

## MINOR IN STEM

The STEM minor provides students with a broad foundation of scientific knowledge. The minor reinforces the scientific method across disciplines, and will allow students to gain increased scientific literacy across the disciplines. Students will also learn to communicate science to a diverse audience. Any non-science major with an interest in science and its applications to real world problems should pursue this major.

Code	Title	Credits
<b>Requirements</b>		<b>(18 credits)</b>

*Choose 5 courses including one lab science. No more than two from Chemistry, Biology, Computer Science, Physics or DEEP.* 15

### Chemistry

CH-106	Paper Or Plastics?	
CH-112	Survey of Chemistry	
CH-120	General Chemistry I	

Biology (BI-104 must be taken with BI-103 to count in the minor.)

BI-101	Concepts of Biology	
BI-103	The Human Animal	
BI-104	The Human Animal Laboratory	
BI-111	Social Biology	
BI-112	Diseases and Mankind	
BI-114	Plants and Human Affairs	
BI-116	Animal Biology	
BI-117	Humans and the Environment	
BI-118	Dinosaurs	
BI-119	Biology of Sex	
BI-120	Darwinian Revolution	
BI-125	Women in Science	
BI-130	Field Biology	
BI-140	Introduction to Organismal Biology	
BI-141	Intro to Cellular and Molecular Biology	
BI-205	Research Techniques and Experimental Design	
BI-266	Biology of Aging	

### Computer Science

CS-101	Basics of Computer Science	
CS-131	Data Visualization and Statistical Analysis	
CS-135	Programming for Non-CS Majors	
CS-140	Introduction to Programming	
CS-141	Data Cleaning and Preprocessing	
CS-155	Computer Networking and Security	
CS-234	Data Mining for Non-Cs Majors	
CS-265	Database Applications	
CS-282	Unix Systems Programming	
CS-286	Database Design and Applications	

### Physics

PY-101	Introduction to Astronomy	
PY-105	Concepts in Physics I	
PY-114	Physics of Waves	
PY-221	General Physics I	
PY-241	Physics I (Mechanics)	

### DEEP

EV-120	Integrated Environmental Science for Educators	
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EV-130	Environmental Problems and Solutions	
EV-150	Environmental Science	
GS-101 or GS-110	Physical Geography Meteorology	
GS-140	Physical Geology	
GS-165	Geographic Information Systems I	
GS-210	Geomorphology	
GS-225	Oceanography	
GS-230	Biogeography	
GS-235	Contemporary Climate Change	
GS-250	Hydrology	
GS-260	Introduction to Soil Science	
GS-270	The Sedimentary Record	
<i>STEM Minor Seminar</i>		
CH-312	Tackling Global Issues using STEM	3
<b>Total Credits</b>		<b>18</b>