

ENVIRONMENTAL & SUSTAINABILITY STUDIES

The St. Catherine University Environmental & Sustainability Studies major provides an interdisciplinary education focused on the complex relationship between humans and the environment, emphasizing environmental justice and sustainability. Students develop the knowledge, skills, and perspectives to address pressing environmental challenges and promote equitable solutions for a sustainable future.

The program fosters a deep understanding of the complex and interdisciplinary nature of environmental issues, including their interconnectedness, the stakeholders involved, and the language needed to work across diverse disciplines. With a foundation in the environment, sustainability, economics, ethics, leadership, and the liberal arts, graduates are prepared to lead and influence positive environmental and sustainability change across diverse fields, within their communities, and beyond. Our program is distinctive with its focus on women, integration across the liberal arts, and grounding in the long-term environmental justice efforts of the Sisters of St. Joseph, reflecting the principles of kinship embedded in our tradition of Catholic Social Teaching.

See also: Sustainability Studies Minor (<https://catalog.stkate.edu/undergraduate/business-professional-studies/fashion/sustainability-minor/>)

Consider pairing the Environmental and Sustainability studies major with a major or minor in another program such as:

- Biology
- Business
- Chemistry
- Community Engagement
- Critical Studies of Race and Ethnicity
- Data Science
- Economics
- Fashion Design and Merchandising
- Leadership
- Longevity and Aging
- Philosophy
- Political Science
- Public Health
- Public Policy
- Sociology

or...explore another major of interest to you!

This major is offered in the College for Women only.

Curriculum

Code	Title	Credits
Required major courses		
INDI 2222	Building a Sustainable World	2
LEAD 2202	Leadership and Influence	2
BIOL 1110	Environmental Biology with Lab	4
ECON 3300	Environmental Economics and Policy	4
PHIL 3100	Environmental Ethics	4

DSCI 1000	Telling Stories with Data - Introduction to Data Visualization	4
ECON 3650	Cost-Benefit Analysis	4
One internship or research course from one of the following subjects		2-4
Biology		
Data Science		
Economics		
Philosophy		
Leadership		
BIOL 4860W	Senior Seminar	4
or ENGL 4860W	Senior Seminar: Humanities Capstone	
or ECON 4850W	Theory to Action	
or HIST 4850W	Senior Seminar: Humanities Capstone	
Choose 12 credits from the following: ¹		12
BIOL 2710	Introduction to Ecology with Lab	
BIOL 3050	Algal Ecology in a Modern World	
BIOL 3210	Biology of Microorganisms with Lab	
CHEM 3000	Quantitative Analysis with Lab	
CHEM 4200	Advanced Analytical Chemistry with Lab	
DSCI 3200W	Analyzing Social Issues with Data	
DSCI 3300	Introduction to Machine Learning for Data Science	
ECON 3050	Quantitative Impact Evaluation: Applied Research Skills	
HLTH 3350	Environmental Health	
LEAD 3400	Leadership, Effective Teams, and Change Management	
LEAD 4400	Applied Leadership Ethics	
MRCH 3100	Global Sourcing and Supply Chain Management	
MRCH 4400	Sustainable Product Development	
MGMT 3460	Managing Within a Diverse Workforce	
POSC 3070	Public Policy	
PSYC 4994	Topics	
SOCI 2150	Challenging Oppressions, Civic Engagement and Change	
SOCI 2700	Social Movements-Social Change	
SOCI XXXX	Environmental Racism	
Total Credits		42-44

¹ Students are advised to check course prerequisites prior to selecting the courses they will take for this interdisciplinary major

Code	Title	Credits
Prerequisite Courses		
ECON 1120	Economics of Social Issues	4
ECON 1090	Statistical Analysis for Decision Making	4
Total Credits		8
Fall Term		
CORE 1000W	The Reflective Woman	4
ECON 1120	Economics of Social Issues	4

DSCI 1000	Telling Stories with Data - Introduction to Data Visualization	4
Spring Term		
Art & Humanities Core course		4
ECON 1090	Statistical Analysis for Decision Making	4
INDI 2222	Building a Sustainable World	2
BIOL 1110	Environmental Biology with Lab	4
Fall Term		
Theology Core course		
ECON 3300	Environmental Economics and Policy	4
LEAD 2202	Leadership and Influence	2
Spring Term		
CORE 3990W	Global Search for Justice ¹	4
Major course		4
Major course		4
Fall Term		
ECON 3650	Cost-Benefit Analysis	4
LEAD 4750	Leadership Practicum	2-4
Major course		4
Spring Term		
PHIL 3100	Environmental Ethics	4
BIOL 4860W	Senior Seminar	4
or ENGL 4860W	Senior Seminar: Humanities Capstone	
or ECON 4850W	Theory to Action	
or HIST 4850W	Senior Seminar: Humanities Capstone	
Total Credits		62-64

¹ Students may want to consider taking a section of CORE 3990W that focuses on environmental justice or environmental sustainability.

Code	Title	Credits
Fall Term		
CORE 1000W	The Reflective Woman	4
ECON 1120	Economics of Social Issues	4
DSCI 1000	Telling Stories with Data - Introduction to Data Visualization	4
Spring Term		
Arts & Humanities Core course		4
ECON 1090	Statistical Analysis for Decision Making	4
BIOL 1110	Environmental Biology with Lab	4
Fall Term		
Theology Core course		
ECON 3650	Cost-Benefit Analysis	4
LEAD 2202	Leadership and Influence	2
Major course		
Spring Term		
CORE 3990W	Global Search for Justice ¹	4
PHIL 3100	Environmental Ethics	4
INDI 2222	Building a Sustainable World	2
Fall Term		
ECON 3300	Environmental Economics and Policy	4
LEAD 4750	Leadership Practicum	2-4
Major course		

Spring Term		
Major course		
BIOL 4860W	Senior Seminar	4
or ENGL 4860W	Senior Seminar: Humanities Capstone	
or ECON 4850W	Theory to Action	
or HIST 4850W	Senior Seminar: Humanities Capstone	
Total Credits		50-52

¹ Students may want to consider taking a section of CORE 3990W that focuses on environmental justice or environmental sustainability.