

## Associate of Arts or Science to Bachelor of Science in Chemistry

The following is presented as an articulation agreement between Morton and 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 Morton College (MC) and a Bachelors of Science (BS) degree in Chemistry from Governors State University (GSU).

### **I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (42 Hours)**

#### **Communications (9 hours)**

- ENG 101 - Rhetoric I (3)
- ENG 102 - Rhetoric II (3)
- SPE 101 - Principles of Public Speaking (3)

#### **Humanities and Fine Arts (9 hours)**

- Fine Arts Course (3)\*
- Humanities Course (3)\*
- Humanities or Fine Arts Course (3)\*

#### **Mathematics (5 hours)**

- MAT 201 - Calculus I (5) (Meets MATH 2290)

#### **Physical and Life Sciences (10 hours)**

- BIO 110 - Biology: A Cellular Approach (5) (recommended)
- CHM 105 - General Chemistry I (5) (Meets CHEM 1141/1142)

#### **Social and Behavioral Sciences (9 hours)**

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

### **II. AREA OF CONCENTRATION/MAJOR FIELD (20 hours)**

- CHM 106 - General Chemistry II (5) (Meets CHEM 1143/1144)
- MAT 202 - Calculus II (5) (Meets MATH 2292)
- PHY 105 - Physics I (5) (Meets PHYS 2171/2172)
- PHY 205 - Physics II (5) (Meets PHYS 2181/2182)

### **III. ADDITIONAL ASSOCIATE DEGREE REQUIREMENTS (2 hours)**

- Health, Technology and College Readiness Course (2)\*

**REQUIRED A.A./A.S. DEGREE PROGRAM TOTAL: 62 Hours** (64 hours as written)

**\* Refer to the Morton AA/AS guidelines for a list of course choices in Section I and III.**

#### IV. TO BE TAKEN AT GSU OR MORTON COLLEGE (11-13 Hours)

Differential Equations (MC MAT 215 or GSU MATH 2271) (3)

Organic Chemistry I & II w/labs (MC CHEM 205/206 or GSU CHEM 3531/3532/3533/3534) (8-10)

#### V. TO BE COMPLETED AT GSU (43-45 Hours)

##### Required Courses (34 hours)

CHEM 3099	- Chemistry Junior Seminar (3)
CHEM 3233	- Analytical Chemistry (3)
CHEM 3234	- Analytical 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:

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 (1-3 hours)

#### Minimum Required for BS in Chemistry: 120 Hours

##### For Additional Information:

**Governors State University**

**Office of Admission**

**(708) 534-4490**

[Email TransferGuide@govst.edu](mailto:EmailTransferGuide@govst.edu)

[College of Arts and Sciences at](http://CollegeofArtsandSciencesat.govst.edu)

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

**Morton College**

**Transfer Center**

**(708) 656-8000 Ext 245**