

**CERTIFICATE OF ACHIEVEMENT**

Upon successful completion of this program, students will be able to use GIS software to work in industry. GIS information is used by industry for a variety of purposes, such as population forecasting, land-use planning, weather forecasting and other areas. This program integrates classroom experience with hands-on lab exercises.

**STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:**

- Demonstrate an in depth knowledge of principles of geographic Information system and science.
- Demonstrate ability to communicate GIS principles through oral and written means.
- Demonstrate preparedness to meet competitive employment opportunities.

**GENERAL EDUCATION REQUIREMENTS (3 Credits):**

	CR	SEMESTER
<b>COMMUNICATIONS:</b> ENG 100, 101, 107, 113	3-5	_____

**SPECIAL PROGRAM REQUIREMENTS (27 Credits):**

	CR	SEMESTER
<b>GIS 109</b> Introduction to Geographic Information Systems	3	_____
<b>GIS 111</b> Introduction to Remote Sensing	3	_____
<b>GIS 205</b> GIS Applications	3	_____
<b>GIS 236</b> GIS Applications II	3	_____

**Plus 15 credits from the following:**

<b>CADD 100</b> Introduction to Computer Aided Drafting	3	_____
<b>CIT 132</b> Beginning Visual Basic	3	_____
<b>CIT 151</b> Beginning Web Development	3	_____
<b>CIT 171</b> Introduction to the UNIX Operating System	3	_____
<b>CIT 180</b> Database Concepts and SQL	3	_____
<b>CIT 181</b> Introduction to Oracle	3	_____
<b>CIT 232</b> Advanced Visual Basic	3	_____
<b>CIT 261</b> VBA Programming for Microsoft Office	3	_____
<b>CIT 290</b> Internship in CIT	1-6	_____
<b>GIS 214B</b> Programming in GIS	3	_____
<b>GIS 215B</b> Introduction to ArcIMS	3	_____
<b>GIS 290</b> Portfolios in GIS	3	_____
<b>IS 115</b> Introduction to Programming	3	_____

Computation included in GIS 109

Human Relations included in ENG 100, 101, 107, 113

**30**  
Total Credits

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CIT C08

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.