

MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
GEOGRAPHIC INFORMATION SCIENCES MAJOR
PROGRAM YEAR 2020-21

1 ST YEAR					
1 ST SEMESTER	HOURS	2 ND SEMESTER	HOURS	SUMMER	
TROY 1101	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	FREE ELEC	3		
TOTAL	14	TOTAL	16		
2 ND YEAR					
3 RD SEMESTER	HOURS	4 TH 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		
CS 3310	3	AREA II HUM/FA COURSE	3		
FREE ELEC	2	AREA III SCI/LAB COURSE	3/1		
TOTAL	14	TOTAL	16		
3 RD YEAR					
5 TH SEMESTER	HOURS	6 TH 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 4 TH YEAR)	
AREA IV HIS COURSE	3	AREA IV SS COURSE	3		
AREA II FINE ARTS COURSE	3	MINOR COURSE	3		
MINOR COURSE	3	MINOR COURSE	3		
TOTAL	15	TOTAL	15	TOTAL	3
4 TH YEAR					
7 TH SEMESTER	HOURS	8 TH SEMESTER	HOURS	SUMMER	
GIS 4405	3	GIS 4415	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS TERMS OR SEMESTERS AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
GIS 4420	3	GIS 4401	3		
AREA IV SS COURSE	3	GIS 4490 (IF GIS 4499 NOT TAKEN)	3		
MINOR COURSE	3	AREA IV SS COURSE	3		
MINOR COURSE	3	MINOR COURSE	3		
TOTAL	15	TOTAL	15		
SUBMIT GRADUATION APPLICATION					
TOTAL			TOTAL	TOTAL PROGRAM	
					120

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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, 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 CLASSES (CLASS 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 1110/L110, SCI 2234/L234, SCI 2240/L240. 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, 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

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**GEOGRAPHIC INFORMATION SCIENCES (36 HOURS)
2.0 GPA REQUIRED**

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