

Welcome to SEAS!

Admitted Student Visit Day

Specialization

Coordinator

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01 **Specialization Overview**
Program mission, goals, and overview

02 **Faculty**
Core faculty members

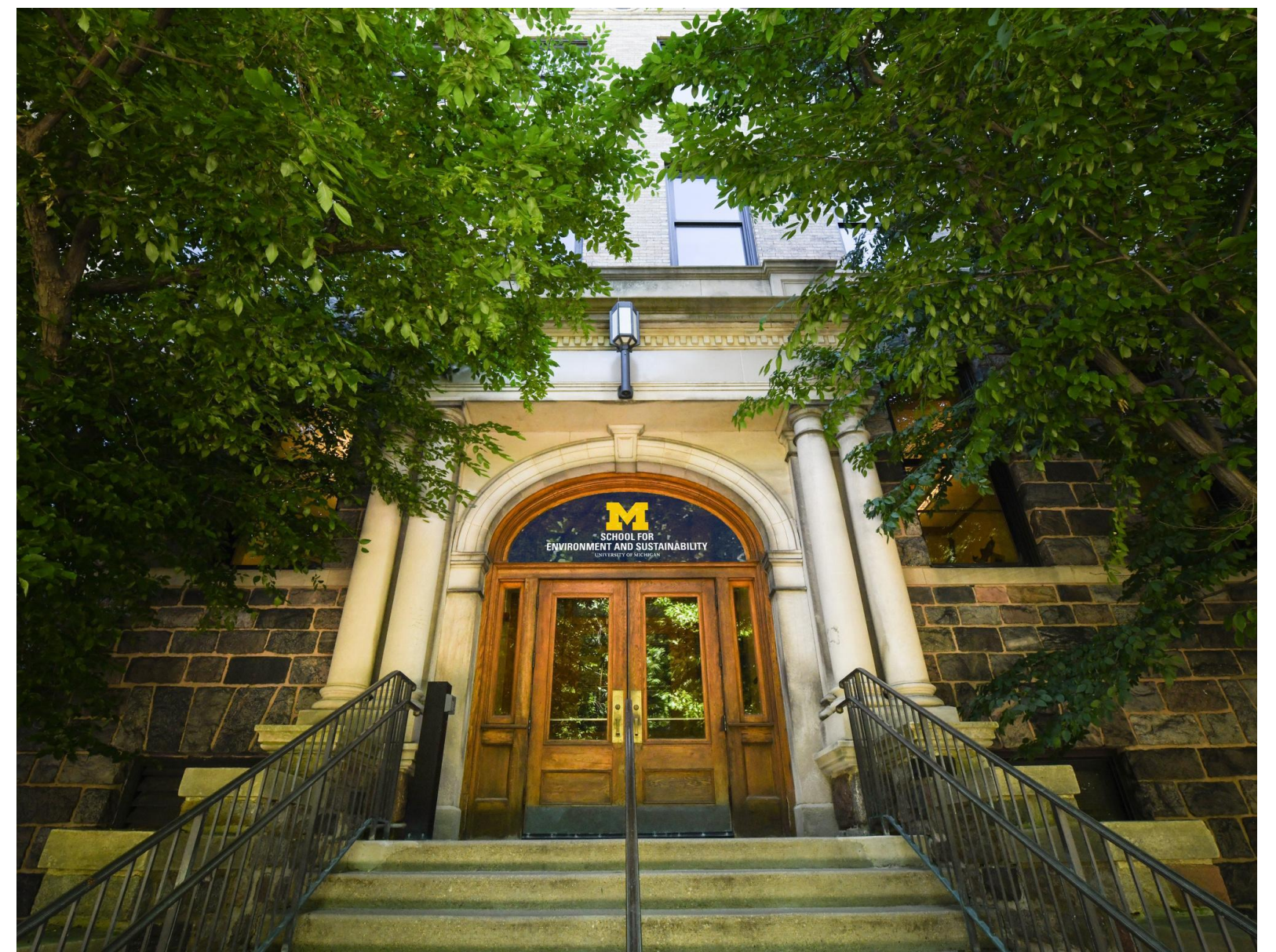
03 **Curriculum**
Courses, dual degrees, master's projects/thesis

04 **Careers and
Employment**
Alumni outcomes, careers data

05 **SEAS, Ann Arbor, and
U-M**
Rankings, community, culture

06 **Questions**

Agenda





SEAS

Innovative, Integrated, Justice-Oriented, Entrepreneurial,
Global

Mission

At the University of Michigan School for Environment and Sustainability (SEAS), we are at the forefront of building a more sustainable and just world for all by transforming the impact of higher education and reimagining the future. We are advancing action through innovation, research, education and engagement in society, and developing leaders who are empowered to halt the climate crisis and create an environmentally sound future for generations to come.

