

PHYSICS

Associate of Arts Oregon Transfer (AAOT) Degree
90 credits

While there are small differences between the physics programs, COCC works to provide the courses common to all programs. Students may have to take some additional courses at the university after transferring to reach junior status within their major.

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 physics.

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

English Composition

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

Recommend:

WR 227	Technical Writing	
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Oral Communication

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

Mathematics

MTH 251	Calculus I	4
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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 chosen from at least two (2) prefixes.

Science/Math/Computer Science 12-20

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

Recommend:

MTH 252	Calculus II	4
PH 211	General Physics I	5
PH 212	General Physics II	5
PH 213	General Physics III	5

ELECTIVES

CH 221	General Chemistry I	5
CH 222	General Chemistry II	5
CH 223	General Chemistry III	5
ENGR 201	Electrical Fundamentals	4
ENGR 202	Electrical Fundamentals II	4
ENGR 211	Statics	4
ENGR 212	Dynamics	4
ENGR 213	Strength of Materials	4
GE 101	Engineering Orientation	3
GE 102	Engineering Problem Solving and Technology	3
MTH 253	Calculus III	4
MTH 254	Vector Calculus I	4
MTH 255	Vector Calculus II	4
MTH 256	Applied Differential Equations	4