

ENVIRONMENTAL SCIENCE CERTIFICATE

Program Website: <https://www.towson.edu/fcsm/departments/environsci/grad/environmental-science-certificate/>

Program Director: Joel Moore
Phone: 410-704-4245
Email: moore@towson.edu

Requirements

Admission Requirements

Application deadlines and a full listing of materials required for admission can be found on the website.

Certificate Requirements (18 units)

All students wishing to receive a certificate complete a minimum of 18 units of graduate work as follows: two core courses and additional electives, selected in consultation with an adviser, from one concentration. No more than three 500-level courses can be counted toward the certificate.

Learning Outcomes

- a. Collect and evaluate geological, chemical and ecological data associated with creating and resolving solutions to current (and local) environmental problems.
- b. Interpret the legal framework that underlies environmental regulation as it applies to protecting human health and the environment.
- c. Apply their knowledge of geological, chemical and ecological processes to environmental data collection, analysis and interpretation in order to propose viable solutions to complex multidisciplinary environmental issues.
- d. Find, read and comprehend the primary scientific literature that relates to environmental issues and produce written documents using a scientific format.
- e. Communicate clearly, both in writing and orally, to a wide audience (potential stakeholders) the scientific basis for environmental decisions that impact human health and the environment.