ENVIRONMENTAL STUDIES

PROGRAM ORIENTATION

Dr. Chris Post
Dr. Gordon Cromley
September 9, 2019

#YourHometownUniversity
• Bachelor of Arts in Environmental Studies
• Available at Stark and Kent
• Students will learn to solve specific environmental problems by developing key competencies in:
  - Earth systems science
  - Environmental social science
  - Human-natural systems
  - Sustainability science
ENIRONMENTAL STUDIES

• Multi-disciplinary coursework and skill sets
  — Biological Sciences
  — Economics
  — Geography
  — Geology
  — History
  — Philosophy
  — Political Science
  — Sociology
DIFFERENCE BETWEEN STUDIES AND SCIENCE

• **Environmental Studies** is a social science that looks to how humans influence and are influenced by the environment, and how traditions of cultures around the world affect the environment. It examines the social and political aspects of how people and the natural environment have interacted and continue to interact with one another.

• **Environmental Science** focuses mostly on the biological and chemical aspects rather than the social and policy aspects of various environmental issues.
TOPICS OF INTEREST

- ADVOCACY!
- Climate Change
- Recycling and Waste
- Sustainable Cities (urban gardening, urban heat island, planning and zoning, transportation)
- Environmental Law and Policy
- Media Engagement
- Education
- Environmental Preservation and Conservation
- Parks Service
- Water Access
- Agricultural Policy
PAIR YOUR MAJOR WITH A MINOR

• Natural Sciences
  - Biology
  - Geology

• Social Sciences
  - Communications
  - Geography
  - History
  - Philosophy
  - Political Science
  - Sociology
# ENVS CORE MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Core Major Courses</th>
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<tbody>
<tr>
<td>BSCI 10110 Biological Diversity</td>
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<tr>
<td>ENVS 22070 Nature &amp; Society</td>
</tr>
<tr>
<td>ENVS 32091 Environmental Studies &amp; Sustainability</td>
</tr>
<tr>
<td>ENVS 42099 Integrative Senior Project</td>
</tr>
<tr>
<td>GEOL 21062 Environmental Earth Science</td>
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</tbody>
</table>
## ENVS Program Electives

### Natural Science:
Take one course from each discipline below: [BSCI, GEOG, GEOL]

<table>
<thead>
<tr>
<th>Biological Sciences</th>
<th>Geography</th>
<th>Geology</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSCI 32074 Forestry*</td>
<td>GEOG 21062 Physical Geography*</td>
<td>GEOL 33025 Water &amp; the Environment**</td>
</tr>
<tr>
<td>BSCI 32277 Economic Botany</td>
<td>GEOG 41051 Natural Disasters &amp; Society*</td>
<td>GEOL 40265 Watershed Hydrology</td>
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<tr>
<td>BSCI 33060 General Ecology*</td>
<td>GEOG 41066 Global Climate Change*</td>
<td>GEOL 40267 Introductory Hydrogeology</td>
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<td>BSCI 40325 Wildlife Resources*</td>
<td>GEOG 41073 Conservation of Natural Resources*</td>
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<td></td>
<td>GEOG 41074 Resource Geography</td>
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**Methods:** Choose one course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>GEOG 49070</td>
<td>Geographic Information Science*</td>
</tr>
<tr>
<td>GEOG 49230</td>
<td>Remote Sensing*</td>
</tr>
<tr>
<td>GEOG 42035</td>
<td>Scientific Methods in Geology*</td>
</tr>
<tr>
<td>POL 30310</td>
<td>Public Policy Analysis</td>
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<tr>
<td>SOC 32210</td>
<td>Researching Society*</td>
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**Social Science:** Choose five courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tr>
<td>ECON 30184</td>
<td>Economics of the Environment*</td>
</tr>
<tr>
<td>ENG 36001</td>
<td>Applied Literary Criticism: Environmental Literature**</td>
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<tr>
<td>GEOG 31070</td>
<td>Population and the Environment*</td>
</tr>
<tr>
<td>GEOG 32023</td>
<td>Campus &amp; Community Gardens**</td>
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<tr>
<td>GEOG 45085</td>
<td>Urban Transportation</td>
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<tr>
<td>GEOG 46070</td>
<td>Urban &amp; Regional Planning</td>
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<tr>
<td>GEOG 46080</td>
<td>Urban Sustainability</td>
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<tr>
<td>GEOG 46092</td>
<td>Internship**</td>
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<tr>
<td>HIST 38095</td>
<td>ST: American Environmental History**</td>
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<tr>
<td>PACS 30350</td>
<td>Environmental Conflict Resolution</td>
</tr>
<tr>
<td>PHIL 30025</td>
<td>Environmental Ethics</td>
</tr>
<tr>
<td>POL 40440</td>
<td>U.S. Environmental Politics &amp; Policies</td>
</tr>
<tr>
<td>POL 40540</td>
<td>Politics of Development*</td>
</tr>
<tr>
<td>SOC 42560</td>
<td>Sociology of Food*</td>
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</tbody>
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The program coordinator may accept other natural science, methods and social science courses that fulfill the spirit of the Environmental Studies major.

* Courses regularly offered in-person at Kent State Stark.
** See Dr. Chris Post for a program course exception.
* See Dr. Chris Post for new course offerings.

