



MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
SURVEYING AND GEOMATICS SCIENCES PROGRAM – PROGRAM YEAR 2015-16

1ST YEAR					
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	HRS
TROY 1101	1	IS 2241	3	PHY 2252/LAB	3/1
ENG 1101/03	3	MTH 1126	4	ART 2201	3
MTH 1125	4	MTH 2210	3		
AREA IV SS COURSE	3	ENG 1102/04	3		
GEM 1100 /L100	3/1				
TOTAL	15	TOTAL	13	TOTAL	7
2ND YEAR					
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	HRS
GEM 2220/L220	3/1	GEM 3330 /L330	3/1	GEM 3395 (CO-OP 1 DR)	1
GEM 3390/L390	3/1	GEM 3391/L391	3/1		
PHY 2253/LAB	3/1	GEM 4408/L408	3/1		
		CS 2250	3		
TOTAL	12	TOTAL	15	TOTAL	1
3RD YEAR					
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER	HRS
GEM 3379/L379	3/1	GEM 4410/L410	3/1	GEM 3395 (CO-OP 1 DR)	1
GEM 3309/L309	3/1	GEM 4405/L405	3/1		
AREA II FINE ARTS COURSE	3	GEM 3310/ L310	3/1		
AREA II LIT COURSE	3	AREA II HUM/FA COURSE (COM 2241 DR)	3		
TOTAL	14	TOTAL	15	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 FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN	
GEM 3366/L366	3/1	GEM 4499	2		
AREA IV SS COURSE	3	GEM 4490	1		
FREE ELEC	1	AREA IV SS COURSE	3		
FREE ELEC	2	AREA IV HIS COURSE	3		
		FREE ELEC	2		
TOTAL	14	TOTAL	15		
REMEMBER TO FILE YOUR INTENT TO GRADUATE			MINIMUM HOURS REQUIRED FOR DEGREE 120		

**COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
GEOMATICS PROGRAM – PROGRAM YEAR 2015-16**

COMPLETE ALL 6 SUB-REQUIREMENTS (56 HOURS)

A. AREA I: (6 HOURS)

TAKE THE FOLLOWING COURSES:

MINIMUM GRADE OF "C" REQUIRED

ENG-1101 COMP AND MODERN ENGLISH I 3 HOURS

ENG-1102 COMP AND MODERN ENGLISH II 3 HOURS

B. AREA II: (12 HOURS)

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, PHILOSOPHY, CLASSICS, THEATRE, MUSIC, DANCE, COMMUNICATION, SIGN LANGUAGE, INTERDISCIPLINARY STUDIES, OR OTHER HUMANITIES/ FINE ARTS AREAS. 3 HOURS

C. AREA III: (8 HOURS)

TAKE MTH 1125 CALCULUS I ("C" OR BETTER) 4 HOURS

TAKE PHY 2252/L252 GENERAL PHYSICS I W/LAB 4 HOURS
OR

PHY 2262/L262 PHYSICS I WITH CALCULUS W/LAB 4 HOURS

D. AREA IV: (12 HOURS)

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: 9 HOURS

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.

E. AREA V: (18 HOURS)

TAKE THE FOLLOWING COURSES:

TROY 1101 UNIVERSITY ORIENTATION 1 HOUR

IS 2241 COMPUTER CONCEPTS & APPLICATIONS 3 HOURS

CS 2250 COMPUTER SCIENCE I 3 HOURS

MTH 2210 APPLIED STATISTICS 3 HOURS

MTH 1126 CALCULUS II 4 HOURS

COMPLETE THE PHYSICS SEQUENCE BEGUN IN AREA III:

TAKE PHY 2253/L253 GENERAL PHYSICS I W/LAB 4 HOURS

OR

PHY 2263/L263 PHYSICS I WITH CALCULUS W/LAB 4 HOURS

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 50% OF REQUIRED COURSEWORK MUST BE EARNED AT A SENIOR INSTITUTION.

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 & SCIENCES OR CURRENT CATALOG FOR OTHER REQUIREMENTS NOT COVERED IN THIS DOCUMENT.

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

**COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
GEOMATICS PROGRAM – PROGRAM YEAR 2015-16**

SURVEYING AND GEOMATICS SCIENCE PROGRAM

(57 HOURS)

MINIMUM 2.0 OVERALL GPA REQUIRED

TAKE THE FOLLOWING COURSES:

GEM 1100/L110	COMPUTER-AIDED DRAFTING/LAB	2/2 HOURS
GEM 2220/L220	BASICS CARTOGRAPHY/SURVEYING/LAB	4 HOURS
GEM 3309/L309	LAND SURVEY PRINCIPLES	4 HOURS
GEM 3310/L310	LAND SURVEY PRACTICE/LAB	4 HOURS
GEM 3330/L330	ADVANCED MEASUREMENT ANALYSIS/LAB	4 HOURS
GEM 3366/L366	PHOTOGRAMMETRY & REMOTE SENSING/LAB	4 HOURS
GEM 3379/L379	INTRODUCTION LEAST SQUARE ADJUSTMENT/LAB	4 HOURS
GEM 3390/L390	INTRODUCTION TO GIS/LAB	4 HOURS
GEM 3391/L391	APPLICATION OF GIS/LAB	4 HOURS
GEM 4405/L405	ROUTE & CONSTRUCTION SURVEY/LAB	4 HOURS
GEM 4407/L407	LAND DEVELOPMENT/LAB	4 HOURS
GEM 4408/L408	GEODESY & GEODETICS/LAB	4 HOURS
GEM 4409/L409	HYDROLOGY/LAB	4 HOURS
GEM 4410/L410	INTRODUCTION GLOBAL POSITIONS/LAB	4 HOURS
GEM 4490	GEOMATICS CAPSTONE	1 HOUR

TAKE AN ADDITIONAL 2 HOURS FROM THE FOLLOWING:

(2 HOURS)

GEM 4499	GEOMATICS/GIS PROJECTS	2 HOURS
	OR	
GEM 3395	COOPERATIVE WORK EXPERIENCE I	1 HOUR
	AND	
GEM 4496	COOPERATIVE WORK EXPERIENCE II	1 HOUR

FREE ELECTIVES REQUIREMENT

(5 HOURS)

TAKE 5 SEMESTER HOURS OF FREE ELECTIVE CREDIT.

5 HOURS