

Chemistry · Associate of Science

Chemistry is the study of the properties, structure, and change of matter. Students will explore atoms, chemical bonds and reactions, the way matter interacts, and the forces that give matter its properties. This program introduces students to Chemistry and it includes courses that are common to all four-year institutions in Colorado.

Career Information

Career paths for Chemistry degree holders include research, quality control, drug research, chemical engineering, and national defense. The Associate of Science (AS) degree in Chemistry prepares students to complete the second half of a Bachelor of Science (B.S.) in Chemistry at a four-year university.

Course Map. Where students have options, recommended courses appear (in brackets).

| Fall 1/ First Semester ~15 credit hours | |
|--|--|
| ENG 121 CHE 111 MAT 201 Arts and Humanities (PHI 112) | <u>Milestones:</u> Complete a CHE, MAT, and ENG course with C or higher Maintain at least 2.0 GPA |
| Spring 1/ Second Semester ~15 credit hours | |
| ENG 122 CHE 112 MAT 202 Social and Behavioral Science (ANT 101, GEO 105 or GEO 106) | <u>Milestones:</u> Complete all ENG requirements with C or higher Maintain at least 2.0 GPA Complete scholarship applications early! Start visiting Transfer schools |
| Fall 2/ Third Semester ~15 credit hours | |
| PHY 211 CHE 211 MAT 203 Arts and Humanities (HUM 115, ART 110, or MUS 120) | <u>Milestones:</u> Submit Graduation Planning Sheet! Apply for admission at Transfer school(s) Maintain at least 2.0 GPA Reach out to department chair/faculty advisor at Transfer school |
| Spring 2/ Final Semester ~15 credit hours | |
| PHY 212 CHE 212 History (HIS 111, 112, 121, or 122) Social and Behavioral Science (ANT 101, GEO 105 or GEO 106) | <u>Milestones:</u> Maintain at least 2.0 GPA Complete scholarship applications early! |

Chemistry
Associate of Science

Valid for school year
2018/2019

Sample Schedules (recommended requirements and electives used as an example)

Full time 2 years

| Fall 1 | Credits 15 | Spring 1 | Credits 16 |
|--|-------------------|--|-------------------|
| ENG 121 CHE 111 MAT 201 PHI 112 | 3 5 5 3 | ENG 122 CHE 112 MAT 202 ANT 101 | 3 5 5 3 |
| Fall 2 | Credits 17 | Spring 2 | Credits 16 |
| PHY 211 CHE 211 MAT 203 HUM 115 | 5 5 4 3 | PHY 212 CHE 212 HIS 121 GEO 105 | 5 5 3 3 |

Part time 3 years (requires summer semesters and one semester with 3 courses)

| Fall 1 | Credits 8 | Spring 1 | Credits 8 | Summer 1 | Credits 5 |
|--------------------|------------------|--------------------|------------------|--------------------|------------------|
| ENG 121 CHE 111 | 3 5 | ENG 122 CHE 112 | 3 5 | MAT 201 | 5 |
| Fall 2 | Credits 8 | Spring 2 | Credits 8 | Summer 2 | Credits 5 |
| CHE 211 PHI 112 | 5 3 | CHE 212 ANT 101 | 5 3 | MAT 202 | 5 |
| Fall 3 | Credits 8 | Spring 3 | Credits 8 | Summer 3 | Credits 7 |
| PHY 211 HIS 121 | 5 3 | PHY 212 HUM 115 | 5 3 | MAT 203 GEO 105 | 4 3 |

Degree Transfer

This degree transfers to the following Colorado Public Four-Year institutions of higher education:

- University of Colorado, Boulder (B.A. Chemistry)
- University of Colorado, Denver (B.S. Chemistry)
- University of Colorado, Colorado Springs (B.A./B.S. Chemistry)
- Adams State University (B.S. Chemistry)
- Colorado Mesa University (B.S. Chemistry)
- Colorado State University-Fort Collins (B.S. Chemistry)
- Colorado State University-Pueblo (B.S. Chemistry)
- Fort Lewis College (B.S. Chemistry, Chemistry option)
- Metropolitan State University of Denver (B.A./B.S. Chemistry)
- University of Northern Colorado (B.S. Chemistry, Biochemistry, Chemistry, Forensic Science, Industrial Chemistry, and Pre-Health emphases)
- Western State Colorado University (B.A. Chemistry, General Chemistry, Biochemistry emphases)