Full major requirements:

[CATALOG.KENT.EDU/COLLEGES/AS/GEOG/ENVIRONMENTAL-STUDIES-BA](CATALOG.KENT.EDU/COLLEGES/AS/GEOG/ENVIRONMENTAL-STUDIES-BA)

Requirements subject to change. Check catalog for updates.
STARK ENVS ELECTIVES TO WATCH FOR

• GEOG 32023: Campus & Community Gardens (every Summer Intersession)
• GEOG 41051: Natural Disasters and Society
• GEOG 41066: Global Climate Change
• ENGL 36001 (ST): Applied Literary Criticism: Environmental Literature (Spring 2020)
• HIST 38095 (ST): American Environmental History (Fall 2019)
• ECON 32084: Economics of Environment
• POL 30350: Environmental Conflict Resolution
• POL 40440: U.S. Environmental Politics
<table>
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<tr>
<th>REQUIREMENTS / ELECTIVES</th>
<th>FALL 2019</th>
<th>SPRING 2020</th>
<th>FALL 2020</th>
<th>SPRING 2021</th>
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<tr>
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<td>BSCI 32074</td>
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<td>BSCI 40525</td>
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<td>GEOG 41073</td>
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<td><strong>SOCIAL SCIENCE ELECTIVES</strong></td>
<td>SOC 42560</td>
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ENVS is “housed” within Kent State’s Department of Geography
- Understanding the relationship between humans and the changing environment

Department Resources
- Geography/ENVS Club (Kent Campus)
- ENVS Listserves for 1. all majors and 2. Stark-specific
- Dr. David Kaplan (ENVS Coordinator)
- Dr. Jennifer Mapes (GEOG Undergraduate Coordinator)
- Dr. Scott Sheridan (Department Chair)

Environmental Professionals Network
- https://epn.osu.edu
STARK STAFF AT YOUR SERVICE

• Academic Advising
  - Jessica Cervenak

• Internships
  - Shaan Fowler

• Career Services
  - Chris Paveloi
ENVS CAREER POSSIBILITIES

• Environmental attorney
• Environmental or conservation planner
• Environmental consultant or educator
• Environmental media
• Fundraiser for environmental causes / non-profit activism
• Natural resources manager
• Park staff (ranger, researcher, educator, archivist, etc.)
• Policy analyst
• Public relations specialist
• Environmental or sustainability specialist
EXAMPLE CAREERS FROM SIMILAR PROGRAMS

Recent OU Environmental Sustainability Alumni - Employment

- Environmental Programs Specialist II at OK, Dept. of Environmental Quality
- Air Quality Program Coordinator at Choctaw Nation of OK
- Brand & Content Strategist at Opower in San Francisco
- Business Development at CleanTX in Austin
- City Planner for the City of Amarillo
- District Executive for Boys Scouts of America in OKC
- Field Scientist at Terracon in Katy, TX
- Freshest Cargo Route Manager at Fresh Approach in San Francisco
- GIS Specialist at LandWorks, Inc. in Houston, TX
- Director of Marketing and Communications at CleanTX in Austin
- Retail Strategy Architect of Digital Innovation in Norman
- GIS Specialist for Brownsfields Program for Oil and Gas Conservation Division of OK. Corp. Commission
- Health and Safety Executive (HES) Officer, Innospec Oilfield Services in OKC
- Insurance Agent at Kemper in Georgia
- Associate Planner and Program Coordinator at the Office of Sustainability in OKC
- Quality Control Analyst at Cyantech in Hawaii
- Brown Field Coordinator at Absentee Shawnee Tribe, Office of Environmental Health and Engineering
- Natural Resources and Sustainable Development (NRSD) Graduate program in WDC, American University School of International Service (SIS)
- Masters of City and Regional Planning Program, UNC, Graduate Asst. UNC Highway Safety Research Center on safe routes to school

Career Options in Environmental Sustainability

Government
- Sustainable community planner
- Green economic developer
- National Park ranger
- Municipal water conservation program manager
- Green team leader for city government
- Oklahoma Department of Environmental Quality
- Oklahoma Water Resources Board
- United States Environmental Protection Agency
- United States Office of Renewable Energy and Energy Efficiency
- United Nations Sustainable Development Officer

Business
- Green energy entrepreneur
- Corporate social responsibility manager
- Environmental consultant
- Energy auditor
- Environmental journalist
- ISO certification specialist

Nonprofit
- Executive director of a local environmental nonprofit
- State-level engagement coordinator for Greenpeace
- Fundraising and grant writer for Sierra Club
- Communications manager for World Wildlife Fund

#YourHometownUniversity
LAST MINUTE NEWS & NOTES

- SN@KS Club: meets every month, 2nd Wednesday
- Registering for GIS and Nature and Society in Spring 2020
- Economics of Environment changed to MW 3:30 p.m.

ANNUAL ENVIRONMENTAL STUDIES LECTURE

Friday, September 20, 2019
2:30 PM
Room MCG 310
Meet and Great noon MCG 317

Environmental Justice: Pattern, Process, and the Importance of History

Geoffrey L. Buckley
Department of Geography
Ohio University

Research: Environmental; Public Lands; Urban Environments

Through my teaching and research I seek to uncover the threads that knit present-day environmental problems to past decisions, practices, and processes. One can argue that if we are to make wise decisions with regard to the environmental problems we face today, we must understand the complex web of human and physical processes that, over time, have contributed to their existence.

I am particularly interested in urban sustainability; management of public lands, especially state forests and urban green spaces; environmental justice; and the evolution of mining landscapes.

Everyone welcome.
Questions, comments or concerns? 
Do not hesitate to contact me, Dr. Cromley, or Dr. David Kaplan.

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