SCIENCE REQUIREMENT

The central concern of Science Distributed Disciplinary Foundation courses at WCU is to expose students to the world-views and toolset of traditional science disciplines. This includes teaching students to observe and to gather and analyze quantitative data, to gain experience with graphical or tabular presentations of quantitative information, and to use quantitative methods to support or refute a hypothesis, as they examine the natural or physical world. Science Distributed Disciplinary Foundations courses emphasize the cognitive skills of critical thought, creativity, analysis, and synthesis that are central to a foundation in general education, and have content directed largely toward the experimental study of the natural or physical world using the commonly accepted methods of science.

Students must earn 6-8 credits of Science Distributed Disciplinary Foundations coursework. Students must select courses from two different disciplines. Students must select courses outside of the student's major.

This requirement can be fulfilled via transfer credits.

Code	Title	Credits
BIO 100	Basic Biological Science	3
BIO 110	General Biology I	4
CHE 100	Concepts of Chemistry	3
CHE 102	General Chemistry I with Support	4
CHE 103	General Chemistry I	3
CHE 107	General Chemistry for Allied Health Sciences	4
CHE 160	The Chemistry of Beer	3
CSC 110	Fundamentals in Computer Science	3
CSC 112	Programming & Data Science	3
CSC 115	Introduction to Computer Programming	3
CSC 116	Computational Thinking for Problem Solving	3
CSC 141	Computer Science I	3
ESS 101	Introduction to Geology	3
ESS 111	Other Worlds, Other Stars	3
ESS 112	Galaxies and Cosmology	3
ESS 127	Movies, Media, and Entertainment from an Earth and Space Science Perspective	3
ESS 128	The Science of Natural Disasters	3
ESS 130	Our Ocean	3
ESS 170	Introduction to Our Atmosphere	3
GEO 104	Introduction to Geospatial Technology and Analytics	3
HEA 258	Introduction to Epidemiology	3
HON 122	Computer Science for Social Justice	3
HON 314	Science, Technology, and Environmental Systems	3
NTD 303	Introductory Principles Human Nutrition	3
PHY 100	Elements of Physical Science	3
PHY 105	Structure of the Universe	3
PHY 123	Food, Fire, and Physics: The Science of Cooking	3
PHY 130	General Physics I	4
PHY 170	Physics I	4
SCI 100	Climate Change	3
SCI 101	Earth and Its Systems	3
SCI 102	Life, Matter, and Energy	3
SCI 103	Science in the Arts: Color and Music	3