

MASTER'S DEGREE IN ENVIRONMENTAL SCIENCE

Area of Concentration In:

AIR QUALITY

Undergraduate Preparation

The following courses or their equivalents should be part of the undergraduate preparation for this area. In case of deficiency, they should be taken.

Calculus (MTH 251)
General Chemistry (CHM 141, 142, 144, 145)
Quantitative Analysis (CHM 161)
General Physics (PHY 171, 172, or 181, 182, 183, 184)
An undergraduate course in meteorology is desirable.

Required Course

Environmental Engineering/Air (University of Cincinnati)

Sub-total of hours 3

Electives (13 hours required from this group)

Spectroscopic Identification of Structure (CHM 526)	2
Physical Chemistry (CHM 571, 572)	3,3
Advanced Analytical Chemistry (CHM 661)	2
Environmental Economics (ECO 534)	3
Climatology (GEO 521) (offered infrequently)	3
Aerial Photo Interpretation (GEO 547)	4
Techniques and Applications of Remote Sensing (GEO 548)	3
Urban and Regional Planning (GEO 551)	3
Material and Energy Balances (PPS 550.2)	3
Fluid Mechanics (PPS 502)	3
Industrial Environmental Control (PPS 505)	1-4
Probability and Statistics (STA 561, 562)	3,3
Analysis of Forecasting Systems (STA 583)	3
An Introduction to Multivariate Statistical Analysis (STA 667 or DSC 544)	3
or Applied Multiple Regression (STA 573)	1
Sampling Theory and Techniques (STA 668)	3

Total Hours 16

Specialty Coordinator: Gene E. Willeke
102 Boyd Hall
Telephone: 529-5811