



**MY DEGREE MAP**  
**COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN**  
**GEOGRAPHIC INFORMATION SCIENCES (GIS) MAJOR-PROGRAM YEAR 2023-24**

	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	<b>1<sup>ST</sup> YEAR</b>	MTH 1114	3	SCI 2233/LAB	3/1	ENG 1102/04	3	IS 2241	3	CS 3310
	ENG 1101/03	3	STAT 2210	3	BIO 1120/LAB	3/1	COM 2241			
	<b>TOTAL</b>	<b>7</b>	<b>TOTAL</b>	<b>7</b>	<b>TOTAL</b>	<b>7</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>3</b>
	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	<b>2<sup>ND</sup> YEAR</b>	GEO 3300	3	GIS 3301	3	AREA IV SS COURSE	3	GEO 3301	3	FREE ELECTIVE
	AREA III SCI/LAB COURSE	3/1	AREA II LIT COURSE	3	SS 3375	3	AREA II HUM/FA COURSE	3	AREA II FA COURSE	3
	<b>TOTAL</b>	<b>7</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>
	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	<b>3<sup>RD</sup> YEAR</b>	GIS 3390	3	MINOR COURSE	3	GIS 3391	3	MINOR COURSE	3	AREA IV HIS COURSE
	MINOR COURSE	3	GIS 3310	3	AREA IV SS COURSE	3	GIS 3305	3	GIS 4499*	3
	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>3/6</b>
	TERM 1		TERM 2		TERM 3		TERM 4		TERM 5	
	<b>4<sup>TH</sup> YEAR</b>	GIS 4405	3	GIS 4420	3	GIS 4401	3	GIS 4415	3	GIS 4490*
	MINOR COURSE	3	MINOR COURSE	3	AREA IV SS COURSE	3	MINOR COURSE	3	FREE ELEC	3
									FREE ELEC	3
					<b>SUBMIT GRADUATION APPLICATION</b>					
	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>6/9</b>
					<b>TOTAL PROGRAM</b>					<b>120</b>

**COMPLETE ALL REQUIREMENTS**

**(58 HOURS)**

**AREA I**

TAKE THE FOLLOWING COURSES:

ENG 1101	COMP AND MODERN ENGLISH I	3 HOURS
ENG 1102	COMP AND MODERN ENGLISH II	3 HOURS
MINIMUM GRADE OF "C" REQ		

**AREA II**

TAKE ANY 1000 2000 LEVEL COURSE IN LITERATURE 3 HOURS

TAKE ANY 1000 2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN FINE ARTS, INCLUDING THE DISCIPLINES OF ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA. 3 HOURS

TAKE COM 2241 FUNDAMENTALS OF SPEECH 3 HOURS  
TAKE ANY 1000 2000 LEVEL COURSES WITH AN EXPANDED 3 HOURS

HISTORICAL AND CULTURAL SCOPE IN THE HUMANITIES/FINE ARTS DISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION, PHILOSOPHY, CLASSICS, THEATRE, MUSIC, DANCE, COMMUNICATION, SIGN LANGUAGE, INTERDISCIPLINARY STUDIES, OR OTHER HUMANITIES/ FINE ARTS AREAS.

**NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.**

**AREA III**

TAKE MTH 1114 PRE-CALCULUS TRIGONOMETRY 3 HOURS  
MINIMUM GRADE OF "C" REQ

TAKE SCI 2233/L233 PHYSICAL SCIENCE AND LAB 3/1 HOURS

TAKE ANY 1000-2000 LEVEL SCIENCE CLASSES (CLASS 4 HOURS

AND CORRESPONDING LAB) FROM THE FOLLOWING SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SELECT 2: BIO 1100/L100, BIO 1101/L101, BIO 2229/L229, CHM 1115/L115, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242, PHY 2252/L252, PHY 2253/L253, PHY 2262/L262, PHY 2263/L263, SCI 2234/L234, SCI 2240/L240.

**AREA IV**

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY 3 HOURS

TAKE THREE 1000-2000 LEVEL COURSE FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES: ANTHROPOLOGY, BUSINESS, CRIMINAL JUSTICE, ECONOMICS, GEOGRAPHY, HISTORY, HUMAN SERVICES, LEADERSHIP, INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, PSYCHOLOGY, RELIGION, SOCIAL WORK, SOCIOLOGY, OR OTHER SOCIAL SCIENCE AREAS. 9 HOURS

**NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.**

**AREA V**

IS 2241	COMPUTER CONCEPTS AND APPLICATIONS	3 HOURS
STAT 2210	INTRODUCTORY STATISTICS	3 HOURS
BIO 1120/L120	SURVEY OF ENVIRONMENTAL SCIENCE/LAB	3/1 HOURS
CS 3310	FOUNDATIONS OF COMPUTER SCIENCE	3 HOURS
SS 3375	RESEARCH METHODS IN THE SOCIAL SCIENCES	3 HOURS
TROY 1101	THE UNIVERSITY EXPERIENCE	1 HOUR

**GEOGRAPHIC INFORMATION SCIENCES  
2.0 GPA REQUIRED**

**(36 HOURS)**

GEO 3300	PRINCIPLES OF PHYSICAL GEOGRAPHY	3 HOURS
GEO 3301	PRINCIPLES OF CULTURAL GEOGRAPHY	3 HOURS
GIS 3301	CARTOGRAPHY & GEOVISUALIZATION	3 HOURS
GIS 3305	SPATIAL INFORMATION & ANALYSIS	3 HOURS
GIS 3310	INTRODUCTION TO REMOTE SENSING	3 HOURS
GIS 3390	FUNDAMENTALS OF GEOGRAPHIC INFORMATION & ANALYSIS	3 HOURS
GIS 3391	APPLICATION OF GEOSPATIAL INFORMATION SCIENCE	3 HOURS
GIS 4401	SPATIAL DATABASE DESIGN & MANAGEMENT	3 HOURS
GIS 4405	SPATIAL MODELING & PROGRAMMING	3 HOURS
GIS 4415	ADVANCED GEOSPATIAL TECHNOLOGIES	3 HOURS
GIS 4420	WEB BASED GIS/SPATIAL DATA APPLICATIONS	3 HOURS
GIS 4499	GIS INTERNSHIP OR GIS 4490 GIS SENIOR PROJECT	3 HOURS

**MINOR**

**(18 HOURS)**

AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED TO COMPLETE THIS DEGREE PROGRAM. ADDITIONAL MAJORS ARE ACCEPTABLE.

**FREE ELECTIVES REQUIREMENT**

**(8 HOURS)**

TAKE 8 SEMESTER HOURS OF FREE ELECTIVE CREDIT 8 HOURS