Who We Are

Situated within the nation's top public research university, the University of Michigan School for Environment and Sustainability (SEAS) has been a pioneer in environmental education, research, and activism for more than a century.



Geospatial Data Sciences

Our interdisciplinary Geospatial Data Sciences field of study prepares industry leaders to develop and use analytical and computer-based methods to assess and protect the Earth's natural resources.

A Professional School

Exposure to Employers and Alumni



69

EMPLOYERS
ATTENDED THE
2022 GREEN
CAREER FAIR



86

ALUMNI
PARTICIPATED IN
CAREER TREK AND
ALUMNI PANELS
THROUGHOUT THE
2021-2022
ACADEMIC YEAR



28

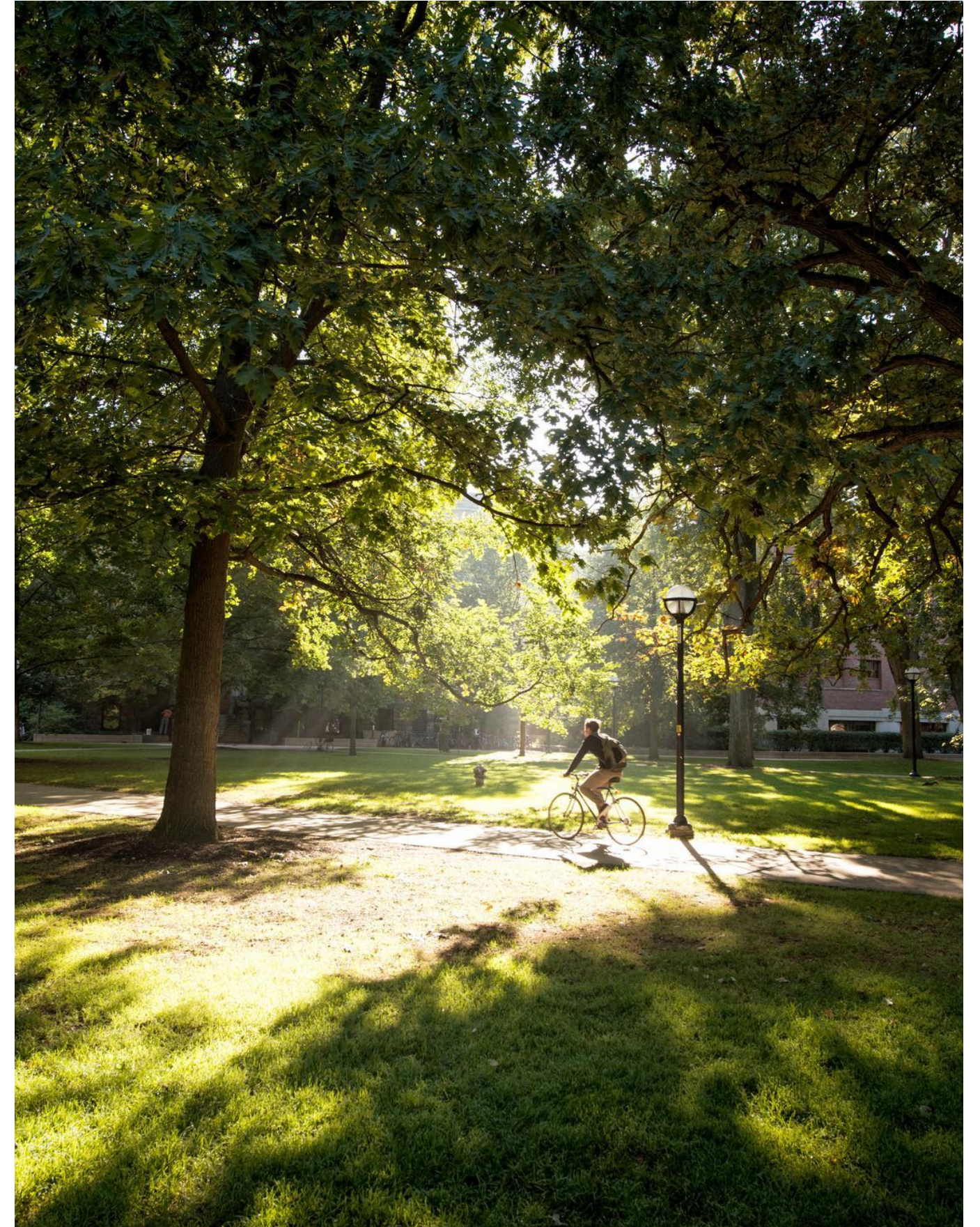
EMPLOYER
INFORMATION
SESSIONS WERE
HOSTED FOR THE
2021-2022
ACADEMIC YEAR

SEAS is Interdisciplinary Design

Technology

Social Systems

Natural Systems



Supportive Community

Largest living alumni body of any university

 **12,600+**

TOTAL ALUMNI, THE LARGEST
GRADUATE POPULATION OF ANY
ENVIRONMENTAL DEGREE
PROGRAM

 **33%**

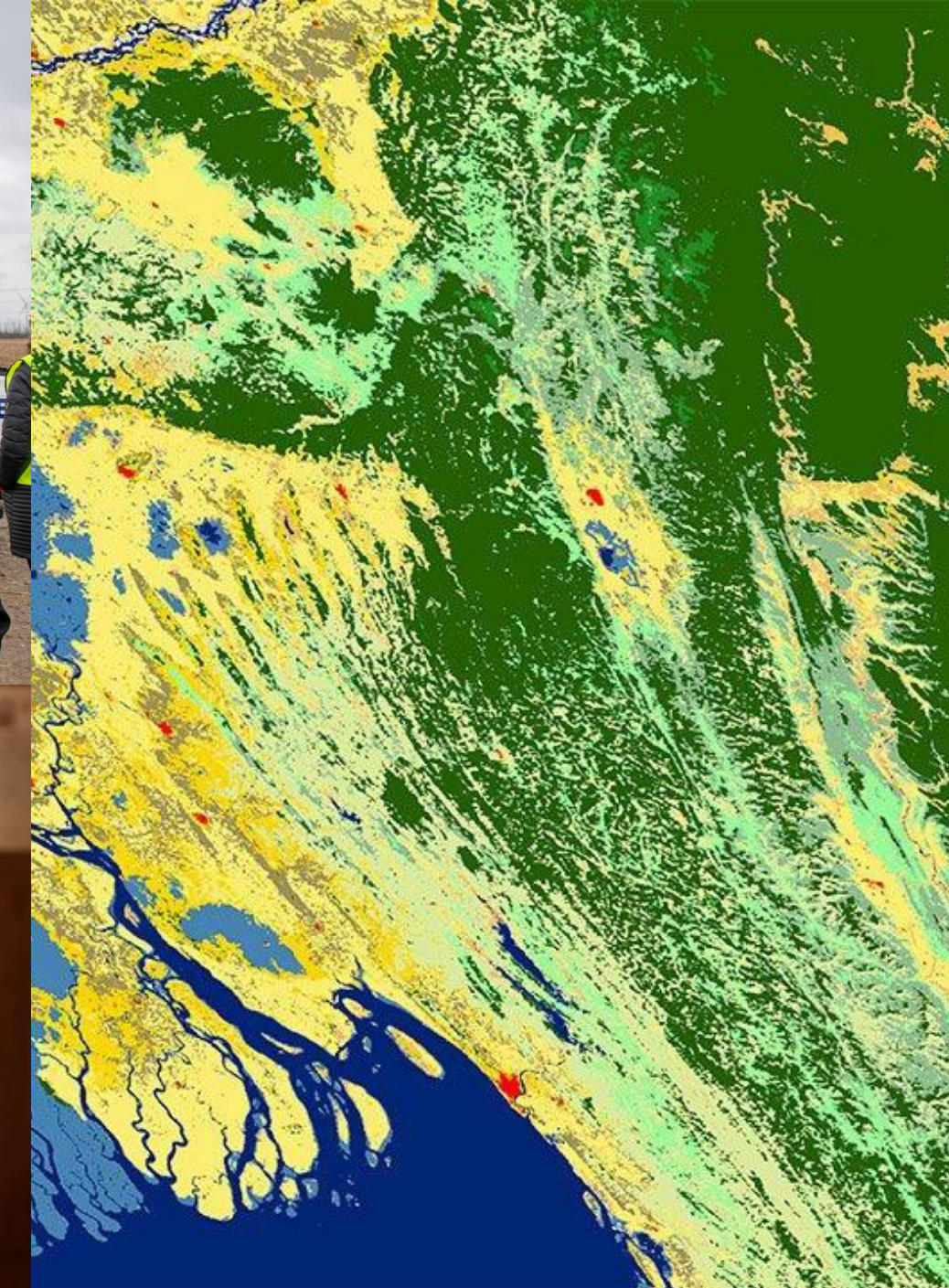
OF SEAS ALUMNI
HAVE RECEIVED A
DUAL DEGREE FROM
ANOTHER ONE OF U-
M'S NATIONALLY
RANKED TOP 10
PROGRAMS

