

## MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN GEOGRAPHIC INFORMATION SCIENCES (GIS) MAJOR-PROGRAM YEAR 2024-25

	term 1		term 2		term 3		term 4		term 5			
1 <sup>st</sup> YEAR	MTH 1114	3	SCI 2233/LAB	3/1	ENG 1102/04	3	IS 2241	3	AREA III SCI/LAB Course	3/1		
	ENG 1101/03	3	STAT 2210	3	BIO 1120/LAB	3/1	COM 2241	3				
	TROY 1101 OR TROY 1105	1					1 Production in					
	TOTAL	7	TOTAL	7	TOTAL	7	TOTAL	6	TOTAL	4		
2 <sup>ND</sup> YEAR	term 1		term 2		term 3		term 4		term 5			
	GEO 3300	3	GIS 3301	3	AREA IV SS Course (Geo 2210 Dr)	3	GEO 3301	3	FREE ELECTIVE	2		
	GIS 2201	3	AREA II LIT Course	3	SS 3375	3	AREA II HUM/FA Course	3	AREA II FINE ARTS Course	3		
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	5		
3 <sup>rd</sup> YEAR	term 1		term 2		term 3		term 4		term 5			
	GIS 3390	3	MINOR COURSE	3	GIS 3391	3	MINOR COURSE	3	AREA IV HIS Course	3		
	MINOR COURSE	3	GIS 3310	3	AREA IV SS Course	3	GIS 3305	3	GIS 4499*	3		
		1										
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	3/6		
4 <sup>тн</sup> YEAR	term 1		term 2		term 3		term 4		term 5			
	GIS 4405	3	GIS 4420	3	GIS 4401	3	GIS 4415	3	GIS 4490*	3		
	MINOR COURSE	3	MINOR COURSE	3	AREA IV SS Course	3	MINOR COURSE	3	FREE ELEC	3		
							FION APPLICATION		FREE ELEC	3		
	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6	TOTAL	6/9		
	TOTAL PROGRAM											



## COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN GEOGRAPHIC INFORMATION SCIENCES (GIS)MAJOR-PROGRAM YEAR 2024-25

	(59 HOURS)			
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, Nursing, Philosophy, classics, theatre, music, dance, communication, Sign language, interdisciplinary studies, or other humanities/fine arts areas.	3 HOURS 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 MINIMUM GRADE OF "C" REQ Take SCI 2233/L233 Physical Science and LAB 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.				
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 AREA II OR IV, PLEASE CONSIDER THIS REQUIREMENT.	AS			
AREAV				
IS2241COMPUTER CONCEPTS AND APPLICATIONSSTAT2210INTRODUCTORY STATISTICSBIO1120/L120SURVEY OF ENVIRONMENTAL SCIENCE/LABGIS2201INTRO TO SPATIAL COMPUTING USING PYTHONSS3375RESEARCH METHODS IN THE SOCIAL SCIENCESTROY1101 OR TROY 1105	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 EACH 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 SELECTING COURSEWORK IN AREAS 11 OR IV. COLLEGE OF ARTS AND SCIENCES AFT NOVED AND SCIENCES AFT NOVED AND SCIENCES (GIS)MAJOR-PROGRAM YEAR 2024-25

GEOGRA 2.0 GPA R		FORMATION SCIENCES	(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								
TAKE 8 SEMESTER HOURS OF FREE ELECTIVE CREDIT								

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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. COMPLETION OF 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.