

# QUANTITATIVE METHODS IN ENVIRONMENTAL SCIENCE MINOR

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This 18 credit minor provides the quantitative and technical skills that are valued by both employers and graduate programs in environmental science. This minor includes a number of options geared towards a wide range of fields; students are able to tailor this minor to reflect their interests and equip them to pursue their professional aspirations in diverse environmental careers.

## **Regulations Governing Minor Course Work**

1. There shall be a minimum of 18.0 credit hours with a minimum Millersville QPA of 2.0.
2. Only one course which counts toward your major may be counted toward your minor.
3. Courses that count toward a minor are also eligible to be used to satisfy the current University-wide General Education requirements subject to normal distribution requirements.
4. At least two courses should be at the upper-division level (300-400). Exceptions may be requested upon evidence of program depth.
5. No course needed for the minor may be taken Pass-Fail.
6. One-half or more of the work required for the minor must be completed at Millersville University.
7. No student may minor in his or her major.

## **Minor in Quantitative Methods Env Sci**

<b>Code</b>	<b>Title</b>	<b>Hours</b>
ENVI 495	Environmental Clinic	3
Statistics Course - Choose 1 of the following:		3
BIOL 375	Biometry	
ENVI 330	Environmental Statistics & Risk Assessment	
GIS Course - Choose 1 of the following:		3
ESCI 281	GIS Applications for Earth Sci	
GEOG 295	GIS I: Vector Data Analysis	
GEOG 395	GIS for Web Development	
Elective Courses - Choose 3 of the following:		9-12
BIOL 241	Principles of Ecology	
CHEM 265	Quantitative Analysis	
CHEM 375	Environmental Chemistry	
CHEM 476	Environmental Chemistry 2	
ESCI 267	Field Methods in Oceanography	
ESCI 322	Environmental Hydrology	
ESCI 349	Chemistry of the Atmosphere	
ESCI 426	Groundwater Resources and Contamination	
ESCI 447	Meteorological Instrumentation	
OSEH 321	Environmental & Industrial Hygiene I - Chemical and Biological Hazards	
<b>Total Hours</b>		<b>18-21</b>