

# CHEMISTRY / BIOCHEMISTRY - TRANSFER MAJOR

## Faculty Advisers

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Chemistry is the study of matter, and its interactions with other matter and energy. Matter is anything that has mass and takes up space.

Students who pursue chemistry as their college major can go on to work in: different types of labs; crime forensics; food science; fermentation (making cheese, beer, wine, and more); or teaching. Many careers in science require students to earn a four-year degree or higher.

## Curricular Outcomes

At the completion of this curriculum, students should be able to:

- Retain and apply critical chemistry concepts while enrolled in the curriculum
- Use chemistry principles and logical reasoning skills to solve problems
- Demonstrate proper laboratory techniques with attention to detail, including the use of associated equipment and instrumentation
- Communicate scientific topics effectively
- Recognize connections between chemistry and other disciplines

Students interested in pursuing the Chemistry/Biochemistry major can complete the following courses toward the Science requirement and/or electives on the AS (<https://catalog.mhcc.edu/degree-certificate-requirements/as/>) (recommended), AAOT, AGS or ASLA degrees. Students are highly encouraged to work with a university transfer adviser to choose the right courses.

Code	Title	Credits
CH221Z & CH227Z	General Chemistry I and General Chemistry I Laboratory	5
CH222Z & CH227Z	General Chemistry II and General Chemistry I Laboratory	5
CH223Z & CH227Z	General Chemistry III and General Chemistry I Laboratory	5
CH241	Organic Chemistry I <sup>1</sup>	5
CH242	Organic Chemistry II <sup>1</sup>	5
CH243	Organic Chemistry III <sup>1</sup>	5

<sup>1</sup> This sequence may replace the 300-level organic chemistry requirement at colleges and universities. With an acceptable score on the ACS National Exam and a minimum of a "C" or higher in each course, this sequence transfers as 11-15 credits of 300-level

coursework to all Oregon public universities. Check with your transfer institution to determine any additional organic chemistry requirements.

## Transfer Schools

- Eastern Oregon University (<http://www.eou.edu/chem/>)
- Oregon State University:
  - Chemistry (<http://www.chemistry.oregonstate.edu/>)
  - Biochemistry (<http://biochem.science.oregonstate.edu/>)
- Portland State University (<http://www.pdx.edu/chemistry/>)
- Southern Oregon University (<https://sou.edu/academics/chemistry/programs/chemistry-ba-bs/>)
- University of Oregon (<http://chemistry.uoregon.edu/>)
- Western Oregon University (<http://www.wou.edu/chemistry/>)