

# MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN GEOGRAPHIC INFORMATION SCIENCES MAJOR PROGRAM YEAR 2022-23

		1 <sup>ST</sup> YEAR						
1 <sup>ST</sup> SEMESTER	HOURS	2 <sup>ND</sup> SEMESTER	HOURS	SUMMER				
TROY 1101	1	ENG 1102/04	3	SELECT C	OLIDSES			
ENG 1101/03	3	BIO 1120/LAB	3/1	SELECT COURSES That have not been Completed from Previous terms or semesters as				
MTH 1114	3	STAT 2210	3					
IS 2241	3	COM 2241	3					
SCI 2233/LAB	3/1	FREE ELEC	3	PREREQUISITE COURSES OR				
TOTAL	14	TOTAL	16	COURSES TO BE RETAKEN				
		2 <sup>ND</sup> YEAR						
3 <sup>RD</sup> SEMESTER	HOURS	4 <sup>TH</sup> SEMESTER	HOURS	SUMN	AER			
AREA II LIT COURSE	3	AREA IV SS COURSE	3		PERSONAL PROPERTY AND ADDRESS OF			
GEO 3300	3	SS 3375	3	SELECT C				
GIS 3301	3	GEO 3301	3	THAT HAVE				
CS 3310	3	AREA II HUM/FA Course	3	COMPLETED FROM Previous terms or semesters as Prerequisite courses or Courses to be retaken				
FREE ELEC	2	AREA II SCI/LAB Course	3/1					
TOTAL	14	TOTAL	16					
		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				
AREA IV HIS COURSE	3	AREA IV SS COURSE	3	TAKEN 4TH YEAR)				
AREA II FINE ARTS COURSE	3	MINOR COURSE	3					
MINOR COURSE	3	MINOR COURSE	3					
TOTAL	15	TOTAL	15	TOTAL	3			
4 <sup>th</sup> YEAR								
7 <sup>th</sup> SEMESTER	HOURS	8 <sup>th</sup> SEMESTER	HOURS	SUM	AER			
GIS 4405	3	GIS 4415	3		- Valenty (			
GIS 4420	3	GIS 4401	3	SELECT COURSES That have not been Completed from Previous terms or semesters as Prerequisite courses or				
AREA IV SS COURSE	3	GIS 4490 (IF GIS 4499 Not taken)	3					
MINOR COURSE	3	FREE ELEC	3					
		MINOR COURSE	3					
MINOR COURSE	3	MINOR COURSE	5	PREREOUISITE	COURSES OR			
MINOR COURSE SUBMIT GRADUATIO APPLICATION		MINOR COURSE	5	COURSES TO				
SUBMIT GRADUATIO		TOTAL	15					



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COMPLETE ALL REQUIREMENTS	(58 HOURS)				
AREA I					
TAKE THE FOLLOWING COURSES: Eng 1101 comp and modern english i Eng 1102 comp and modern english ii Minimum grade of "C" Req.	3 HOURS 3 HOURS				
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 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.					
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 MINIMUM GRADE OF "C" REQ. TAKE SCI 2233/L233 PHYSICAL SCIENCE AND LAB 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 2234/L234, SCI 2240/L240.					
AREA IV					
TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY					
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 ARE. II OR IV, PLEASE CONSIDER THIS REQUIREMENT.	45				
AREAV					
IS2241COMPUTER CONCEPTS AND APPLICATIONSSTAT2210INTRODUCTORY STATISTICSBIO1120/L120SURVEY OF ENVIRONMENTAL SCIENCE/LABCS3310FOUNDATIONS OF COMPUTER SCIENCESS3375RESEARCH METHODS IN THE SOCIAL SCIENCESTROY1101THE UNIVERSITY EXPERIENCE	3 HOURS 3 HOURS 3/1 HOURS 3 HOURS 3 HOURS 1 HOUR				

EVERY REASONABLE ATTEMPT TO ENSURE ACCURACY HAS BEEN MADE. SOME COURSES (SUCH AS DEVELOPMENTAL OR PRE-REQUISITE COURSES) ARE NOT REFLECTED IN THIS DEGREE MAP. COMPLETION OF DEGREE REQUIREMENTS IS BASED ON THE SPECIFIC CATALOG YEAR FOR EACH STUDENT.A MINIMUM OF 120 HOURS IS REQUIRED FOR ALL BACCALAUREATE DEGREE PROGRAMS. AT LEAST 25% OF THE CREDIT HOURS REQUIRED FOR THE DEGREE MUST BE COMPLETED IN RESIDENCY WITH TROY UNIVERSITY.AT LEAST 12 SEMESTER HOURS OF RESIDENCY MUST BE COMPLETED IN ACCH MAJOR FIELD(S) OF STUDY.A MINIMUM GPA OF 2.0 OVERALL AND IN THE MAJOR IS REQUIRED TO GRADUATE.NOTE: PLEASE CONSULT THE COLLEGE OF ARTS AND SCIENCES OR CURRENT CATALOG FOR OTHER REQUIREMENTS NOT COVERED IN THIS DOCUMENT.NOTES: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. PLEASE CONSIDER THIS REQUIREMENT. WHEN SELECT-ING COURSEWORK IN AREAS II OR IV.



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

#### MINOR

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

#### FREE ELECTIVES REQUIREMENT

GEOGRAPHIC INFORMATION SCIENCES

TAKE 8 SEMESTER HOURS OF FREE ELECTIVE CREDIT

(8 HOURS) 8 HOURS

**3 HOURS** 

(18 HOURS)

(36 HOURS)

3 HOURS

MY DEGREE MAP SERVES AS A GUIDE TO ASSIST YOU WITH THE PROPER SEQUENCE AND SELECTION OF COURSES. IT DOES NOT REPLACE YOUR PROGRAM EVALUATION, WHICH DEPICTS THE OFFICIAL DOCUMENT USED TO CLEAR STUDENTS FOR GRADUATION. MY DEGREE MAP INCLUDES THE REQUIRED COURSE WORK AND SUGGESTED SEQUENCE OF COURSES FOR A PARTICULAR DEGREE PROGRAM. EVERY REASONABLE ATTEMPT HAS BEEN MADE TO ENSURE ACCURACY OF CONTENT. PLEASE KEEP IN MIND THAT SOME COURSES, SUCH AS DEVELOPMENTAL OR PRE-REQUISITE COURSES, ARE NOT REFLECTED IN MY DEGREE MAP. FOR DO DE DEGREE REQUIREMENTS IS BASED ON THE SPECIFIC CATALOG YEAR UNDER WHICH YOU WERE ADMITTED TO TROY. PLEASE CONSULT THE COLLEGE CATALOG, YOUR ACADEMIC ADVISOR, YOUR SPECIFIC SCHOOL, DEPARTMENT, OR YOUR PROGRAM EVALUATION FOR ANY ADDITIONAL REQUIREMENTS.