The MS in GIS Administration degree program requires a minimum of 36 credit hours, including 12 credit hours of business courses and 24 credit hours of GIS coursework. It has only one track.

Admission Requirements

In addition to the University graduate admission requirements, the department bases decisions for regular admission on a holistic review of credentials in which the criteria listed below are used to assess the potential success of each applicant.

- Recommended minimum score at the 50th percentile for the verbal reasoning section and the 40th percentile for the quantitative reasoning section of the Graduate Record Examination (GRE*).
- Recommended minimum undergraduate cumulative GPA of 3.0 on a 4 point scale.
- Recommended minimum senior year/major GPA of 3.0 on a 4 point scale.
- Submission of letter of intent describing work experience and reasons for pursuing the program, including how the degree relates to career goals.
- Submission of a completed GIS capstone intention form.
- Submission of three recommendation forms by individuals familiar with the student’s ability to succeed in a graduate program.

*GRE waiver will apply to the following:

- UWF Graduate GIS Certificate holders with a Certificate GPA of 3.0 or higher
- UWF undergraduate GIS Certificate holders with a Certificate GPA of 3.5 or higher
- Students who hold previous MS or MA graduate degrees

No more than 49% of program requirements for this degree may be in traditional business subjects.

Geographic Information Science Administration

Foundational Proficiencies (15 sh)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>GIS 4006+L</td>
<td>1</td>
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<tr>
<td>GIS 5007 &amp; 5007L</td>
<td>4</td>
</tr>
<tr>
<td>GIS 4035+L</td>
<td>4</td>
</tr>
<tr>
<td>GIS 5027 &amp; 5027L</td>
<td>4</td>
</tr>
<tr>
<td>GIS 4043+L</td>
<td>4</td>
</tr>
<tr>
<td>GIS 5050 &amp; 5050L</td>
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<tr>
<td>GIS 5100</td>
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Total Hours: 15

Management Core (12 sh)

<table>
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<tbody>
<tr>
<td>GEB 5816</td>
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</tr>
<tr>
<td>GEB 5871</td>
<td>1.5</td>
</tr>
<tr>
<td>GEB 5872</td>
<td>1.5</td>
</tr>
<tr>
<td>GEB 5875</td>
<td>1.5</td>
</tr>
<tr>
<td>MAN 6156</td>
<td>3</td>
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</tbody>
</table>

Choose two from the following:

- GEB 5870 MBA Foundations: e-Business Systems
- GEB 5876 MBA Foundations: Marketing Management

Or advisor approved GEB Course relating to specialization

No more than 49% of program requirements for this degree may be in traditional business subjects.

Graduate Certificate in GIS

Department: Earth and Environmental Sciences

Semester Hours: 12

This Graduate Geographic Information Science Certificate program (http://uwf.edu/cse/departments/earth-and-environmental-sciences/geographic-information-science/geographic-information-science/graduate-gis-certificate---online) is designed to teach students and working professionals both the highly in-demand technical skill of using industry-standard geospatial software as well as a strong conceptual foundation in Geographic Information Science. Graduate level courses focus on project development and management relating to various applications. The program represents the latest technologies that are revolutionizing many disciplines, including geography, environmental sciences, urban planning, archaeology, business, defense and intelligence, information technology services, and public health/safety in the information age. Required courses and GIS internship have been carefully combined to reflect the real-world requirements needed for careers in the geospatial sciences. Students completing this program can expect to be marketable as GIS Technicians, GIS Analysts, and GIS Managers within various industries. Students may choose to complete the Graduate GIS Certificate program either at the Pensacola campus in-person or through our Online campus.

Two specializations are available under the GIS Graduate Certificate program: Traditional GIS and Archaeology. Six semester hours are devoted to each specialization. The Archaeology option is only offered online. See the Course Catalog (http://catalog.uwf.edu/courseinformation/courses/gis) for course descriptions. Students...
accepted into the certificate program of their choice should schedule to meet with a program advisor to receive a detailed course plan. Students who successfully complete the 24-credit program (including pre-requisites) with a 3.0 overall GPA will be awarded a Graduate Geographic Information Science Certificate. Graduate Certificate courses count towards the MS in Geographic Information Science Administration (http://uwf.edu/cse/departments/earth-and-environmental-sciences/graduate-programs/ms-gis-administration) program.

Admission Requirements

Admission requirements vary slightly between our Pensacola campus and Online campus offerings.

