

CHEMISTRY

Associate of Arts Oregon Transfer (AAOT) Degree
90 credits

Chemists study the composition and transformations of matter. Chemists work in a wide variety of settings and find employment with government, academic and private institutions. Chemistry is frequently described as the “central science” because of the connections between it and all other scientific disciplines. Earning a degree in chemistry can be the first step toward careers with chemical, materials or pharmaceutical companies, biotech firms or forensic laboratories. It can also be a stepping stone on the route to a professional medical degree, for instance in medicine, physical therapy or pharmacy. Chemists are readily employable after completion of a bachelor’s degree. Earning an Associate of Arts Oregon Transfer (AAOT) degree with a chemistry emphasis is also excellent preparation for bachelor’s degrees in related disciplines such as toxicology, atmospheric science, environmental science or materials science.

The Associate of Arts Oregon Transfer (AAOT) degree meets the state of Oregon transfer degree requirements, allowing students to transfer to an Oregon public university and some out-of-state universities having met all lower-division general education requirements. With appropriate course planning, all lower-division major requirements may also be met. Students should work closely with an advisor to select the best degree option and to review specific transfer requirements.

The department maintains the ability to offer CH 241, 242 and 243 – Organic Chemistry I, II and III – each with laboratory. Please see a chemistry faculty member or the department chair if you have an interest in this subject.

The following is a suggested course of study for students interested in pursuing a bachelor’s degree in chemistry.

Students should check with each school to ensure that the latest transfer information is used when designing their program.

All courses must be completed with a grade of “C” or better.

GENERAL EDUCATION/FOUNDATIONAL REQUIREMENTS**Writing**

WR 121	Academic Composition	4
WR 122 or WR 227	Argument, Research and Multimodal Composition Technical Writing	4

Oral Communication

SP 111 or SP 114 or SP 115 or SP 218 or SP 219	Fundamentals of Public Speaking Argumentation and Critical Discourse Introduction to Intercultural Communication Interpersonal Communication Small Group Communication	3-4
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Mathematics

MTH 105 (or higher)	Math in Society	4
Recommend:		
MTH 111	College Algebra	

Health (3 credits with HHP prefix)		3
HHP activity courses (1 credit each) are not to be duplicated		

GENERAL EDUCATION/DISCIPLINE STUDIES

See the Discipline Studies list for options. One of the courses must be designated on the list as a cultural literacy course.

Arts and Letters 9-12

At least three (3) courses from at least two (2) prefixes.

Social Science 12-16

At least four (4) courses from at least two (2) prefixes.

Science/Math/Computer Science 12-20

At least four (4) courses from at least two (2) prefixes including at least three (3) laboratory courses in biological and/or physical science.

Recommend:

CH 221	General Chemistry I	5
CH 222	General Chemistry II	5
CH 223	General Chemistry III	5
PH 201 or 211	General Physics I	5

ELECTIVES

Recommend:

MTH 251	Calculus I	4
MTH 252	Calculus II	4
MTH 253	Calculus III	4
PH 202 or 212	General Physics II	5
PH 203 or 213	General Physics III	5

TRANSFER INFORMATION

Oregon public universities with a chemistry major include: Eastern Oregon University, Oregon State University, Portland State University, Southern Oregon University, University of Oregon, Western Oregon University.