



Study Climate Impacts

Program Goals

Master climate sciences and address the rise in environmental challenges, while applying your skills to answer personalized research questions.

Interdisciplinary Education

Learn how to structure end-to-end systems that link data, information, knowledge, and planning, with meaningful decisions and measurable climate action.

Designing Climate Solutions

Our program culminates with a hands-on project defined by partners that leads to effective practices in problem-solving and allows the co-generation and design of real climate solutions.



OUR CHANGING CLIMATE

Become a translator for climate sciences, with a foundation in engineering.

Our students develop skills and knowledge in data retrieval, data analysis, geographical information systems, climate observations, and critical problem-solving so they can make a real impact.

Sample Coursework

- Climate Fundamentals
- Geographic Information Systems
- Climate Data Analysis
- Background in Statistics
- Regional Scale Climate
- Project-Based Courses
- Remote Sensing for Environmental GIS
- Experiential Learning in Partnership with Climate Action Organizations

Master of Engineering in Climate Impacts & Solutions

Scientists rely on the usefulness of data, while practitioners depend on the usability of data. At the U-M Department of Climate and Space, our Master of Engineering in Climate Impacts & Solutions forms the bridge between the two.

Analyzing Climate Impacts, Designing Meaningful Solutions

Our Students Make an Impact

SUSTAINABILITY IN AGRICULTURE

Agricultural Adaptation Technologies for Crops
Partnership with GLISA, Michigan State Extension
Students studied the impacts of frost fans on Michigan apple crops and the cost-benefit relationship.

AIR POLLUTION

Electrifying Washtenaw County's Residential Sector
Partnership with City of Ann Arbor
Students quantified the cost and emissions reduction potential of total residential electrification to identify gaps in financial feasibility and social justice, for the purpose of better public policy.

SEA LEVEL RISE

Coast to Coast Resiliency Project
Partnership with GLISA, University of Georgia
Students examined flood vulnerabilities along coasts of the Great Lakes and Georgia to determine benefits and tradeoffs of climate adaptation decisions.

Contact us to learn about more sample student projects.

Unique Experience



*Individualized, Self-Directed
Research Projects*



*Direct Student Advising
Opportunities*



*Small Student Cohorts
& Class Sizes*



*Diversity in Student Groups
& Project Demographics*



*Committed to
Carbon Neutrality*

**Earn your degree in
CLIMATE IMPACTS
& SOLUTIONS**

Application Deadlines: October 1, March 5



Apply Today