Pensacola Campus Graduate Certificate in GIS Program:

• Admission to UWF as a degree seeking Graduate student.
• Discuss your intentions with your advisor
• Complete a Declaration of Certificate form

Online Campus Graduate Certificate in GIS Program:

• Submission of GIS Certificate Program Application
• Provide proof of Bachelor's degree from a regionally accredited institution
• Submission of letter of intent describing the candidate's work experience and reasons for pursuing the certificate program, including how the certificate relates to career goals
• Admission to UWF as a degree or non-degree seeking Graduate student
• Complete a Declaration of Certificate form

Foundational Proficiencies

GIS 4043/4043L Geographic Information Systems 4
Or
GIS 5050/5050L Geographic Information Systems 4
GIS 3015+L Cartographic Skills (+Lab) 4
Or
GIS 5007/5007L Computer Cartography 4
GIS 4035/4035L Photo Interpretation and Remote Sensing 4
Or
GIS 5027/5027L Aerial Photography and Remote Sensing 4

Total Hours 12

Core Courses

GIS 5103 GIS Programming 3
Choose one of the following: 3
GIS 5039 Applications in Remote Sensing
GIS 5100 Applications in Geographic Information Systems
GIS 5265 GIS Applications for Archaeology (Offered only in online Certificate program)
Choose one of the following: 3
GIS 5935 Special Topics in Geographic Science

GIS 5938 Special Topics in GIS for Archaeology
GIS 6110 Advanced Topics in Geographic Information Science
Choose three semester hours from the following: 3
GIS 5945 GIS Internship
GIS 6905 GIS Directed Study

Total Hours 12

Graduate Geographic Information Science - Archaeology Certificate

Department: Earth and Environmental Sciences
Veterans Affairs (VA) Certified? Yes
Semester Hours: 12

The Graduate GIS - Archaeology certificate program (http://uwf.edu/cse/departments/earth-and-environmental-sciences/geographic-information-science/geographic-information-science-graduate-gis-archaeology-certificate) is offered through the Online Campus and is designed to teach students, from novice to working professionals, both the highly in-demand technical skill of using industry-standard geospatial software as well as a strong conceptual foundation in Geographic Information Science. Geographic Information Systems is a computerized system that allows users to work with, interrelate, and analyze virtually all forms of spatial data for decision making. Students can expect to learn latest technologies that are revolutionizing many disciplines, including geography, environmental sciences, archaeology, business, defense and intelligence, and public health/safety in the information age. The archaeology program utilizes ArcGIS to create, visualize, query, and model archaeological, historical and anthropological data. Additionally, the program is designed to reinforce best practices for collecting spatially-related data on anthropological archaeology projects while recognizing the ethical issues associated with the management of sensitive data. Required courses and GIS internship have been carefully combined to reflect the real-world requirements needed for those interested in using GIS in the fields of archaeology and anthropology. Students completing this program can expect to be marketable as GIS Technicians, GIS Analysts, and GIS Managers within the fields of archaeology and anthropology and other industries.

Offered completely online, our graduate GIS Archaeology Certificate program is designed for non-degree and degree seeking working professionals seeking part-time education from a distance.

Students who successfully complete the 24-credit program (including foundational proficiencies) with a 3.0 overall GPA will be awarded a Geographic Information Science - Archaeology Certificate.

Admission Requirements

• Submission of GIS Certificate Program Application
• Submission of letter of intent describing the candidate's work experience and reasons for pursuing the certificate program, including how the certificate relates to career goals
• Proof of Bachelor's degree
• Admission to UWF as a degree or Graduate non-degree seeking student
• Complete a Graduate Certificate Declaration Form

Students may transfer one class (3 or 4 credits) into the graduate certificate program providing the transfer criteria are met.
The class must be an upper level undergraduate class from a regionally accredited U.S. university.

**Foundational Proficiencies**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GIS 4066+L</td>
<td>Computer Cartography (+Lab)</td>
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<tr>
<td>Or</td>
<td>GIS 5067+L</td>
<td>Computer Cartography (+Lab)</td>
</tr>
<tr>
<td>GIS 4046+L</td>
<td>Geographic Information Systems (+Lab)</td>
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</tr>
<tr>
<td>Or</td>
<td>GIS 5047+L</td>
<td>Geographic Information Systems (+Lab)</td>
</tr>
<tr>
<td>GIS 4035+L</td>
<td>Photo Interpretation and Remote Sensing (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>Or</td>
<td>GIS 5027+L</td>
<td>Aerial Photography and Remote Sensing (+Lab)</td>
</tr>
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**Required Courses**

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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>GIS 5103</td>
<td>GIS Programming</td>
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<tr>
<td>GIS 5265</td>
<td>GIS Applications for Archaeology</td>
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</tr>
<tr>
<td>GIS 5938</td>
<td>Special Topics in GIS for Archaeology</td>
<td>3</td>
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Choose from the following

<table>
<thead>
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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GIS 5945</td>
<td>GIS Internship</td>
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<tr>
<td>or GIS 5905</td>
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**Total Hours** 12