MASTER OF SCIENCE IN ADMINISTRATION
Geographic Information Science Specialization

Mission Statement
The Departments participating in the MSA program ensure that graduates, in their full diversity, achieve mastery of the skill sets that will enable them not only to perform the professional work tasks in their respective fields competently but also to assume roles as strategic team members who can apply innovative planning and problem solving to further the goals of their organizations.

Student Learning Outcomes
Students with a UWF Master of Science in Administration in Geographic Information Science should be able to do the following:

Content
- Comprehend and describe the concepts, theories, and frameworks in relevant subfields of the geospatial sciences.
- Describe professional careers in the geospatial sciences.

Critical Thinking
- Select appropriate research techniques to solve problems in the geospatial sciences.
- Utilize appropriate technical resources in addressing management issues within the discipline of geospatial sciences.
- Critically examine and evaluate original research related to GIS administration.
- Identify and apply research methodologies to GIS and geospatial sciences.
- Develop working knowledge of key concepts and principles of research design in topic areas related to GIS.

Communication
- Present ideas clearly, effectively, and elegantly in written and oral communications.
- Exhibit effective interpersonal communication.
- Organize and facilitate groups, coalitions, and partnerships.
- Develop and apply networking skills to develop and maintain consultative relationships.
- Discuss how current technical and resource issues affect GIS administration.
- Develop online GIS-based applications to engage with citizens.
• Communicate the GIS project process and the results in written, oral, and graphic media at a professional level.

**Integrity/Values**
• Adhere to the basic principles of the Code of Ethics for Geographic Information System professionals.
• Assume responsibility for advancing the profession of a GIS administrator.

**Assessment Plan**
Evaluation of student achievement of these learning outcomes will occur in each of the courses in the student’s curriculum. This will also be assessed by the completion of the capstone experience and final portfolio required in the student’s degree program.

**UNIVERSITY DOMAINS-MSA CORE**

**Content**
• Integrate successful fundamental business principles as part of an interdisciplinary solution set to address organizational issues in government and non-profit organizations.
• Identify evaluation strategies for use in administrative settings.

**Critical Thinking**
• Apply fundamentals of economics, financial management, marketing management, organizational behavior, business systems, and general management to enrich the administrative decision processes in governmental and non-profit settings.
• Analyze situations for evaluation design, questions, and strategies.

**Communication**
• Communicate with colleagues and constituents using current business and Management terminology.
• Communicate results, policy, and procedures with colleagues and constituents.

**Integrity/Ethics/Characteristics**
• Explain and analyze the issues relating to management ethics and social responsibility.
• Describe and assess the processes of individual and group decision making, illustrating when each should be used in the context of Organization Learning.
• Apply ethical standards to evaluation processes and procedures.

**Job Prospects for MSA Geographic Information Science Specialization**

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<thead>
<tr>
<th>Position</th>
<th>Title</th>
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<tbody>
<tr>
<td>GIS Manager</td>
<td>GIS Analyst</td>
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<tr>
<td>Geo Marketing Manager</td>
<td>Geospatial Analyst</td>
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<tr>
<td>Consulting</td>
<td>GIS Specialist</td>
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<tr>
<td>GIS Coordinator</td>
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Advance your career in: urban/regional planning, natural resources, commercial, health, utilities, petroleum, education, government, and defense and intelligence. Researchers, engineers, planners, technicians, cartographers, are other common job titles using GIS.

*Find out more about MSA in Geographic Information Science Specialization at UWF:*

http://uwf.edu/cseh/departments/environmental-studies/