Duluth Campus

Chemistry Minor

Chemistry and Biochemistry

Swenson College of Science and Engineering

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2019
- Required credits in this minor: 29 to 30

Chemistry helps explain the physical world and its processes.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Minor Requirements

Chemistry Minor Courses (29-30 cr)

Chemistry I and II with labs

CHEM 1153 - General Chemistry I [LE CAT, NAT SCI] (4.0 cr)
CHEM 1154 - General Chemistry Lab I [LE CAT, NAT SCI] (1.0 cr)
CHEM 1155 - General Chemistry II (4.0 cr)
CHEM 1156 - General Chemistry Lab II (1.0 cr)

Organic Chemistry I and II with labs

CHEM 2541 - Organic Chemistry I (3.0 cr)
CHEM 2543 - Organic Chemistry I Laboratory (1.0 cr)
CHEM 2542 - Organic Chemistry II (3.0 cr)
CHEM 2544 - Organic Chemistry II Laboratory (1.0 cr)

Additional Chemistry

CHEM 2222 - Quantitative Analysis (3.0 cr)
CHEM 2223 - Quantitative Analysis Laboratory (1.0 cr)
or CHEM 2212 - Environmental Chemistry [NAT SCI, SUSTAIN] (4.0 cr)
or CHEM 2242 *{Inactive}*(4.0 cr)

Chemistry Electives

Take 1 or more course(s) from the following:

- CHEM 3322 - Biochemistry (3.0 cr)
- CHEM 4351 - Biochemistry I (3.0 cr)
- CHEM 4634 *{Inactive}*(3.0 cr)
- CHEM 4641 - Thermodynamics and Kinetics (3.0 cr)

Mathematics

Take 1 or more course(s) from the following:

- MATH 1250 - Precalculus Analysis [LE CAT2, LOGIC & QR] (4.0 cr)
- MATH 1290 - Calculus for the Natural Sciences [LE CAT2, LOGIC & QR] (5.0 cr)
- MATH 1296 - Calculus I [LE CAT, LOGIC & QR] (5.0 cr)

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