

ENVIRONMENTAL SCIENCE CONCENTRATION

Environmental Science Concentration Requirements

Required Courses:

Level 1 (choose 2 including 1 lab)

SCI 251 & SCI L251	Biology I Principles of Biology and Biology I Laboratory	4
SCI 253 & SCI L253	Biology II Organismal Biology and Biology II Laboratory	4
SCI 262 & SCI L262	Physical Geology and Physical Geology Laboratory	4
SCI 264 & SCI L264	Physics I Introductory Physics and Physics I Laboratory	4
SCI 265 & SCI L265	Introductory Chemistry I and Introductory Chemistry I Laboratory	4
SCI 266	Oceanography	3
SCI 267 & SCI L267	Introductory Chemistry II and Introductory Chemistry II Laboratory	4
SCI 268	Introduction to Environmental Science and Sustainability	3
SCI 287 & SCI L287	Weather and Natural Disasters and Weather and Natural Disasters Laboratory	4

Level 2 (choose 2 including 1 lab)

SCI 350	Biological Imaging	3
SCI 351 & SCI L351	Ecology and Ecology Laboratory	4
SCI 355 & SCI L355	Energy Management Strategies and Energy Management Strategies Lab	4
SCI 364	Plant Biology	3
SCI 365 & SCI L365	Organic Chemistry I and Organic Chemistry I Laboratory	4
SCI 366	Coastal Environments	3
SCI 371 & SCI L371	Human Impact on Land and Life and Human Impact on Land and Life Laboratory	4
SCI 372 & SCI L372	Sustaining Air and Water and Sustaining Air and Water Laboratory	4
SCI 376 & SCI L376	GIS for Environmental Decision Making and GIS for Environmental Decision Making Laboratory	4
SCI 377 & SCI L377	Microbiology and Microbiology Laboratory	4
SCI 378	Computer Programming for the Sciences	3
SCI 390	Research Methods in Science	3

Plus one additional lab from Level 1 or Level 2

Level 3 (choose 1)

SCI 452	Innovation and Global Energy Challenges	3
SCI 453	GIS Tools Coastal Planning and Climate Change	3
SCI 454	Conservation in the U.S. and China	3
SCI 455	Environmental Policy: Decision Making and Problem Solving	3
SCI 457	Environmental Toxicology and Risk Assessment	3

SCI 458	Global Change and Geochemical Impact	3
SCI 462	Plant Diversity in Ancient and Modern Environments	3
SCI 463	Issues in Environmental Science	3
SCI 464	Biomarkers and isotope Signals	3
SCI 465	Green Technology for Sustainability	3
SCI 466	Global Health Challenges	3

A minimum of 18 credits is required for the concentration.