 **Alumni**

ARE REPRESENTED IN ALL
50 STATES AND 80+
COUNTRIES

Overview

- GIS, remote sensing, statistics, data science, modeling
- Broad toolkit; typically students choose to combine it with interest in a particular domain such as:
 - Ecosystem Science and Management
 - Environmental Justice
 - Sustainability and Development
- Requirements are designed to be very flexible



Core Faculty

Leading experts in geographic information science, data-driven modeling and processing, advanced statistical methods, remote sensing, land use, wildlife conservation, and sustainable development



Kathleen Bergen

Associate Research
Scientist



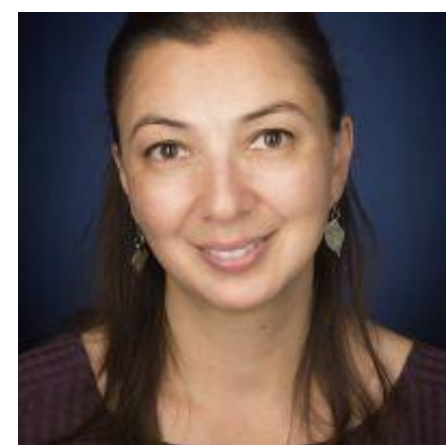
Shannon Brines

Lecturer



Neil Carter

Associate Professor



**Silvia
Cordero-Sancho**

Lecturer



Bill Currie

Professor, Associate Dean



Kim C. Diver

Lecturer III



**Ayumi
Fujisaki-Mano
me**

Associate Research



**Dimitrios
Gounaridis**

Research Scientist,
Lecturer



Meha Jain

Associate Professor



Derek Van Berkel

Assistant Professor



Kai Zhu

Associate Professor

About the Curriculum



Sample Courses

- Remote Sensing of Environment
- Environmental Spatial Data Analysis
- GIS and Natural Resource Applications
- Introductory Python for Geospatial Data Sciences I



Master's Project or Thesis

- Project
 - Group project (3-7 students), interdisciplinary, real-world applied problem for an external client
- Thesis
 - Individual research and writing, often a



SEAS and EPP Core

- Required GDS courses
 - GIS
 - remote sensing
- Electives
 - modeling, statistics
 - other fields of study
- Certification programs
 - Environmental Spatial Analysis
 - Complex Systems



Dual Degrees

- Other U-M schools
 - Law
 - Public Policy
 - Business
 - Engineering
 - Education

