

**ENVIRONMENTAL SUSTAINABILITY:**

College of Science and Health  
Bachelor of Science: ENVIRONMENTAL SUSTAINABILITY

<p><b>UCC REQUIREMENTS [40-41 credits]</b> <b>AREA 1: PERSONAL WELLBEING [3]</b> _____ 3 cred</p> <p><b>AREA 2: EXPRESSION [9]</b> a. Arts/Communication <u>COMM 100 Communication in Action</u> 3 cred.</p> <p>b. Writing <u>ENG 1100 College Writing</u> 3 cred</p> <p>c. Literature _____ 3 cred</p> <p><b>AREA 3: WAYS OF KNOWING [19-20]</b> a. Philosophical Perspectives 3 cred _____ 3 cred</p> <p>b. Historical Perspectives 3 cred _____ 3 cred</p> <p>c. Social/Behavioral Science (2 different disciplines) _____ 3 cred _____ 3 cred</p> <p>d. Scientific Perspectives (choose 1 of the following) <u>CHEM 1600 General Chemistry</u> 4 cred</p> <p>e. Quantitative Thinking <u>MATH 2300 Statistics</u> 3 cred</p> <p><b>AREA 4: DIVERSITY &amp; JUSTICE [3]</b> • Must complete 18 credits in UCC prior to taking Area 4 _____ 3 cred</p>	<p><b>AREA 5: CIVIC &amp; COMMUNITY ENGAGEMENT [3]</b> <u>4800 Senior Practicum</u> 3 cred</p> <p><b>AREA 6: GLOBAL AWARENESS [4]</b> • Must complete area 4 before area 5 &amp; 6 <u>ENV 3170 Global Climate Change</u> 4 cred</p> <p><b>FIRST YEAR SEMINAR [1.5]</b> • Required for 1<sup>st</sup> year students &amp; transfer w/ less than 12 cred _____ 1.5 cred</p> <p><b><u>INTENSIVE REQUIREMENTS [18]</u></b> These courses can be double counted within the UCC, the major, or as free electives. If you are a transfer with an AA/AS degree you must take one WI course and zero TI courses.</p> <p><b>WRITING INTENSIVE (WI) [12]</b> • The first WI course must be Area 2 College Writing • At least one course must be at the 300 or above level <u>ENG 1100 College Writing</u> 3 cred <u>ENV3800 Junior Seminar</u> 3 cred <u>ENV4800 Senior Practicum</u> 3 cred _____ 3 cred</p> <p><b>Technology Intensive (TI) [6]</b> <u>ENV 3170 Global Climate Change</u> 3 cred _____ 3 cred</p> <p><b>UNIVERSITY REQUIREMENTS [6]</b> Foreign Language [6] _____ 3 cred _____ 3 cred</p>
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**Major Requirements [65 credits]**

**CORE COURSES [30 cred]**

- ENV 1100 Environmental Sustainability
- ENV 1150 General Geology
- ENV 3010 Field Experience
- ENV 3170 Global Climate Change TI (*meets Area 6 and TI*)
- ENV 3500 Energy and Sustainable Technology
- ENV 3600 Ecosystem Sustainability
- ENV 3800 Junior Seminar
- ENV 4700 Hydrology and the Environment
- ENV 4800 Senior Practicum

**MAJOR CO-REQUIREMENTS [16 cred]**

- BIO 1630 General Biology I
- CHEM 1620 General Chemistry II
- PHYS 2550 College Physics I

**MAJOR ENVIRONMENTAL ELECTIVES [9-10 cred]**

- ENV 2170 Oceanography
- ENV 2500 Meteorology
- ENV 3990 Selected Topics
- ENV 3200 Geochemistry

- ENV 3750 Soils in the Environment
- GEO 4030 Geographic Information Systems (*meets TI*)
- GEO 3030 Remote Sensing
- CHEM 2570 Organic Chemistry I
- CHEM 2580 Organic Chemistry II
- BIO 3450 Conservation Biology
- BIO 3610 General Botany
- BIO 3180 Zoology

**MAJOR SOCIAL AND POLICY ELECTIVE [9 cred]**

- ENV 3890 Environmental factors in Land Use
- ENV 3400 Environmental Law
- ENV 4230 Pollution, Hazards, Impacts and Risks
- PBHL 3400 Environmental Public Health
- PBHL 3150 Food and Community
- ECON 2300 Economics of the Environment
- POL 3550 Politics of the Environment
- PHIL 3350 Environmental Ethics

**SUGGESTED SEQUENCE OF COURSES:**

1st semester		Credits	2nd semester		Credits
ENV 1100	Environmental Sustainability (meets Area 3d)	4	ENV 1150	General Geology	4
BIO 1630	General Biology I	4	-----	Foreign Language I	3
ENG 1100	College Writing (meets Area 2b)	3	-----	Area 1, 2, or 3 Course	4
-----	Area 1, 2, or 3 course	3	COMM 1100	Comm. In Action (meets Area 2a)	3
WPU 1010	First Year Seminar	1.5			
Credits		15.5	Credits		14
3rd semester			4th semester		
CHEM 1600	General Chemistry I (lecture & lab)	4	CHEM 1620	General Chemistry II (lecture & lab)	4
PHYS 2550	College Physics I	4	ENV 3890	ENV. Sustainability Elective	3
MATH 2300	Statistics	4	-----	Area 1, 2, or 3 course	3
-----	Area 1, 2, or 3 course	3	-----	Area 1, 2, or 3 course	3
Credits		15	Credits		13
5th semester (Junior year)			6th semester (Junior year)		
ENV 4700	Hydrology and the Environment	3	ENV 3800	Junior Seminar	3
ENV 3500	Energy and Sustainable Technology	3	ENV 3010	Field Experience	3
-----	ENV. Sustainability Elective	3-4	-----	Social/Policy Elective	3
-----	Area 1, 2, or 3 course	3	ENV	ENV. Sustainability Elective	3
-----	Foreign Language II	3	-----	Area 4 course	3
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Credits		15-16	Credits		15
7th semester (Senior year)			8th semester (Senior year)		
ENV 3010	Field Experience	3	ENV 3600	Ecosystem Sustainability	3
ENV 3170	Global Climate Change (meets area 6 & TI)	4	-----	Social/Policy Elective	3
ENV 4800	Senior Practicum (meets area 5)	3	-----	Free Elect., TI, WI, or recommended course	3
-----	Social/Policy Elective	3	-----	Free Elect., TI, WI, or recommended course	3
-----	Free Elect., TI, WI, or recommended course	3	-----	Free Elect., TI, WI, or recommended course	3
Credits		16	Credits		15

**ADDITIONAL RECOMMENDATIONS**

- Students interested in a four-year course of study may also elect to take several courses during the Pre-Session and Summer Sessions to reduce the load during regular fall and spring semesters.
- The University Core Curriculum requires that students take 4 Writing Intensive and 2 Technology Intensive Courses. Environmental Science majors should, if possible, take courses within the major or co-requirements that are designated as either Writing or Technology Intensive
- Recommended minors for the Sustainability program include Business Administration, Economics, Geography and Urban Studies, and Public Health

