

**MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
SURVEYING AND GEOMATICS SCIENCES PROGRAM
PROGRAM YEAR 2024-25**

1ST YEAR					
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	HRS
TROY 1101 OR TROY 1105	1	FREE ELEC	3		
ENG 1101/03	3	AREA II FINE ARTS COURSE	3		
MTH 1125	4	STAT 2210	3		
IS 2241	3	ENG 1102/04	3		
ART 2201	3	AREA IV HIS COURSE	3		
TOTAL	14	TOTAL	15		
2ND YEAR					
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	HRS
GEM 2220/L220	3/1	GEM 3330/L330	3/1	GEM 3395 DR (IF GEM 4499 WILL NOT BE TAKEN 4TH YEAR)	1
AREA IV SS COURSE	3	GIS 2201	3		
AREA II SS COURSE (GEO 2210 DR)	3	AREA II HUM/FA COURSE (COM 2241 DR)	3		
GEM 1100	2	GEM 1101	2		
PHY 2252/L252	3/1	PHY 2253/L253	3/1		
TOTAL	16	TOTAL	16	TOTAL	1
3RD YEAR					
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	HRS
GIS 3390	3	GIS 3391	3	GEM 4496 DR (IF GEM 4499 WILL NOT BE TAKEN 4TH YEAR)	1
GEM 3309/L309	3/1	GEM 4408	3		
AREA II LIT COURSE	3	GEM 3310/L310	3/1		
GEM 3366	3	MTH 2230	3		
FREE ELEC	3				
TOTAL	16	TOTAL	13	TOTAL	1
4TH YEAR					
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	HRS
GEM 4409/L409	3/1	GEM 4407/L407	3/1	SELECT COURSES THAT HAVE NOT BEEN COMPLETED	
GEM 3379	3	GEM 4499 (IF CO-OPS TOTALING 2 CREDIT HOURS NOT TAKEN)	2		
GEM 4410	3	GEM 4490	1		
FREE ELEC	3	AREA IV SS COURSE	3		
FREE ELEC	3	GEM 4405/L405	3/1		
TOTAL	16	TOTAL	14		
SUBMIT YOUR GRADUATION APPLICATION GREE				MINIMUM HOURS REQUIRED FOR DE-	120

COMPLETE ALL REQUIREMENTS

(55 HOURS)

DR DENOTES A DEPARTMENTAL RECOMMENDED COURSE

AREA I

MINIMUM GRADE OF "C" REQUIRED

ENG 1101	COMP AND MODERN ENGLISH I	3 HOURS
ENG 1102	COMP AND MODERN ENGLISH II	3 HOURS

AREA II

TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE 3 HOURS

TAKE ART 2201 INTRODUCTORY DRAWING 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 ONE 1000-2000 LEVEL COURSE 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 REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

AREA III

MTH 1125 CALCULUS I 4 HOURS
MINIMUM GRADE OF "C" REQUIRED

TAKE A PHYSICS COURSE/LAB SEQUENCE:

PHY 2252/L252 GENERAL PHYSICS I & PHY 2253/L253 GENERAL PHYSICS II 8 HOURS
OR
PHY 2262/L252 PHYSICS I WITH CALCULUS & PHY 2263/L253 PHYSICS II WITH CALCULUS

AREA IV

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

TAKE ANY THREE 1000-2000 LEVEL COURSES 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. 9 HOURS

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

AREA V

TAKE THE FOLLOWING COURSES:

TROY 1101 OR TROY 1105		1 HOUR
IS 2241	COMPUTER CONCEPTS AND APPLICATIONS	3 HOURS
GIS 2201	INTRO TO SPATIAL COMPUTING USING PYTHON	3 HOURS
STAT 2210	INTRODUCTORY STATISTICS	3 HOURS
MTH 2230	APPLIED LINEAR ALGEBRA	3 HOURS

**SURVEYING AND GEOMATICS SCIENCE PROGRAM
2.0 GPA REQUIRED**

(53 HOURS)

TAKE THE FOLLOWING COURSES:

GEM 1100	COMPUTER-AIDED DRAFTING I	2 HOURS
GEM 1101	COMPUTER-AIDED DRAFTING II	2 HOURS
GEM 2220/L220	BASICS OF SURVEYING/LAB	3/1 HOURS
GEM 3309/L309	LAND SURVEY PRINCIPLES/LAB	3/1 HOURS
GEM 3310/L310	LAND SURVEY PRACTICE/LAB	3/1 HOURS
GEM 3330/L330	ADVANCED MEASUREMENT ANALYSIS/LAB	3/1 HOURS
GEM 3366	PHOTOGRAMMETRY & REMOTE SENSING	3 HOURS
GEM 3379	INTRODUCTION TO LEAST SQUARES ADJUSTMENT	3 HOURS
GIS 3390	FUNDAMENTALS OF GEOGRAPHIC INFORMATION AND ANALYSIS	3 HOURS
GIS 3391	APPLICATION OF GIS	3 HOURS
GEM 4405/L405	ROUTE & CONSTRUCTION SURVEYING/LAB	3/1 HOURS
GEM 4407/L407	LAND DEVELOPMENT/LAB	3/1 HOURS
GEM 4408	GEODESY & GEODETICS	3 HOURS
GEM 4409/L409	HYDROLOGY/LAB	3/1 HOURS
GEM 4410	INTRODUCTION GLOBAL POSITIONS	3 HOURS
GEM 4490	GEOMATICS CAPSTONE	1 HOUR

TAKE AN ADDITIONAL 2 HOURS FROM THE FOLLOWING:

GEM 4499 (2), OR GEM 3395 (1) AND GEM 4496 (1)	2 HOURS
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FREE ELECTIVES REQUIREMENT

(12 HOURS)

TAKE 12 SEMESTER HOURS OF FREE ELECTIVE CREDIT.	12 HOURS
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