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.

BIOLOGY
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 1171 Wildlife Management
BIOL 1172 Animal Behavior
BIOL 1175 Ornithology
BIOL 1315 General Ecology

CHEMISTRY
CHEM 0080 Chemistry, Man & Society
CHEM 0085 Drugs and the Human Body
CHEM 0111 General Chemistry 1
CHEM 0112 General Chemistry 2
CHEM 0115 General Chemistry 2 for Engineers
CHEM 0190 Chemistry for the Health Professions

COMPUTER SCIENCE
CS 0015 Intro to Computer Programming
CS 0081 Computer Literacy
CS 0100 Perspectives in Computer Science
CS 0417 Intern lab Programming Using Java

ENVIRONMENTAL STUDIES
ENVSTND 0100 Intro to Environmental Studies

GEOLOGY
GEO 0010 Principles of Astronomy
GEO 0015 Physical Geology
GEO 0024 Meteorology
GEO 0061 Historical Geology
GEO 0083 Intro to Physical Oceanography
GEO 0086 Environmental Geology
GEO 0087 The Earth’s Climate
GEO 0090 Earthquakes & Volcanoes
GEO 0091 Prehistoric Life
GEO 1202 Introduction to Paleontology

MATHEMATICS
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

NATURAL SCIENCE
NATSC 0080 Integrated Sciences

PHILOSOPHY
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

PHYSICS
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

PSYCHOLOGY
PSY 0200 Intro to Psychology

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