

# 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 GISC \_\_\_\_\_

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		

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