GEOSPATIAL INTELLIGENCE, MASTER OF SCIENCE

MS in Geospatial Intelligence

Prospective students will have the opportunity to assess their level of proficiency before enrolling in the program. In this experience, the student selects a mentor, identifies a geospatial issue of interest with an associated collection strategy, analytic methodology, and reporting strategy, and a written summary product and presentation.

Sequence of Study

The program commences with a required introductory course, and progresses through core courses, electives in specific areas of geospatial concentration, and a capstone exercise that provides students the opportunity to display advanced proficiency and thoughtful geospatial analysis based on the content of the program. Individual and collaborative projects are woven through the courses.

Learning Outcomes

The MS in Geospatial Intelligence weaves the history, science, mathematics, and art of geospatial analysis into a program that will enable its graduates to lead and shape this rapidly-growing intelligence discipline. The program combines recognized faculty with extensive geospatial experience and publications, an interactive and online curriculum, and the research resources, tools, and opportunities for its students to:

- Understand the history and evolution of geospatial intelligence and its enduring challenges.
• Develop the habits of mind and the conceptual framework to thrive as analysts, researchers, program leaders, and managers in the geospatial communities.

• Employ the appropriate mathematical models and scientific sensor knowledge necessary to design advanced commercial geospatial collection management for big data and small data problems, and to design geospatial databases for complex issues,

• Develop analytic processes and products as well as demonstrate the ability to communicate geospatial information and analysis accurately and persuasively in writing and briefing.

• Produce original research on the history and methodologies of geospatial intelligence.