

GEOLOGY

Associate of Arts Oregon Transfer (AAOT) Degree
90 credits

Geology provides an understanding of the materials that constitute the earth and the processes that have shaped the earth, from its deep interior to the surface landforms. It is a science that addresses problems by combining field investigations with laboratory experiments and theoretical studies. Geology addresses many natural hazards that affect humans, such as earthquakes, flooding and volcanic eruptions. It also addresses the impact of humans on the Earth's surface environment where we extract resources, contaminate ground water, contribute to rapid erosion, or attempt to re-engineer rivers and shorelines. In addition, geology draws upon many other disciplines including biology, chemistry, mathematics and physics in order to understand earth processes in the reference frame of geologic time. Emphasis areas vary among universities and typically include mineralogy, paleontology, environmental geology and geophysics.

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 following is a suggested course of study for students interested in pursuing a bachelor's degree in geology.

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
G 201	Geology I	4
G 202	Geology II	4
G 203	Geology III	4

ELECTIVES

BI 101	General Biology: Cells & Genes	4
BI 102	General Biology: Evolution	4
BI 103	General Biology: Ecology	4
CH 222	General Chemistry II	5
CH 223	General Chemistry III	5
G 148	Volcanoes & Earthquakes	4
G 162CV	Cascades Volcanoes	3
G 207	Geology of the Pacific Northwest ¹	4
GS 108	Oceanography	4
MTH 254	Vector Calculus I	4
MTH 255	Vector Calculus II	4
MTH 256	Applied Differential Equations	4
PH 211	General Physics I	5
PH 212	General Physics II	5
PH 213	General Physics III	5

FOOTNOTE

¹ Lab science.

ADVISING NOTES

Students planning to transfer to Oregon public universities should take the following:

CH 221, 222 and 223
PH 201, 202 and 203 or PH 211, 212 and 213

Those planning to transfer to

- OSU should take MTH 112, 251 and 252
- PSU should take MTH 251, 252, 253 and 254
- SOU should take MTH 111, 112, 251 and 252
- UO should take MTH 251, 252 and 253

Students are strongly encouraged to contact the appropriate transfer university for the most current requirements of their major and emphasis area.

TRANSFER INFORMATION

Oregon universities with a geology major include Oregon State University, Portland State University, Southern Oregon University and University of Oregon.