

**J-3-c. Natural and Applied Science (8 cr , from two different disciplines, which include two accompanying labs OR 7 cr which includes a Core Science (CORS) course and one course with lab).**

The purpose of this requirement is to develop a better understanding of the physical and biological world by learning some of the principles that explain the natural phenomena of the universe, the experimental method used to derive those principles, and their applications.

Study in this area is undertaken as part of the general education requirements in order to promote scientific literacy, that is, the ability to read and understand the science issues being debated in society. Scientific literacy is essential if citizens are to make informed judgments on the wide range of issues that affect their everyday lives. Students receiving passing grades in the natural and applied science courses of the general education curriculum will demonstrate competency in the following areas: (1) knowledge of scientific principles; (2) the ability to write clearly and concisely using the style appropriate to the sciences; (3) the ability to interpret scientific data; (4) the ability to analyze experimental design critically; and (5) the development of laboratory skills.

BIOL 102	Biology and Society AND	3 cr
BIOL 102L	Biology and Society Lab	1 cr
BIOL 114	Organisms and Environments	4 cr
BIOL 115	Cells & the Evolution of Life AND	3 cr
BIOL 115L	Cells and the Evolution of Life Laboratory	1 cr
BIOL 154	Introductory Microbiology AND	3 cr
BIOL 155	Introductory Microbiology Laboratory	1 cr
BIOL 250	General Microbiology AND	3 cr
BIOL 255	General Microbiology Lab	2 cr
CHEM 101	Introduction to Chemistry I	4 cr
CHEM 111	Principles of Chemistry I	4 cr
CHEM 112	Principles of Chemistry II	5 cr
CORS 205-297	Integrated Science	3 cr
ENVS 101	Introduction to Environmental Science AND	3 cr
ENVS 102	Field Activities in Environmental Sciences	1 cr

<a href="#">EPPN 154</a>	<a href="#">Microbiology &amp; the World Around Us AND</a>	<a href="#">3 cr</a>
<a href="#">EPPN 155</a>	<a href="#">Microbiology &amp; the World Around Us Lab</a>	<a href="#">1 cr</a>
GEOG 100	Physical Geography AND	3 cr
GEOG 100L	Physical Geography Lab	1 cr
GEO 101	Physical Geology AND	3 cr
GEO 101L	Physical Geology Lab	1 cr
GEO 102	Historical Geology AND	3 cr
GEO 102L	Historical Geology Lab	1 cr
PHYS 100	Fundamentals of Physics AND	3 cr
PHYS 100L	Fundamentals of Physics Lab	1 cr
PHYS 103	General Astronomy AND	3 cr
PHYS 104	Astronomy Lab	1 cr
PHYS 111	General Physics I AND	3 cr
PHYS 111L	General Physics I Lab	1 cr
PHYS 112	General Physics II AND	3 cr
PHYS 112L	General Physics II Lab	1 cr
PHYS 211	Engineering Physics I AND	3 cr
PHYS 211L	Laboratory Physics I	1 cr
PHYS 212	Engineering Physics II AND	3 cr
PHYS 212L	Laboratory Physics II	1 cr
SOIL 205	The Soil Ecosystem AND	3 cr
SOIL 206	The Soil Ecosystem Lab	1 cr