

# General Education Requirements - Science, Math, & Computer Science

The General Education credits must come from the approved OCCC General Education/Discipline Studies List.

In order to ensure a breadth of learning, which is the cornerstone of the General Education requirements, the following limitations apply:

1. Courses taken to satisfy the basic college competencies in composition and mathematics will not be accepted.
2. For AAS Degrees, no more than two courses may come from courses required by specific programs.\*
3. When an existing course meeting a General Education requirement is expanded into a multi-course sequence with the same course number with varying suffixes (e.g., 101 becomes 101a, 101b, 101c), any course in the sequence may be used to meet the General Education requirement. However, an individual student may use only one course in the sequence toward fulfillment of the requirement, even if the student takes multiple courses in the sequence.

\*Note: Because of these restrictions, it is possible that a course is acceptable as General Education for some students while it is not acceptable for others. Degree candidates who are unsure of how the General Education Policy applies to their individual cases are responsible for seeking help from an advisor or counselor.

The complete and official list of courses approved as General Education/Discipline Studies is maintained by the Instructional Leadership Team.

Criteria for General Education/Discipline Studies Course Approval are developed by the Instructional Leadership Team based on the General Education Philosophy statement and the statewide outcomes and criteria for Discipline Studies for the AAOT.

## Science, Math, & Computer Science Course List

Course	Title	Lab Science
BI 101	Biology	✓
BI 102	Biology	✓
BI 103	Biology	✓
BI 112	Cell Biology for Health Occupations	✓
BI 141	Habitats: Life of the Forest	✓
BI 142	Habitats: Marine Biology	✓
BI 143	Habitats: Fresh Water Biology	✓
BI 211	Principles of Biology 1	✓
BI 212	Principles of Biology 2	✓
BI 231	Human Anatomy & Physiology I	✓
BI 232	Human Anatomy & Physiology II	✓
CH 151	Preparatory Chemistry	✓
CH 221	General Chemistry I	✓
CH 222	General Chemistry II	✓
CH 223	General Chemistry III	✓
CS 160	Exploring Computer Science	
ESR 171	Environmental Science: Biological Perspectives	✓
ESR 172	Environmental Science: Chemical Perspectives	✓
ESR 173	Environmental Science: Geological Perspectives	✓
FN 110	Personal Nutrition	
G 184	Global Climate Change	✓
G 201	Earth Materials and Tectonics	✓
G 202	Earth Surface Processes	✓
G 203	Evolution of Planet Earth	✓
G 207	Geology of the Pacific Northwest	
G 208	Volcanoes and Their Activity	
GS 106	Physical Science (Geology)	✓
GS 107	Physical Science (Astronomy)	✓

GS 108	Physical Science (Oceanography)	✓
GS 109	Physical Science (Meteorology)	✓
MTH 105	Math in Society	
MTH 111	College Algebra	
MTH 112	Elementary Functions	
MTH 211	Foundations of Elementary Math I	
MTH 212	Foundations of Elementary Math II	
MTH 213	Foundations of Elementary Math III	
MTH 243	Statistics I	
MTH 244	Statistics II	
MTH 251	Calculus I	
MTH 252	Calculus II	
MTH 253	Calculus III	
MTH 254	Vector Calculus I	
PHY 101	Force, Motion, and Energy	✓
PHY 102	Atoms, Matter, and Heat	✓
PHY 103	Sound, Light, and Electricity	✓
PHY 201	General Physics	✓
PHY 211	General Physics (Calculus) I	✓