



B.S.

CAREER OPPORTUNITIES

The new, cutting-edge Sustainability Science major is built on an integrative curriculum, with coursework in the social, natural, and analytical disciplines, thereby providing students with the knowledge and skills needed to help build a more sustainable future. The program offers students relevant real-world experiences like internships, community outreach and a rigorous academic curriculum:

- **INTEGRATED HUMAN & NATURAL SYSTEMS.** Sustainability Science students will not only understand human systems and natural systems, but also have the ability to link the two. The curriculum includes foundations of the natural world, including chemistry, ecology, and environmental science. The human systems incorporate population dynamics, economics, and policy.
- **ANALYTICAL METHODS & DECISION SUPPORT.** The sustainability science major provides the solid analytical and decision-making skills needed to investigate sustainability problems, drawing on GIS, computer science, statistics, geoinformatics, and spatial analysis.
- **COMMUNICATION & ETHICS.** Students will also be equipped to effectively communicate the importance of sustainability science and management to leaders and the public via communication coursework. Also, the equity/ethics/equality course requirement emphasizes respect among diverse cultures and regions.
- **FORWARD THINKING.** Given rapidly changing environmental circumstances, the sustainability science major prepares students work toward an equitable future of high environmental quality, and economic opportunity.



Sustainability Science majors study the interactions between natural and social systems in order to address the challenges of sustainability.



Career

Possibilities

Include

- Sustainability Specialist
- Energy Consultant
- Environmental Scientist
- Climate Change Analyst
- Conservationist
- Water Industry Researcher
- Climate Action Coordinator
- GIS & Mapping Technician
- Environmental Services Director
- Geodatabase Manager



HANDS-ON LEARNING

A wide array of opportunities and resources are available to Sustainability Science students to provide research experience, fieldwork, study abroad, community outreach, and professional experience.

- > **GIS RESEARCH LAB.** The Geographic Information Systems Instructional Lab (GISIL) is a state-of-the-art computer lab used to teach GIS, cartography, and remote sensing. The GISIL also supports field-based educational activities using mobile GIS software, UAVs, and GPS to collect and analyze data.
- > **THE OFFICE OF SUSTAINABILITY & THE ENVIRONMENT.** The University of Iowa's Office of Sustainability & the Environment (OSE) serves as a focal point for sustainability related activities on campus. OSE supports student research and academic engagement via scholarships, mentoring, and outreach. Sustainability Science majors are equipped with ample research connections and collaboration opportunities in the community.
- > **RESEARCH & INTERNSHIPS.** Partnerships with groups on campus like the Iowa Center for Research by Undergraduates and state and national organizations like the National Science Foundation, our students have many opportunities to get involved with research and to gain professional experience working in the field.



CLASSES YOU MIGHT TAKE:

- > Sustainability as a System Science
- > Intro to Geospatial Programming
- > Environmental Economics and Policy
- > Urban Ecology
- > Environmental Justice
- > GIS for Environmental Studies
- > Sustainable Development

For full curriculum, visit: catalog.registrar.uiowa.edu

GET IN TOUCH!

Schedule a campus visit

UNDERGRADUATE ADMISSIONS

Phone: (319) 335-1566
Email: campus-visits@uiowa.edu
Web: admissions.uiowa.edu

Ask questions about enrollment/transfers:

CLAS ACADEMIC ADVISING

Phone: (319) 335-2633
Email: clas-advising@uiowa.edu
Web: advisingcenter.uiowa.edu

Get program details

DEPT. OF GEOGRAPHICAL & SUSTAINABILITY SCIENCES

Phone: (319) 335-0151
Email: geography@uiowa.edu
Web: clas.uiowa.edu/geography

