

**DEGREE WORKSHEET FOR:**

**BA Environmental and Sustainability Studies**

**with Minor in Biology**

**2021-2022 Catalog** - **Degree Requirements – 120 credits**

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| **YEAR 1 - FALL (16 credits)** | | **YEAR 1 - SPRING (16 credits)** | |
| ENST 100 Intro to Environmental Studies (LAC6) | 3 credits | SCI 291 Scientific Writing (LAC1B) | 3 credits |
| BIO 110 Biology: Atoms to Cells | 4 Credits | STAT 150 Intro to Stat Analysis (LAC Area 2) | 3 credits |
| Liberal Arts Core: Area 3 Arts and Humanities | 3 credits | GEOG 210 Intro to GIS and GPS (LAC Elective) | 3 credits |
| ENG 122 College Composition (LAC 1a) | 3 credits | BIO 111 or Earth Sciences Elective (LAC6 with Lab) | 4 credits |
| University -Wide Elective Credits | 3 credits | Liberal Arts Core: Area 5 Social & Behavioral Sciences | 3 credits |
| *Consider: UNIV 101* <http://www.unco.edu/university-101/>  Designed to help freshman successfully navigate their first semester. Each course is small, highly interactive with an interdisciplinary focus on reading, writing, critical thinking, and communication skills. | | *Consider: Intro level LAC class for potential minor programs\**  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 (15-16 credits)** | |
| ENST 265 Conservation of Natural Resources | 3 credits | ENST 209 International Sustainable Develop. | 3 credits |
| ENST 205 Environment, Politics & Law | 3 credits | BIO 200 or higher elective | 3-4 credits |
| ENST 270 Professional Development | 3 credits | Liberal Arts Core: Area 4 History | 3 credits |
| BIO 111 or Earth Sciences Elective (LAC6 with Lab) | 4 credits  3 credits | University -Wide Elective Credits | 3 credits |
| University -Wide Elective Credits | 3 credits | University -Wide Elective Credits | 3 credits |
| *Consider: ENST* *Applied Studies & Methods Category Requirement*  Directed studies, internships, or applied courses meet this requirement. There are opportunities during summers that would be appropriate between sophomore / junior or junior / senior years. | | *Consider: LAC MS and IS designations*  All students must take one class each in the [MS] and [IS] designation. Classes with this designation are in Areas 3 (Arts and Humanities), 4 (History), and 5 (Social and Behavioral Sciences). | |
| **YEAR 3 - FALL (15-16 credits)** | | **YEAR 3 - SPRING (15-16 credits)** | |
| ENST 335 Environmental & Resource Economics | 3 credits | ENST 315 Nature and Society | 3 credits |
| Liberal Arts Core: Additional Area 3, 4, or 5 | 3 credits | ENST Elective or Applied Studies & Methods Elective | 3 credits |
| ENST Elective or Applied Studies & Methods Elective | 3 credits | ENST Elective or Applied Studies & Methods Elective | 3 credits |
| BIO 200 or higher elective | 3-4 credits | BIO 300 or higher elective | 3-4 credits |
| University -Wide Elective Credits | 3 credits | University -Wide Elective Credits | 3 credits |
| **YEAR 4 - FALL (14-15 credits)** | | **YEAR 4 - SPRING (12 credits)** | |
| ENST 490 Capstone Proposal | 2 credits | ENST 491 Capstone Project | 2 credits |
| ENST Elective or Applied Studies & Methods Elective | 3 credits | ENST Elective or Applied Studies & Methods Elective | 3 credits |
| ENST Elective or Applied Studies & Methods Elective | 3 credits | ENST Elective or Applied Studies & Methods Elective | 3 credits |
| BIO 300 or higher elective | 3-4 credits | University -Wide Elective Credits | 3 credits |
| University -Wide Elective Credits | 3 credits |  |  |

**Admission Requirement – No separate admission requirement.**

\* Minor -- No Minor Required (\* refer to notes in Year 1 and Year 2 Spring Semester for adding a minor)

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.

