

GEOGRAPHIC INFORMATION SCIENCE, BS

IPC: 05/10/16
EFFECTIVE: Fall 2016

STUDENT: _____

CWID#: _____

DATE ENTERED: _____

ADVISOR: _____

GENERAL EDUCATION REQUIREMENTS:

	GRADE	SCH
FINE ARTS:		
FINE ARTS ELEC * _____	_____	3

ENGLISH COMPOSITION:

ENGL 101 Freshman Composition I	_____	3
ENGL 102 Freshman Composition II	_____	3

HUMANITIES:

HUMANITIES ELEC ** _____	_____	3
HUMANITIES ELEC ** _____	_____	3
COMM 101 Intro to Comm Studies	_____	3

MATHEMATICS:

MATH 101 College Algebra	_____	3
MATH ELEC *** _____	_____	3

NATURAL SCIENCES: †

NATURAL SCIENCE ELEC _____	_____	3
NATURAL SCIENCE ELEC _____	_____	3
NATURAL SCIENCE ELEC _____	_____	3

SOCIAL SCIENCES: **

SOCI SCI ELEC _____	_____	3
SOCI SCI ELEC _____	_____	3
		39

Approved for Graduation:

Director

Date

PROFESSIONAL CORE:

GEOGRAPHIC INFORMATION SCIENCE:

	GRADE	SCH
GISC 224 GPS in Nat Res Mgt	_____	2
GISC 250 Intro to GIS	_____	3
GISC 260 Remote Sensing	_____	3
GISC 341 Computer Cartography	_____	3
GISC 350 Intermediate GIS	_____	3
GISC 360 GIS Spatial Statistics	_____	2
GISC 371 Adv. GIS & Spatial Anal	_____	3
GISC 460 Comp Prog GIS I	_____	3
GISC 461 Comp Prog GIS II	_____	3
GISC 462 GIS Spat Dbase Appl I	_____	3
GISC 463 GIS Spat Dbase Appl II	_____	3
GISC 464 GISC Appl Project	_____	4
		35

COMPUTER PROFICIENCY:

COMPUTER LITERACY ELEC ♦♦♦	_____	3
COMPUTER SCIENCE ELEC ♦♦♦	_____	3
		6

DIRECTED PROFESSIONAL ELECTIVES:

DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
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DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
DIR ELEC † _____	_____	3
		40

TOTAL CURRICULUM HOURS:

120

Dean

Date

[See Reverse for Footnotes and Directed Elective Areas]

† † **International Education Requirement (IER)**

_____ Not required; In school prior to 09/05

_____ Required

Course _____ Date _____

KEY TO FOOTNOTES

- * **FINE ARTS ELEC** (ART 290, KINE 280, MUGN 290, THTR 290 as well as band, choir, guitar, piano performance, etc.)
- ** **HUMANITIES ELEC** (communications, foreign language, history, literature, and transfer courses in classical studies, philosophy and religious studies)
- *****MATH 112 or higher level or STAT 200**
- ♦ **NAT SCI ELEC - Must complete both Physical Science and Life Science-6 hours of one and 3 hours of the other** (Life Sciences – biology, environmental science, plant science, & animal science at Tech or botany/zoology/biochem from other Universities; Physical Sciences – chemistry, geology, & physics at Tech & astronomy/meteorology from other Universities)
- ** **SOC SCI ELEC** (Economics, geography, political science, psychology, & sociology from Tech & anthropology, criminal justice, international studies, or interdisciplinary studies from other Universities. 3 hours must be at the Sophomore level or above)
- *** Course must provide basic instruction in the use of computer technology and/or programming
- **** Course must go beyond the basics of computer technology and may include programming or database topics
- † **DIRECTED PROFESSIONAL ELEC** - Students should consult with advisor for appropriate electives (15 hours must be at the 300-level or above)
- †† **Must complete an International Education Requirement as either a History or Social Science Elective or other approved IER course**

† Directed Elective Content Areas:

Courses are chosen by the student in consultation with their advisor from the following content areas. Other content areas can be considered as they relate to GIS. Advisors will aid students in a course selection to facilitate a learning pathway that supports their academic and career goals. **15 hours must be at the 300-level or above.**

- **Agricultural Science**
- **Biology**
- **Business**
- **Civil Engineering**
- **Computer Information Systems**
- **Computer Science**
- **Environmental Science**
- **Forestry/Wildlife**
- **Geology**
- **Geography**
- **Professional Land Surveying**
- **Professional Aviation**
- **Social Science**