

INTEGRATED SCIENCE

Michele Malotky, Department of Biology

The integrated science minor is designed to provide students with a broad exposure to a variety of scientific disciplines. Such a broad exposure is essential for citizens and potential leaders who seek to understand the breaking news stories that dominate the headlines in the 21st century. Intelligent decision-making on issues such as stem cell research, the use of the anthrax bacillus as a biological weapon, the ozone holes and potential remedies for the underlying causes of global warming, requires knowledge of chemistry, mathematics, physics, geology and biology. Completion of the integrated sciences minor will provide a solid underpinning for advanced study in the sciences, as well as an appropriate background for students interested in pursuing careers in business, journalism, the law, the social sciences or politics.

Minor Requirements

The minor requires a minimum of 16 credit hours (four courses). One of the four courses must be a 300- or 400-level capstone course. In some cases a student might have to take more than three courses to meet the prerequisites of a capstone course.

Code	Title	Credits
Select three of the following:		12
BIOL 201	Intro Biol: Form and Function	
BIOL 202	Intro Biol: Ecol and Evolution	
CHEM 111	Chemical Principles I	
CHEM 112	Chemical Principles II	
MATH 112	Elementary Statistics	
MATH 115	Elementary Functions	
MATH 220	Calculus I: Differential Calculus	
MATH 222	Calculus II: Integral Calculus	
PHYS 111	Introduction to Physics for the Life Sciences I	
PHYS 112	Introduction to Physics for the Life Sciences II	
PHYS 117		
PHYS 118		
PHYS 121	Classical and Modern Physics I	
PHYS 121	Classical and Modern Physics I	
Select one of the following:		4
BIOL 313	Molecular Cell Biology	
CHEM 341	Instrumental Analysis	
GEOL 416	Sedimentology and Stratigraphy	
IDS 427	Murder, Most Foul	
IDS 472	Environmental Planning	
Total Credits		16

Total credit hours required for integrated science minor is 16 credits