ENVIRONMENTAL SCIENCE AND STUDIES PROGRAM

OFFICE
Administration Building 213, 410-704-4920
Fax: 410-704-3959

THE PROGRAM

The Environmental Science and Studies Program has two primary educational objectives. One is to provide the fundamental scientific, technical and social knowledge that program graduates will need to assess, plan and evaluate environmental concerns, particularly those confronting metropolitan regions. The second is to instill the wide range of cognitive skills and content mastery that students will need to effectively analyze environmental issues and propose realistic plans for solving environmental problems at local, regional and national levels.

The requirements of the program are structured to meet these two objectives and include mathematical and scientific foundations as well as extensive interdisciplinary study related to environmental issues. The upper-level courses integrate the student’s program of study and provide hands-on practice in an environmental field. The environmental problems addressed in many classes and seminars will focus on the adjacent urban/suburban region and its impact on the surrounding environment.

Most environmental problems resist solutions from any single discipline. To counter this dilemma, the program utilizes a rigorous interdisciplinary approach. The curriculum draws upon the expertise of faculty in the areas of biology, chemistry, geology, mathematics, environmental ethics and values, public policy, economics, geography, public health and social change.

Students majoring in Environmental Science and Studies have a choice of two concentrations: Environmental Studies or Environmental Science. There is considerable overlap in the courses between the two concentrations. For information on the Environmental Studies Concentration, see the College of Liberal Arts.

Director: Christopher Salice (Biological Sciences)

Affiliated Faculty
Professors: Rachel Burks (Physics, Astronomy & Geosciences), Ryan Casey (Chemistry), Brian Fath (Biological Sciences), Susan Gresens (Biological Sciences), Sarah Haines (Biological Sciences), L. Scott Johnson (Biological Sciences), Steven Lev (Physics, Astronomy & Geosciences), Antonette Marzotto (Political Science), John Morgan III (Geography & Environmental Planning), Jay Nelson (Biological Sciences), Thomas Rhoads (Economics), Martin Roberge (Geography & Environmental Planning), Robert Rook (History), Lev Ryzhkov (Chemistry), Stephen Scales (Philosophy & Religious Studies), Erik Scully (Biological Sciences), Richard Seigel (Biological Sciences), Jane Wolfson (Biological Sciences), Tamara Woroby (Economics)

Associate Professors: Kent Barnes (Geography & Environmental Planning), Vanessa Beauchamp (Biological Sciences), Harald Beck (Biological Sciences), Mark Bulmer (Biological Sciences), Lillian Carter (Health Science), John LaPolla (Biological Sciences), Kang Lu (Geography & Environmental Planning), James Manley (Economics), Clare Muhoro (Chemistry), Karen Oslund (History), David Ownby (Chemistry), Roland Roberts (Biological Sciences), Shannon Stitzel (Chemistry), Timothy Sullivan (Economics), Jeremy Tasch (Geography & Environmental Planning), Paporn Thebpanya (Geography & Environmental Planning), Donn Worgs (Political Science)

Assistant Professors: Andrea Brace (Health Science), John Bullock (Political Science), David Hearn (Biological Sciences), Matthew Hemm (Biological Sciences), Kathryn Kautzman (Chemistry), Sya Kedzior (Geography & Environmental Planning), Joel Moore (Physics, Astronomy & Geosciences), Makmiller Pedroso (Philosophy & Religious Studies), Chris Salice (Biological Sciences), John Sivey (Chemistry)

Lecturer: Natalia Fath (Geography & Environmental Planning)

Major in Environmental Science and Studies

- Major in Environmental Science and Studies - Environmental Science Concentration (http://catalog.towson.edu/undergraduate/fisher-science-mathematics/environmental-science-studies/environmental-science-studies-environmental-science)

MINOR IN ENVIRONMENTAL SCIENCE AND STUDIES