

LIFE SCIENCES - ASSOCIATE OF ARTS OREGON TRANSFER (AAOT)

Description

The Associate of Arts Oregon Transfer degree with a focus in life science is designed for students who wish to explore the life sciences. This degree will prepare a student to transfer to an Oregon university with all their lower division general education requirements met and some of their lower division math and science courses completed.

The AAOT in Life Sciences degree option may be best suited to students who are exploring science related pathways, considering blending STEM and humanities interests, or those that require developmental math preparation in their first year at COCC. Students may also choose this degree option if they prefer a terminal associates degree that allows for a variety of courses with a focus in life science.

Completion of this degree does not necessarily guarantee junior standing in the biology or other science major. Students who wish to obtain a Bachelor's of Science in STEM fields and be guaranteed junior status upon transfer to a Oregon university may want to consider the Associates of Science Transfer Degree in Biology ([AST-Biology](#)). Speak with your advisor about which degree is best for you.

Statewide General Education Student Learning Outcomes

Please see the [General Education page](#) for statewide general education student learning outcomes.

Entrance Requirements

While this degree has no formal entrance requirements, individual courses may have prerequisites which must be met before enrollment.

Course Requirements

Course	Title	Credits
General Education/Foundational		
<u>Health:</u>		
Choose three credits ¹		3
<u>Mathematics:</u>		
Choose one course		4
Recommend: MTH 111Z or higher		
<u>Oral Communication:</u>		
Choose one course		3-4
<u>Writing:</u>		
WR 121Z	Composition I	4
WR 122Z	Composition II	4
or WR 227Z	Technical Writing	
General Education/Discipline Studies		
<u>Cultural Literacy:</u>		
One course from the following categories must be designated as cultural literacy on the Discipline Studies list (credits count once).		
<u>Arts and Letters:</u>		
Choose three courses chosen from at least two prefixes		9-12
<u>Social Science:</u>		
Choose four courses from at least two prefixes		12-16

Science/Math/Computer Science:

Choose four courses from at least two prefixes including at least three laboratory courses in biological and/or physical science 12-20

Recommend: BI 223Z, BI 221Z, BI 222Z and MTH 112Z ^{2,3}

Electives

Choose any course numbered 100 or above that brings the total credits to 90 quarter hours. This may include up to 12 credits of Career and Technical Education courses designated by COCC as acceptable. 39

Recommend: CH 221Z & CH 227Z, CH 222Z & CH 228Z, CH 223Z & CH 229Z ⁴

Total Credits **90-106**

¹ HHPA activity courses (1 credit each) are not to be duplicated.

² Principles of Biology Sequence should be started in Fall term with BI 223Z Principles of Biology: Ecology and Evolution, alternatively students may start in Winter Term with BI 221Z Principles of Biology: Cells.

³ BI 101 General Biology: Cells & Genes, BI 102 General Biology: Evolution, BI 103 General Biology: Ecology do not substitute for BI 221Z Principles of Biology: Cells, BI 222Z Principles of Biology: Organisms, BI 223Z Principles of Biology: Ecology and Evolution for a Bachelor's degree in most STEM majors.

⁴ CH 104 Introduction to Chemistry I does not substitute for CH 221Z General Chemistry I & CH 227Z General Chemistry I Laboratory for a bachelor's degree in most STEM majors.

Advising Notes

200-level course in Biology and Chemistry are required for most science majors. BI 101, BI 102, BI 103 do not substitute for BI 221Z, BI 222Z, BI 223Z in most science majors. CH 104 does not substitute for CH 221Z & CH 227Z in most science majors.

Consider BI 231 Human Anatomy and Physiology I; BI 232 Human Anatomy and Physiology II; BI 233 Human Anatomy and Physiology III; BI 234 Microbiology if you are considering health careers such as nursing, medical assisting, or paramedicine.

Consult your advisor about which electives, social science, and arts & letters courses are most appropriate for your intended major.

Performance Standards

Academic Requirements:

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.

Options for additional standards:

- All courses in the program must be completed with a grade of C or higher.

Additional Requirements:

- None

Sample Plan

First Term		Credits
Discipline Studies Social Science		3-4
Elective		4
Mathematics (recommend MTH 111Z or higher)		4
WR 121Z	Composition I	4
Credits		15-16
Second Term		
Discipline Studies Science/Math/Computer Science (Recommend MTH 112Z)		4
Discipline Studies Social Science		3-4
Elective (Recommend CH 221Z & CH 227Z)		5
WR 122Z or WR 227Z	Composition II or Technical Writing	4
Credits		16-17
Third Term		
Discipline Studies Arts & Letters		3-4
Elective (Recommend CH 222Z & CH 228Z)		5
Health (3 credits with HHP or HHPA prefix)		3
Oral Communication:		3-4
Credits		14-16
Fourth Term		
Discipline Studies Arts & Letters		3-4
Discipline Studies Lab Science (recommend BI 223Z)		5
Elective (recommend CH 223Z & CH 229Z)		5
Elective		3-4
Credits		16-18
Fifth Term		
Discipline Studies Lab Science (recommend BI 221Z)		5
Discipline Studies Social Science		3-4
Elective		3-4
Elective		3-4
Credits		14-17
Sixth Term		
Discipline Studies Arts and Letters		3-4
Discipline Studies Lab Science (recommend BI 222Z)		5
Discipline Studies Social Science		3-4
Elective		4
Credits		15-17
Total Credits		90-101