MASTER'S DEGREE IN ENVIRONMENTAL SCIENCE

Area of Concentration In:

ENVIRONMENTAL TECHNOLOGY

It is assumed that students choosing this area of concentration have a strong science background and are specifically interested in the technical aspects of pollution abatement, including monitoring and laboratory techniques, engineering and control technology for environmental pollutants. Unfortunately, Miami University does not offer a very broad range of environmental engineering courses. A few basic engineering and applied engineering courses are available and probably should be required of all students except those with undergraduate engineering degrees. Students with undergraduate degrees in engineering should work out a course of study with their academic advisors.

Required Courses

Process Analysis (PPS 610)	3
Unit Operations I (PPS 502; fall)	3
Industrial Environmental Control (PPS 505 fall)	2
Sub-total of hours	**8**

Recommended Courses

Physical Meteorology (AER 361, 362)	3,3
Instrumental Analysis (CHM 554)	2
Chemical Measurements (CHM 555)	2
Hydrogeography (GEO 525)	3
Hydrogeology (GLG 508)	3
Solid Waste & Hazardous Management (IES 640)	3
Field Applications in Hydrogeology (Summer Workshop)	4
Total Hours	**20**

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Students with engineering backgrounds will not receive credit for PPS 502. In addition, it is recommended that the possibility of affiliation with the University of Cincinnati's Department of Civil and Environmental Engineering be explored so that students with undergraduate degrees in engineering might be permitted to take advanced engineering courses from the department.

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