

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

The following is presented as an articulation agreement between the City Colleges of Chicago (CCC) and Governors State University (GovState) 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 one of the CCC and a Bachelors of Science (BS) degree in Chemistry a concentration in Teacher Education from GovState.

### I. GENERAL EDUCATION CORE CURRICULUM (42 Hours)

#### Communications (9 hours)

- ENGLISH 101 - Composition (3)
- ENGLISH 102 - Composition (3)
- SPEECH 101 - Fundamentals of Speech Communications (3)

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

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

#### Mathematics (5 hours)

- MATH 207 - Calculus and Analytic Geometry I (5) (Meets MATH 2290)

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

- BIOLOGY 121 - Biology I (5) (Meets BIOL 1500/1501)
- CHEM 201 - General Chemistry I (5) (Meets CHEM 1141/1142)

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

- HISTORY 111 - History American People to 1865 (3) (Meets HIST 1110) **OR**
- HISTORY 112 - History American People from 1865 (3) (Meets HIST 1120)
- POLSCI 201 - National Government (3) (Meets POLS 2100)
- PSYCH 201 - General Psychology (3) (Meets PSYC 1101)

### II. ADDITIONAL COLLEGE REQUIREMENTS (0)\*

Human Diversity Requirement (0) (This requirement can be fulfilled within the humanities category by selecting a course with an IAI code ending in N or D.)

### III. AREA OF CONCENTRATION/MAJOR FIELD (21 hours)

- BIOLOGY 122 - Biology II (5) (Meets BIOL 1510/1511)
- CHEM 203 - General Chemistry II (5) (Meets CHEM 1143/1144)
- EDUC 101 - Intro to Education (3) (Meets EDUC 2310)
- EDUC 103 - Students with Disabilities in School (3) (Meets SPED 2100)
- MATH 208 - Calculus and Analytic Geometry II (5) (Meets MATH 2292)

**REQUIRED A.A./A.S. DEGREE PROGRAM TOTAL: 60 Hours** (63 hours as written)

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

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#### IV. TO BE COMPLETED AT CCC OR GovState (19-25 Hours)

Education Technology (CCC EDUC 102 or GovState EDUC 2101) (3)  
 Org. Chemistry I & II (CCC CHEM 205 & 207 or GovState CHEM 3531/3532 & 3533/3534) (8-12)  
 Physics (CCC PHYSIC 221 and 222 or GovState PHYS 2141/2141 and 2143-2144) (8-10)

#### V. TO BE COMPLETED AT GovState (56-58 Hours)

##### Required Courses (32 hours)

BIOL 4080 - Special Topics in Biology (3)  
 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 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 4990 - 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

(137-146 hours as written)

#### For more information: Governors State University

Jaguar Transfer Evaluator at  
<https://govst.transfer.degree/>

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

#### City Colleges of Chicago Transfer Centers

Richard J. Daley College  
 (773) 838-7690  
 Harold Washington College  
 (312) 553-5778  
 Kennedy-King College  
 (773) 602-5285

Malcolm X College  
 (312) 850-7088  
 Olive- Harvey College  
 (773) 291-6537  
 Harry S Truman College  
 (773) 907-4424  
 Wilbur Wright College  
 (773) 481-8200

GovState Transfer Guide 05/08/2024

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