMPLETE AT GSU (40-41 Hours)

Required Courses (30 hours)

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 4443	- Advanced Inorganic Chemistry (3)
CHEM 4444	- Advanced Inorganic Chemistry Laboratory (1)
CHEM 4552	- Intro to Chemistry Software and Molecular Modeling (1)
CHEM 4743	- Instrumental Analysis (3)
CHEM 4744	- Instrumental Analysis Laboratory (1)
CHEM 4965	- Senior Capstone and thesis in Chemistry (3)
STAT 4219	- Statistical Methods (3)

Advanced Laboratory Selective (2)

Select one of the following laboratory courses:

CHEM 4952	- Organic Synthesis & Structural Methods (2)
CHEM 4962	- Undergraduate Research Experience (2)

Advanced Selectives (6 hours)

See GSU Academics Catalog or Advisor for list of course choices.

Electives (2-3 hours)

Minimum Required for the BS in Chemistry: 120 Hours

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

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