

MATHEMATICS PhD DEGREE SUPPORT



in Ecosystem Informatics



OSU

Oregon State
UNIVERSITY

Offering:

- A monthly stipend
- 2 years tuition coverage
- 10K research allowance
- Paid internships

Graduates with an ecosystem informatics minor will be **well prepared and highly sought after** for positions in local, state, federal, and international agencies and universities **thus broadening the relevance and employment opportunities** for the Ph.D. degree in mathematics.

OSU has the only Ecosystem Informatics program in the nation. It applies the tools and concepts of mathematics and computer science to the ecological sciences. Students are **working on exciting and timely projects** such as:

River Basin Informatics/
Watershed Management
-Mathematical, computational and data intensive resources are utilized for modeling and analysis of landform responses to natural and/or engineered forcings.

Financial Valuation of
Natural Resources -
Financial and policy instruments are used to manage resources, e.g. fisheries, forest harvests. Questions involving the financial, environmental, and social valuation of policies are identified which require modeling and analysis of the physical, biological, and economic characteristics of the resource.

While only samples of problems in Ecosystem Informatics, the need for significant contributions to the environmental problems of the 21st century presents a diverse array of new opportunities for mathematically inclined PhD students - **in a university recognized for world leadership in many areas of the ecosystem sciences.**

www.geo.oregonstate.edu/igert