



**2009-2010 Geographic Information Systems, Certificate**

**PRE-REQUISITES:**

<b>GISC</b>	<b>1311</b>	<b>INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS</b> <i>Prerequisite: Completion of , or concurrent enrollment in DFTG 1309.</i>
<b>TECM</b>	<b>1303</b>	<b>TECHNICAL MATHEMATICS</b> <i>Prerequisite: A score of 18+ on the Elementary Algebra ACCUPLACER Exam or completion of MATH 0080.</i>
<b>COSC</b>	<b>1301</b>	<b>MICROCOMPUTER APPLICATIONS</b> <i>Prerequisite: Successful completion READ 0090 or equivalent.</i>
<b>ITSC</b>	<b>1409</b>	<b>INTEGRATED SOFTWARE APPLICATIONS I</b> <i>Prerequisite: Successful completion READ 0080 or equivalent.</i>
<b>GISC</b>	<b>1321</b>	<b>INTRODUCTION TO RASTER-BASED GIS</b> <i>Prerequisite: Completion of or concurrent enrollment in GISC 1311.</i>
<b>DFTG</b>	<b>1309</b>	<b>BASIC COMPUTER-AIDED DRAFTING</b> <i>Prerequisite: Completion of or concurrent enrollment in DFTG 1305 or ARTC 1321.</i>
<b>POFT</b>	<b>2312</b>	<b>BUSINESS CORRESPONDENCE AND COMMUNICATION</b> <i>Prerequisite: POFT 1301.</i>
<b>GISC</b>	<b>2320</b>	<b>INTERMEDIATE GEOGRAPHIC INFORMATION SYSTEMS</b> <i>Prerequisite: Completion of GISC 1311 an DFTG 1309.</i>
<b>GISC</b>	<b>1301</b>	<b>CARTOGRAPHY &amp; GEOGRAPHY IN GIS AND GPS</b> <i>Prerequisite: Completion of or concurrent enrollment in GISC 2320.</i>
<b>DFTG</b>	<b>2319</b>	<b>INTERMEDIATE COMPUTER-AIDED DRAFTING</b> <i>Prerequisite: DFTG 1305, DFTG 1309 or ARTC 1321.</i>
<b>ITSE</b>	<b>2409</b>	<b>DATABASE PROGRAMMING</b> <i>Prerequisite: ITSC 1409.</i>
<b>GISC</b>	<b>2404</b>	<b>GIS DESIGN WITH VECTOR ANALYSIS</b> <i>Prerequisite: GISC 1321, GISC 2303, and GISC 2359.</i>
<b>GISC</b>	<b>1364</b>	<b>CAPSTONE: GIS PRACTICUM</b> <i>Prerequisite: DFTG 2319 and GISC 1311.</i>

**\*\*Program Elective Options:**

<b>SRVY</b>	<b>1315</b>	<b>SURVEYING CALCULATIONS I</b> <i>Prerequisite: DFTG 1309, MATH 1414, or TECM 1303.</i>
<b>GISC</b>	<b>2311</b>	<b>GIS APPLICATIONS</b> <i>Prerequisite: GISC 1301, GISC 1321, and DFTG 2319.</i>
<b>DFTG</b>	<b>2321</b>	<b>TOPOGRAPHICAL DRAFTING</b> <i>Prerequisite: DFTG 1309.</i>
<b>DFTG</b>	<b>2340</b>	<b>SOLID MODELING/DESIGN</b> <i>Prerequisite: DFTG 1317, DFTG 2319.</i>