

BIOLOGICAL SCIENCES

Associate of Arts Oregon Transfer (AAOT) Degree

90 credits

The Associate of Arts Oregon Transfer (AAOT) degree, with a focus in biology, is designed for students who wish to pursue bachelor's degree areas such as health professions, life sciences or natural sciences. Graduates with a Bachelor of Science degree from their transfer institution will be well-equipped for graduate school and other careers in biomedical fields, industry, governmental agencies and non-governmental organizations which require a broad-based education in science, mathematics and communication. Those graduates may enter such fields as conservation or environmental science, science writing, education, botany, forest or marine science, veterinary medicine, agricultural research, pharmaceuticals, human medicine or other life science careers such as research in microbiology, biotechnology, bio-informatics or genetics.

Students are expected to make and maintain communication with their choice of transfer institution while pursuing coursework at the community college level, as some have specific requirements.

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 review specific transfer requirements. The following is a suggested course of study for students interested in pursuing a bachelor's degree in biology.

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 chosen 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:

BI 211	Principles of Biology I	5
BI 212	Biology of Plants II	5
BI 213	Biology of Animals III	5

Plus one additional course from the science/math/computer science Discipline Studies list with a different prefix.

ELECTIVES

Take enough elective courses to meet the minimum 90 credits required for the degree and lower-division major requirements.

CH 221	General Chemistry I ¹	5
CH 222	General Chemistry II ¹	5
CH 223	General Chemistry III ¹	5
FN 225	Human Nutrition	4
MTH 251	Calculus I	4
MTH 252	Calculus II	4
MTH 253	Calculus III	4
PH 201	General Physics I	5
PH 202	General Physics II	5
PH 203	General Physics III	5

The following courses are recommended for those entering health-related fields; these courses are not prerequisites for admission into dental medicine, or veterinary programs, but may help a student preparing for any of those careers.

To enhance understanding of scientific terminology:

BI 205	Scientific Terminology	3
BI 231	Human Anatomy and Physiology I	4
BI 232	Human Anatomy and Physiology II	4
BI 233	Human Anatomy and Physiology III	4
BI 234	Microbiology	4

For a field identification course in the native flora:

BOT 203	General Botany	4
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TRANSFER AND/OR ARTICULATION INFORMATION

Oregon universities with a biology major include: Eastern Oregon University, Oregon Health Sciences University, Oregon State University, Portland State University, Southern Oregon University, University of Oregon, Western Oregon University.

FOOTNOTES

¹ Recommended for students interested in medical, dental and veterinary schools.