

INDUSTRIAL HYGIENE/ HAZARDOUS MATERIALS MANAGEMENT, CERTIFICATE OF COMPLETION

This certificate will be an extension of our environmental studies degree program. This certificate will provide students with the knowledge, skills, and training required to conduct industrial hygiene and hazardous materials testing and assessment. Students will conduct sampling and surveys in the field. Students will typically work under the direction of a senior scientist.

Fall One		Credit Hours
ENVI 210	Indoor Environmental Quality	3
ENVI 217	Occupational Safety and Health	3
Any CHEM Lecture with Associated Lab		4
Credit Hours		10
Spring One		
ENVI 205	Hazardous Materials Management	3
ENVI 142 & 142L	Industrial Hygiene Lecture and Industrial Hygiene Lab	4
Credit Hours		7
Total Credit Hours		17

Students who successfully complete this program will be able to:

1. Identify and analyze the fundamental aspects of the work environment and those elements that may create an unsafe or unhealthy work environment.
2. Evaluate the various globally harmonized, national, and local standards we use to classify hazardous materials.
3. Explain why common hazardous materials such as lead based paint or lead water supply systems in homes and schools pose a serious health risk.
4. Student will be able to identify the specific sources of indoor pollutants that cause negative health effects and recommend mitigation measures.
5. Critically evaluate and develop management control systems that promote a safe and healthy work environment.