

Associate of Arts or Science to Bachelor of Science in Chemistry

The following is presented as an articulation agreement between Kankakee Community College (KCC) 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 KCC and a Bachelors of Science (BS) degree in Chemistry from GSU.

I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (48 Hours) (Refer to the AA/AS Degree Guidelines for a list of courses in Section I)

Communications (9 hours)

- ENGL 1613 - English I (3)
- ENGL 1623 - English II (3)
- SPCH 1553 - Introductory Speech (3)

Humanities and Fine Arts (9 hours)

- Fine Arts course (3)*
- Humanities course (3)*
- Humanities or Fine Arts course (3)*

Mathematics (9 hours)

- MATH 2515 - Calculus & Analytic Geometry I (5) (Meets MATH 2290)
- MATH 2524 - Calculus & Analytic Geometry II (4) (Meets MATH 2292)

Physical and Life Sciences (12 hours)

- BIOL 1514 - General Biology I (4)
- CHEM 1514 - General Chemistry I (4) (Meets CHEM 1141/1142)
- PHYS 2614 - Physics I (4) (Meets PHYS 2171/2172)

Social and Behavioral Sciences (9 hours)

Social and Behavioral Science courses from two different disciplines (9)*

II. AREA OF CONCENTRATION/MAJOR FIELD (16 Hours)

- CHEM 1524 - General Chemistry II (4) (Meets CHEM 1143/1144)
- CHEM 2714 - Organic Chemistry I (4) (Meets CHEM 3531/3532)
- CHEM 2724 - Organic Chemistry II (4) (Meets CHEM 3533/3534)
- PHYS 2624 - Physics II (4) (Meets PHYS 2181/2182)

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

* Refer to the KCC AA/AS guidelines for a list of course choices in Section I and II.

III. TO BE COMPLETED AT KCC OR GSU (3 Hours)

Differential Equations (3) (KCC MATH 2613 or GSU MATH 2271)

* Refer to the KCC or GSU catalog for a list of course choices in Section III.

IV. TO BE COMPLETED AT GSU (53 Hours)

Required Courses (33 hours)

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| CHEM 3099 | - Chemistry Junior Seminar (3) |
| CHEM 3233 | - Analytic Chemistry (3) |
| CHEM 3234 | - Analytic Chemistry Laboratory (1) |
| 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 hours)

Select one of the following laboratory courses:

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| 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 (12 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
[Visit the College of Arts and Sciences at
www.govst.edu/cas](http://www.govst.edu/cas)

Kankakee Community College
Transfer Center
(815) 802-8208

[Visit Kankakee Community College at
www.kcc.edu/transfer](http://www.kcc.edu/transfer)