

# The World of Science and Nature

(RQ 3153)

**Description:** In a society where arguments and claims often rely on scientific and statistical studies, a fundamental understanding of the natural world and the scientific method along with their contributions to and impact on society is essential. Students should be able to evaluate scientific arguments using evidence-based reasoning.

Students will be able to:

1. Apply scientific method to test hypotheses, or
2. Analyze the structure and/or function of natural phenomena, or
3. Use quantitative methods as a tool to better understand the natural world

(RQL 3153-10)

<b>BIOLOGY</b>	
BIOL 0080	Life Sciences
BIOL 0083	Human Ecology
BIOL 0085	Human Health & Disease
BIOL 0110	General Biology 1
BIOL 0120	General Biology 2
BIOL 0950	Anatomy and Physiology 1
BIOL 0970	Anatomy and Physiology 2
BIOL 0980	Medical Microbiology
BIOL 1130	Biology of Plants
BIOL 1158	Plant Diversity Local Flora
BIOL 1170	Vertebrate Biology
BIOL 1175	Ornithology
BIOL 1515	General Ecology

(RQL 3153-20)

<b>CHEMISTRY</b>	
CHEM 0080	Chemistry, Man & Society
CHEM 0085	Drugs and the Human Body
CHEM 0111	General Chemistry 1
CHEM 0112	General Chemistry 2
CHEM 0150	General Chemistry 1 for Engineers
CHEM 0151	General Chemistry 2 for Engineers
CHEM 0190	Chemistry for the Health Professions

(RQL 3153-30)

<b>COMPUTER SCIENCE</b>	
CS 0015	Intro to Computer Programming
CS 0081	Computer Literacy
CS 0100	Perspectives in Computer Science
CS 0417	Intern Programming Using Java

(RQL 3153-40)

<b>ENVIRONMENTAL STUDIES</b>	
ENVSTD 0100	Intro to Environmental Studies

(RQL 3153-50)

<b>GEOGRAPHY</b>	
GEOG 0210	Physical Geography

(RQL 3153-60)

<b>GEOLOGY</b>	
GEOL 0010	Principles of Astronomy
GEOL 0015	Physical Geology
GEOL 0024	Meteorology
GEOL 0061	Historical Geology
GEOL 0083	Intro to Physical Oceanography
GEOL 0086	Environmental Geology
GEOL 0087	The Earth's Climate
GEOL 0090	Earthquakes & Volcanoes
GEOL 0091	Prehistoric Life
GEOL 0092	Geology of National Parks (Eff Fall 2019)
GEOL 0093	Geology and Cinema (Eff. Fall 2019)
GEOL 1202	Introduction to Paleontology

(RQL 3153-70)

<b>MATHEMATICS</b>	
MATH 0002	College Algebra
MATH 0004	Pre-Calculus, Functions & Trigonometry
MATH 0071	Structure of the Real Number System
MATH 0080	Fundamentals of Modern Math
MATH 0121	Business Calculus
MATH 0212	Introduction to Biostatistics
MATH 0221	Analytic Geometry & Calculus 1
MATH 0231	Analytic Geometry & Calculus 2
MATH 0241	Analytic Geometry & Calculus 3
MATH 0401	Discrete Mathematical Structures

(RQL 3153-75)

<b>NATURAL SCIENCE</b>	
NATSC 0080	Integrated Sciences

(RQL 3153-80)

<b>PHILOSOPHY</b>	
PHIL 0120	Environmental Ethics
PHIL 0445	Philosophy of Technology
PHIL 0501	Introduction to Logic
PHIL 1201	History of 20th-Century Analytic Philosophy
PHIL 1461	Epistemology (Theory of Knowledge)
PHIL 1481	Metaphysics
PHIL 1501	Symbolic Logic
PHIL 1611	Intro to Philosophy of Science
PHIL 1660	Paradox

(RQL 3153-90)

<b>PHYSICS</b>	
PHYS 0090	Explorations in Physics
PHYS 0140	Intro to Physics 1
PHYS 0142	Intro to Physics 2
PHYS 0150	Physics 1
PHYS 0152	Physics 2

(RQL 3153-100)

<b>PSYCHOLOGY</b>	
PSY 0200	Intro to Psychology

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