



DEGREE WORKSHEET FOR:
BA Environmental and Sustainability Studies and
Minor in Geographic Information Science (GIS)
2018-2019 Catalog - Degree Requirements – 120 credits

YEAR 1 - FALL (16 credits)		YEAR 1 - SPRING (15 credits)	
ENST 100 Intro to Environmental Studies	3 credits	SCI 291 Scientific Writing (LAC-Area 1B)	3 credits
MATH 124 College Algebra (or equivalent)*	4 credits	GEOG 210 Intro to GIS and GPS (LAC Elective)	3 credits
ENST Social or Physical Category	3 credits	STAT 150 Intro to Stat Analysis (LAC Area 2)	3 credits
ENG 122 College Composition	3 credits	University Elective	3 credits
University Electives	3 credits	Liberal Arts Core: Area 3 Arts and Humanities	3 credits
* If a student gets a status of LAC Area 2 Mathematics exempt by ACT/SAT, then MATH 124 College Algebra will be waived.		<i>Consider: Intro level LAC class for potential minor programs</i> Students often minor in fields such as GIS, political science, earth science, and communication. This allows for the application of sustainability context within a specific skill set or discipline	
YEAR 2 - FALL (16 credits)		YEAR 2 -SPRING (15 credits)	
ENST 265 Conservation of Natural Resources	3 credits	GEOG 302 Cartography	3 credits
ENST Social or Physical Category	3 credits	ENST Social or Physical Category	3 credits
GEOG 307 Geographic Information Science	3 credits	University Electives	3 credits
ENST Social or Physical Category	3 credits	Liberal Arts Core: Area 4 History	3 credits
Liberal Arts Core: Area 6 Science w/lab	4 credits	Liberal Arts Core: Area 7 or 8	3 credits
<i>Consider: ENST Applied Category Requirement</i> ENST requires a directed study, internship, or applied course. There are frequent opportunities during summers that would be appropriate between sophomore / junior or junior / senior years.		<i>Consider: LAC Double Counting</i> Classes in Area 5 with a [7] or [8] designation will also fulfill Area 7 or Area 8 requirements. Taking double counted courses can free space to complete a minor within 4 years with advisor approval.	
YEAR 3 - FALL 15 credits)		YEAR 3 - SPRING (15 credits)	
GIS Elective Course	3 credits	ENST 315 Nature and Society	3 credits
ENST Social or Physical Category	3 credits	ENST Social or Physical Category	3 credits
ENST Social or Physical Category	3 credits	GIS Elective Course	3 credits
ENST Social or Physical Category	3 credits	Additional LAC Area 3 or Area 5	3 credits
Liberal Arts Core: Area 7 or 8	3 credits	Liberal Arts Core: Area 3 Arts and Humanities	3 credits
YEAR 4 - FALL (15 credits)		YEAR 4 - SPRING (13 credits)	
GIS Elective Course	3 credits	ENST 405 Senior Seminar	3 credits
University Electives	3 credits	University Electives	3 credits
University Electives	3 credits	University Electives	3 credits
University Electives	3 credits	University Electives (e.g. 3+1)	4 credits
University Electives	3 credits		

Admission Requirement – No separate admission requirement.

This worksheet is one possible recommended plan to complete your bachelor’s degree in 4 years. Every UNC student must meet the following requirements in order to graduate with a bachelor’s degree: earn a minimum of 120 semester credit hours; possess a minimum of a 2.00 cumulative grade point average; have at least 40 credit hours in courses designated as Liberal Arts Core; meet all degree requirements in the student’s major field of study. Each major and/or emphasis may have additional requirements necessary for graduation. **Students must consult with their major advisor to receive information on any additional graduation requirements.**

ENST Contact**Dr. Chelsie Romulo, 351-1565, Michener L100****Web Page: <https://www.unco.edu/hss/geography-gis-sustainability/faculty-staff/romulo-chelsie.aspx>****GIS Contact****Dr. Jessica Salo, 351-2777, Candelaria 2088****Web Page: <https://www.unco.edu/hss/geography-gis-sustainability/faculty-staff/jessica-salo.aspx>****CONSIDERATIONS FOR THE MAJOR AND MINOR**

Under Catalog 2018-2019 the GIS class GEOG 307 counts as an ENST applied studies course.

The GIS minor is divided into two groups. Students shall choose 2 courses (6 credits) in the first category and 4 courses in second category (for 12 credits). Courses cannot be used to count for both categories

<i>Choose 2 of the following</i>	<i>Choose 4 courses from the following</i>
GEOG 210 Introduction to GIS and GPS	CS 101 Introduction to Computer Science
GEOG 302 Cartography	GEOG 302 Cartography
GEOG 307 Geographic Information Science	GEOG 307 Geographic Information Science
	GEOG 327 Fundamentals of Geospatial Programming
	GEOG 375 Quantitative Techniques in Geography
	GEOG 412 Web Mapping
	GEOG 449 Remote Sensing of the Environment
	GEOG 485 Advanced Geographic Technique: Topics

OTHER WAYS TO GET INVOLVED IN NON-ACADEMIC ENVIRONMENTAL RELATED PROGRAMS ON CAMPUS:***UNC Earth and Environmental Network***

This network is a way for students to connect with and understand our environmental programs at UNC. To that end, we've launched a series of social media and networking pages and encourage you to join and add your environmental major and minor colleagues. We'll be posting jobs, internships, workshops, events, and information that we think you may find interesting. We also encourage you to ask questions and provide feedback to each other as you navigate your academic and professional careers.

Linked In: <https://www.linkedin.com/company/unc-earth-and-environmental-network/>Facebook: <https://www.facebook.com/UNCEarthEnviro/>

Twitter: @UNCEarthEnviro

Instagram: @UNCEarthEnviro