ENVIRONMENTAL SCIENCE CERTIFICATE

Post-Baccalaureate Certificate
https://www.towson.edu/fcsm/departments/environsci/grad/sciencepbc/

Program Director: Dr. David Ownby
Phone: 410-704-2946
Email: downby@towson.edu

Admission Requirements
Admission requirements for the post-baccalaureate certificate program are the same as those listed for the M.S. in Environmental Science (http://catalog.towson.edu/graduate/degree-certificate-programs/jess-mildred-fisher-science-mathematics/environmental-science-ms).

Non-immigrant International Students
Program Enrollment: F-1 and J-1 students are required to be enrolled full-time. The majority of their classes must be in-person and on campus. See the list of programs that satisfy these requirements (https://www.towson.edu/academics/graduate/admissions/international/programs-complying-j1-f1-regulations.html), and contact the International Student and Scholars Office (https://www.towson.edu/academics/international/isko) with questions.

Admission Procedures: See additional information regarding Graduate Admission policies (https://www.towson.edu/academics/graduate/admissions/policies.html) and International Graduate Application (https://www.towson.edu/academics/graduate/admissions/international) online.

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.

1. Collect and evaluate geological, chemical and ecological data associated with creating and resolving solutions to current (and local) environmental problems.
2. Interpret the legal framework that underlies environmental regulation as it applies to protecting human health and the environment.
3. 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.
4. Find, read and comprehend the primary scientific literature that relates to environmental issues and produce written documents using a scientific format.
5. 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.