

# REMOTE SENSING AND EARTH OBSERVATION GRADUATE CREDIT CERTIFICATE PROGRAM

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- Combine accepted techniques and prior knowledge of remote sensing technologies to create new solutions for previously unencountered situations.

## Learning Outcomes

### Application

- Apply knowledge of various remote sensing technologies and platforms for the creation of spatial information to address challenges in the private, commercial, and societal sectors.

### Communication

- Communicate the nuances of complex spatial relationships with text, voice, and visual products to broadly inform professional and non-technical audiences in a range of contexts.

### Creation

- Create innovative solutions by collecting remotely sensed observations to create new knowledge as exemplified in maps and databases to generate solutions to challenging problems.

### Critical Thinking

- Objectively analyze and evaluate a situation in the context of available remotely sensed observations in support of further analysis, problem solving, and decision making.

### Cultural Competence

- Demonstrate knowledge of cultural norms that are respectful of diversity and inclusion to establish a positive and professional work environment.

### Ethics

- Demonstrate ethical conduct by producing quality work, contributing to the community, managing professional relationships by establishing honest and respectful interactions among individuals and organizations.

### Knowledge

- Apply knowledge of remotely sensed information using appropriate geographic information technologies in a variety of contexts to educate, solve problems and make decisions.

### Professional

- Demonstrate conduct in alignment with professional standards in interpersonal communication, mediation, and respect for diversity while recognizing appropriate team roles in professional, community and education-based activities.

### Research