

Posted at WWU's ENVS graduate program page: <https://huxley.wvu.edu/ma-environmental-studies>

Energy Policy

Program Description:

The energy specialization offers coursework in energy system transitions, stakeholder engagement, advanced energy policy, and environmental politics and policy. Faculty expertise includes energy efficiency, energy economics, economics of climate change and transportation, energy transitions, computational modeling of photophysics and photochemistry in solar energy materials, power system reliability, renewable energy integration, and cyber-physical systems. Students have access to research facilities including the Spatial Analysis Lab, the Planning Studio, and two research units: the Resilience Institute and the Spatial Institute.

Goals:

The MA in environmental studies and energy policy trains students to address the policy and management aspects of today's diverse energy business, along with broad exposure to the science and environmental aspects of the energy system. This degree prepares students for careers in energy program management, energy resource planning, renewable energy policy, and other energy-related enterprises.

Specialization Requirements:

Minimum of 45 credits are required, including:

- 7 credits of core classes: ENVS 501 (3), ENVS 502 (3), ENVS 503 (1)
- 26 credits of depth and specialization course work, including at least three courses from the area of specialization, or course substitutions, under advisement;
- 12 credits of ENVS 690 (thesis) or ENVS 691 (Field Project)

500-Level Energy Policy Specialization Courses

ENVS 520 GIS Analysis and Modelling

ENVS 540 Advanced Public and Stakeholder Engagement in Energy, Climate, and Environmental Policymaking

ENVS 549 Energy Systems Transitions

ENVS 559 Advanced Energy Policy

ENVS 574 Sustainable Design Studio

ESCI 562 Advanced Air Pollution

ESCI 592 Climate Change

400-level Energy Policy Specialization Courses

ENRG 420 Advanced Energy Science

ENRG 484 Economics of Alternative Energy

ENRG 497c Renewable Electric Power Systems

ENVS 442 Regional Environmental and Economic Resource Modeling

ENVS 454 Environmental Policy Analysis

ESCI 480 Applications in Energy Production