

Plan of Study for B.S. Degree in ESA

Name: _____ ID# _____ Grad Term: _____ First Term Enrolled: _____
 Prior Degrees: _____ Date(s) Received: _____ ce Required Upper Level GIS: _____

ENGL 1101				
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, GIS 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			

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