



Environmental Earth Systems Management

The EESM specialization integrates broad expertise in environmental studies from across several disciplines with the technical skills needed for success in a management role.

Core Courses:

- ISCA 507 Sustainability in the Anthropocene
- ISCA 607 Global Environmental Policy and International Negotiations
- ISCA 682 Contemporary Issues in Water Resource Governance
- ISCA 685 Adv. Topics in Environmental Earth Systems Management

Geoinformatics

Geoinformatics provides students with a deep background in the analysis of complex geographical data. Students will be immersed in hands-on learning to gain cross-disciplinary expertise through real-world projects. Students will obtain skills in remote sensing, data management, GIS and image analysis.

Core Courses:

- ISCA 585 Spatial Data Science
- ISCA 595 GIS and Geoinformatics
- ISCA 662 Advanced Topics in Remote Sensing
- ISCA 695 Special Topics in Advanced Geoinformatics

Environmental Weather Intelligence

This online program enhances students' proficiency in quantifying uncertainty and managing weather risk within business enterprises. This program aims to produce exemplary professionals with cross-disciplinary scientific skills and business knowledge.

Core Courses:

- ESCI 541 Severe Weather Decision and Support
- EMGT 619 Emergency Management Planning
- ISCA 642 Weather Risk Management
- ISCA 643 Climate Science Applications
- ISCA 645 Advanced Topics in Business Weather Intelligence

POTENTIAL CAREERS

EE :

- Environmental risk management
- Water resource management
- Operations coordination
- Watershed sustainability management
- Environmental policy
- Environmental law

EFAC :

- Data analyst
- Project manager
- Research technician
- GIS environmental analyst
- Database administrator (public/private and nonprofit)

EAEEECEADAAEE :

- Energy trader
- Weather risk analyst
- Weather-related commodity trader
- Weather derivatives valuation
- Weather insurance manager



CONTACT INFORMATION:

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