

Plan of Study for B.S. Degree in ESA

Name:		ID#		Grad Term:		First Term Enrolled:	
Prior Degrees:			Date(s) Received:		Institution(s):		
Advisor's Name (printed)					Date:		
Course		Hours	Grade	Course		Hours	Grade
Area A1: Communication Skills		6		Required Upper Level GISC		25	
ENGL 1101		3		GISC 2337K - Math. Methods for Geospatial Sci & Tech		3	
ENGL 1102		3		ENVE 2771K - Graphics & Info. Visualization		4	
Area A2: MATH 1111 or higher		3		ESCI 3001K - Land Use and Conservation		3	
		3		GISC 3011K - Cartography		3	
MATH 1450 Suggested				GISC 3012K - Global Navigation Satellite Systems		3	
Area B: Institutional Options		7		GISC 3200K - Python Programming		3	
		4		GISC 4011K - Data Acquisition		3	
		3		GISC 4350K - Remote Sensing		3	
				GISC 4470K - Spatial Analysis		3	
Area C: Humanities/Fine Arts		6		Directed Electives:		15	
		3		Please see an advisor.			
		3		Select additional 3000/4000 level courses from			
Area D: Science/Math/Tech.		11		ENVE, ENST, ESCI, GEOG, GEOL, GISC and SCTS			
Science Lab Course 1		3/1					
Science Lab Course 2		3/1					
GISC 2011/L Suggested		2/1		Minor at least 15 hours (see Minor advisor)			
				Minor Optional			
Area E: Social Sciences		9					
POLS 1101, HIST 2111 OR HIST 2112		3					
PSYC 1101, SOCI 1101, ANTH 1102, ECON 2105		3					
ENST 2030, GEOG 1101 OR 1102 HIST 1111 OR 2111 OR 2112 POLS 1101 OR 2301 OR 2401		3					
Area F: Courses Appropriate to the Major		18		Free Electives - To Bring Total Credits to 120 Hours			
ENVE 1103 - Introduction to Environmental Professions		3					
GISC 2021K - Geospatial Science & Technology 1		4					
GISC 2022K - Geospatial Science & Technology 2		4					
ENVE 2221K-Surveying I or ESCI 2221K- Env. Sci. I		4					
Select 3 credit hrs. from Area F Elective List							
		3					
Notes: 39 credit hours of 3000 or 4000 level courses are required.							
• GISC 2011/L and ENST 2030 should be completed in the core curriculum or as electives.							

Signature: Advisor

Date:

Signature of MINOR advisor

Date:

Signature: Director of IESA, Dr. Jeff Turk

Date

Student Signature

Date:

Elective List AREA F

GISC 2011/L - Intro. to GIS

GISC 2337K - Mathematical Methods for Geospatial Science and Technology

BIOL 1102/L - Introduction to Ecology

CHEM 2734/L - Analytical Chemistry

ENST 2030 - Environmental Studies

ESCI 2221K - Fundamentals of Environmental Science 1

ESCI 2222K - Fundamentals of Environmental Science 2

GEOG 1101 - Introduction to Human Geography

GEOG 1102 - World Regional Geography

GEOG 1111K - Physical Geography

GEOG 1112/L - Introduction to Weather and Climate

GEOG/GEOL 1113K - Introduction to Oceanography

GEOL 1121K - Physical Geology

GEOL 1122K - Historical Geology

MATH 1450 - Calculus I

MATH 2400 - Statistics

MATH 2460 - Calculus 2

SCTS 2200 - Introduction to Space Studies

Or other elective approved by advisor