Course Schedule

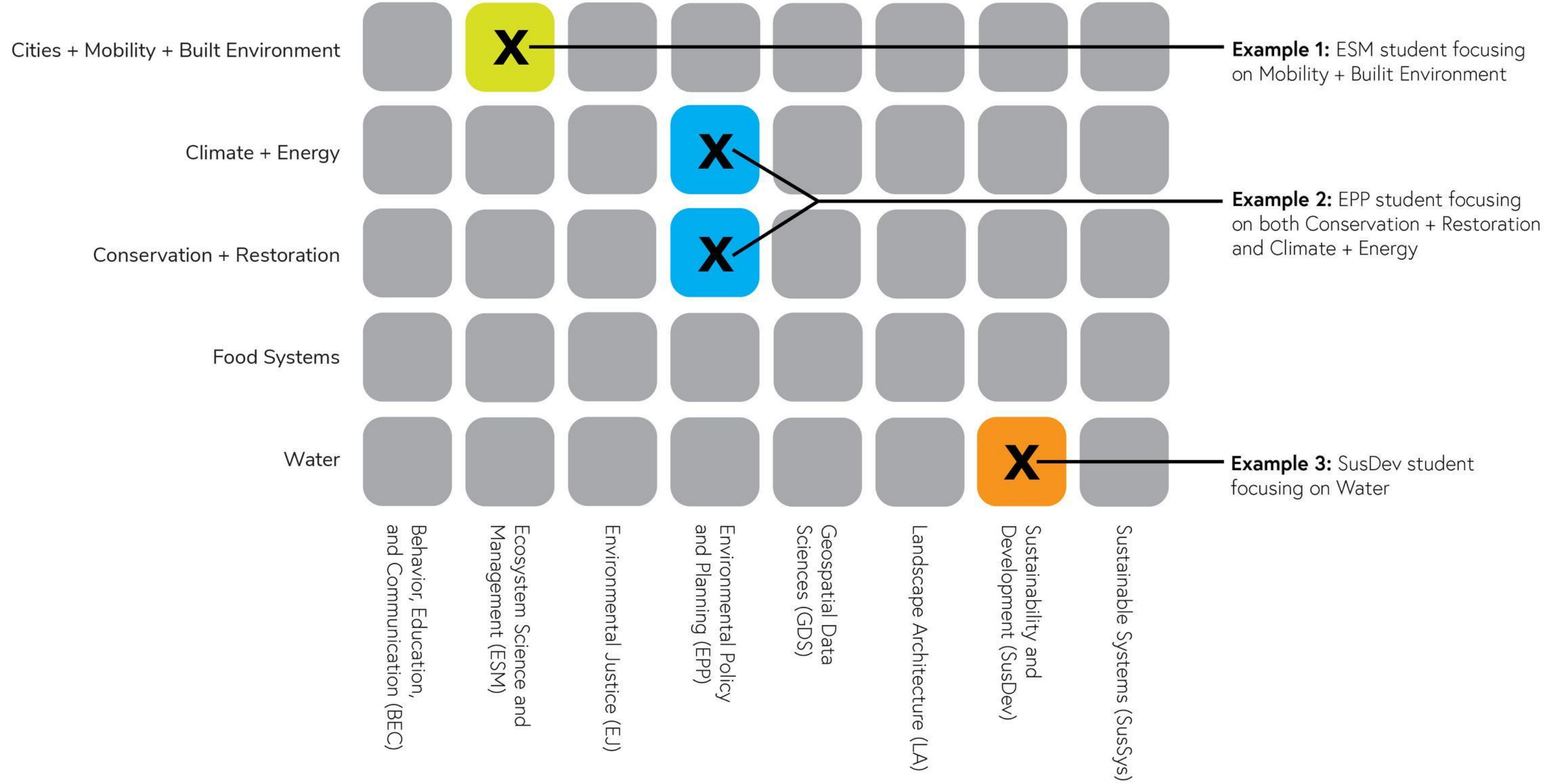
Fall

- EAS 501 Geovisualization (Van Berkel)
- EAS 501 Multivariate stats (Gronewold)
- EAS 531 Intro to GIS (Diver)
- EAS 538 Nat Res Statistics (Ibanez)
- EAS 540 GIS and Nat Res Applic (Brines)
- EAS 543 Envntal Spatial Data Analysis (Cordero-Sancho)

Winter

- EAS 531 Intro to GIS (Carter)
- EAS 538 Nat Res Statistics (Jain)
- EAS 539 Landscape Ecology (Currie)
- EAS 541 Remote Sensing (Gounaridis)
- EAS 639 Intro to Python (Brines); followed by Advanced Python
- EAS501.006 GPS and Geospatial Field Technologies (Brines)

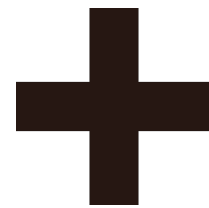
Themes



Specializations

Dual Degrees

Environment &
Sustainability
MS



Master of science in engineering (MSE)

Master of business administration (MBA)

Master of urban and regional planning (MURP)

Master of science in public policy (MPP)

Juris doctor (JD)

Self-initiated dual degrees

Alumni Employment

All Sectors

Academia

- PhD programs at various universities
- Faculty positions at various universities

Government

- NASA
- NOAA
- FEMA
- US Forest Service
- US EPA
- US Department of Energy
- Great Lakes Commission
- Southeastern MI Council of Governments

Private

- ESRI
- ENVIRON
- Greenman-Pedersen, Inc. INSIDEO

NGOs

- National Wildlife Federation
- African Wildlife Foundation
- The Nature Conservancy
- World Resources Institute
- United Nations Environment Programme
- Ecological Restoration Institute
- Grand Traverse Conservancy
- Leelanau Conservancy





SEAS

SCHOOL FOR ENVIRONMENT
AND SUSTAINABILITY
UNIVERSITY OF MICHIGAN



SEAS Employment by Numbers



SATISFIED
WITH POST-
GRAD
POSITION



JOB
SEEKERS
FOUND
FULL-TIME
JOBS



FOUND
POSITION
WITHIN 6
MONTHS



**Enrollment
deadline
April 15**

M | **SEAS** SCHOOL FOR ENVIRONMENT
AND SUSTAINABILITY
UNIVERSITY OF MICHIGAN

Come join us!

Questions?

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