

ENVIRONMENTAL CONSERVATION: ENVIRONMENTAL OBSERVATION AND INFORMATICS, MS

This is a named option in the Environmental Conservation MS. (<https://guide.wisc.edu/graduate/environmental-studies/environmental-conservation-ms/#text>)

The Environmental Observation and Informatics (EOI) named option is a 15-month program that combines cutting-edge Earth observation technologies, remote sensing, and big data analytics to prepare students for a professional career.

The EOI named option is designed for individuals at any stage of their career who have a passion for conservation, technology, or analytics, whether they are just starting out their careers or looking to expand their technical, analytical, and leadership expertise. The EOI program will focus on the following skills:

1. Remote sensing and technology integration: Learn how to choose and use the best tools and technologies such as LiDAR, drones (UAVs), cloud platforms, social media, and crowd-sourced data.
2. Modeling and analysis: Create models to better understand natural events and impact of human actions, forecast future scenarios, and use data analysis to identify trends that inform better decision-making in policy and management.
3. Innovative leadership: Develop the strategic skills to design and lead the use of observation technologies in advancing policies, guiding programs, and making informed decisions.