Contact Information Environmental & Sustainability Studies

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970-351-1565, CAND 2096

Web Page: <https://www.unco.edu/environmental-sustainability-studies/>

Biology

Dr. Judith Leatherman, [Judith.leatherman@unco.edu](mailto:Judith.leatherman@unco.edu)   
970-351-2453, Ross 2510

Web Page: <https://www.unco.edu/nhs/biology/current-students/advising.aspx>

Notes

1. **If a student gets a status of LAC Area 2 Mathematics exempt by ACT/SAT, then MATH 124 College Algebra will be waived.**

**Considerations for this Major and Minor:**

The ENST major requires all students to take BIO 111 as their LAC6 with lab requirement and the Biology minor also requires BIO 110. These science courses are also prerequisities for upper division courses and students should therefore take BIO 110 and BIO 111 with enough time to complete upper division courses afterward. The courses listed here in the below table automatically qualify for ENST elective credit without advisor approval.

*\* Indicates a course with additional prerequisites to be considered in planning.*

*+ indicates course qualifies for ENST Applied Studies Credit*

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| --- | --- |
| **No Prerequisites** | **BIO 111 is a prerequisite for:** |
| BIO 245 Intro to human Anatomy and physiology | Bio 360 – Ecology |
| BIO 491 Seminar in Biological Sciences (junior or senior status, useful because it is one credit) | Bio 462 – Conservation Biology |
| Bio 329 – Field Botany |
|  | Bio 330 – Plant Systematics |
| Bio 331 – General Entomology |
| Bio 333 – General Parasitology |
| Bio 334 – Mammalogy |
| Bio 335 – Survey of Fishes, Amphibians and Reptiles |
| BIO 336 Animal plant interactions |
| Bio 337 – Morphogenesis of Algae and Fungi |
| Bio 338 – Marine Biology &  Bio 339 – Marine Biology Lab in Belize + |
| Bio 331 – General Entomology |
| **BIO 110 is a prerequisite for:** | Bio 333 – General Parasitology |
| BIO 251 Allied health microbiology | Bio 334 – Mammalogy |
| BIO 341 human anatomy | Bio 335 – Survey of Fishes, Amphibians and Reptiles |
| BIO 466 Animal physiological ecology (BIO 360 and 110 are prerequisites) | BIO 345 Comparative vertebrate morphogenesis |
| Bio 438 – Ornithology |
|  | Bio 362 – Principles of Animal Behavior |
| Bio 362 – Principles of Animal Behavior |
| BIO 411 Field techniques in biology |
| BIO 468 Disturbance ecology |

**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

***Student LEAF***

Founded in 2012, the mission of Student LEAF is to empower students in transforming the campus community to a more sustainable culture. This is achieved through collaborative proposing and evaluation of projects by students, faculty, and staff. Projects include facilities improvements and education initiatives that promote resource efficiency and an environmentally conscious lifestyle. We invite any member of our campus community to join our weekly meetings and participate in project development. In 2015, UNC began contracting with McKinstry, an energy auditing and efficiency company. Student LEAF partners with McKinstry in educational efforts across campus designed to encourage students to observe their energy use and increase energy efficient choices through the People Power Planet dashboard (linked below).

Website: <http://www.unco.edu/student-leaf/>

Facebook: <https://www.facebook.com/studentleaf/>

People Power Planet: <https://peoplepowerplanet.com/highered/unco>

***Earth Guardians***

Earth Guardians is growing a resilient movement with youth at the forefront by empowering them as leaders and amplifying their impact. We invite you to join us in our mission to protect the planet for future generations. No matter how old you are, you can make a difference. UNCO Earth Guardians is a crew that collaborates with UNCO students and Greeley and Ft. Collins residents to raise awareness on environmental issues and actions.

Website: [www.earthguardians.org](http://www.earthguardians.org)

Facebook: <https://www.facebook.com/UNCOearthguardians/>