

**MY DEGREE MAP  
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN GEOGRAPHIC  
INFORMATION SCIENCES MAJOR-GEOGRAPHY CONCENTRATION  
PROGRAM YEAR 2024-25**

1 <sup>ST</sup> YEAR					
1 <sup>ST</sup> SEMESTER	HOURS	2 <sup>ND</sup> SEMESTER	HOURS	SUMMER	
TROY 1101 OR TROY 1105	1	ENG 1102/04	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
ENG 1101/03	3	BIO 1120/LAB	3/1		
MTH 1114	3	STAT 2210	3		
IS 2241	3	COM 2241	3		
SCI 2233/LAB	3/1	AREA II HUM/FA COURSE	3		
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>16</b>		
2 <sup>ND</sup> YEAR					
3 <sup>RD</sup> SEMESTER	HOURS	4 <sup>TH</sup> SEMESTER	HOURS	SUMMER	
AREA II LIT COURSE	3	GEO 3301	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
GEO 3300	3	SS 3375	3		
GIS 3301	3	FREE ELEC	3		
AREA IV SS COURSE	3	GIS 2201	3		
FREE ELEC	2	AREA II SCI/LAB COURSE	3/1		
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>16</b>		
3 <sup>RD</sup> YEAR					
5 <sup>TH</sup> SEMESTER	HOURS	6 <sup>TH</sup> SEMESTER	HOURS	SUMMER	HOURS
GIS 3390	3	GIS 3391	3	GIS 4499	3
GIS 3310	3	GIS 3305	3	(IF GIS 4490 IS NOT TAKEN 4TH YEAR)	
AREA IV HIS COURSE	3	AREA IV SS COURSE(GEO 2210 DR)	3		
AREA II FINE ARTS COURSE	3	MINOR COURSE	3		
MINOR COURSE	3	MINOR COURSE	3		
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>3</b>
4 <sup>TH</sup> YEAR					
7 <sup>TH</sup> SEMESTER	HOURS	8 <sup>TH</sup> SEMESTER	HOURS	SUMMER	
GEO COURSE ELEC	3	GEO COURSE ELEC	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
GEO COURSE ELEC	3	GEO COURSE ELEC	3		
AREA IV SS COURSE	3	GIS 4490 (IF GIS 4499 NOT TAKEN 3RD YEAR)	3		
MINOR COURSE	3	FREE ELEC	3		
MINOR COURSE	3	MINOR COURSE	3		
<b>SUBMIT GRADUATION APPLICATION</b>					
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</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 HISTORICAL AND CULTURAL SCOPE IN THE HUMANITIES/FINE ARTS DISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION, NURSING, PHILOSOPHY, CLASSICS, THEATRE, MUSIC, DANCE, COMMUNICATION, SIGN LANGUAGE, INTERDISCIPLINARY STUDIES, OR OTHER HUMANITIES/FINE ARTS AREAS. 3 HOURS

**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 CLASS (CLASS AND CORRESPONDING LAB) FROM THE FOLLOWING SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. 4 HOURS

**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, HOSPITALITY, SPORT, & TOURISM MANAGEMENT, INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, PSYCHOLOGY, NUTRITION, RELIGION, SOCIAL WORK, SOCIOLOGY, OR OTHER SOCIAL SCIENCE AREAS. (GEO 2210 DEPARTMENTAL RECOMMENDATION) 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
GIS 2201	INTRO TO SPATIAL COMPUTING USING PYTHON	3 HOURS
SS 3375	RESEARCH METHODS IN THE SOCIAL SCIENCES	3 HOURS
TROY 1101 OR TROY 1105		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	4499	GIS INTERNSHIP OR GIS 4490 GIS SENIOR PROJECT	3 HOURS

**SELECT TWO COURSES FROM THE FOLLOWING:**

**6 HOURS**

GEO	3350	WEATHER AND CLIMATE	3 HOURS
GEO	4402	POLITICAL GEOGRAPHY	3 HOURS
GEO	4403	CONSERVATION	3 HOURS
GEO	4406	URBANISM	3 HOURS
GEO	4411	POPULATION AND SOCIETY	3 HOURS

**SELECT TWO FROM THE FOLLOWING REGIONAL GEOGRAPHY COURSES:**

**6 HOURS**

GEO	3307	GEOGRAPHY OF EUROPE	3 HOURS
GEO	3306	GEOGRAPHY OF ASIA	3 HOURS
GEO	3312	GEOGRAPHY OF LATIN AMERICA	3 HOURS
GEO	3326	GEOGRAPHY OF THE RUSSIAN REALM	3 HOURS
GEO	3331	GEOGRAPHY OF THE MIDDLE EAST AND NORTH AFRICA	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