

ENVIRONMENTAL SUSTAINABILITY: WATER SUSTAINABILITY

College of Science and Health

Bachelor of Science; ENVIRONMENTAL SUSTAINABILITY: WATER SUSTAINABILITY

Incoming students Fall 2011 (UCC)

UCC REQUIREMENTS [40-41 credits]

AREA 1: PERSONAL WELLBEING [3]

_____ 3 cred.

AREA 2: EXPRESSION [9]

a. Arts/Communication

COMM 1100 Communication in Action 3 cred.

b. Writing

ENG 1100 College Writing 3 cred.

c. Literature

_____ 3 cred.

AREA 3: WAYS OF KNOWING [19-20]

a. Philosophical Perspectives

_____ 3 cred.

b. Historical Perspectives

_____ 3 cred.

c. Social/Behavioral Science (2 different disciplines)

_____ 3 cred.

_____ 3 cred.

d. Scientific Perspectives (choose 1 of the following)

Bio 1630 or Chem 1600 4 cred.

e. Quantitative Thinking

_____ 3 cred.

AREA 4: DIVERSITY & JUSTICE [3]

- *Must complete 18 credits in UCC prior to taking Area 4*

_____ 3 cred.

AREA 5: CIVIC & COMMUNITY ENGAGEMENT [3]

- *MUST COMPLETE Area 4 before taking Areas 5&6*
- _____ 3cred.

AREA 6: GLOBAL AWARENESS [3]

- *MUST COMPLETE Area 4 before taking Areas 5&6*
- ENV 3160 Global Climate Change 3cred.

FIRST YEAR SEMINAR [1.5]

- *Required for 1st year students & transfers with less than 12 credits*

_____ 1.5 cred.

INTENSIVE REQUIREMENTS

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.

WRITING INTENSIVE (WI) *W

- *The first WI course must be Area 2 College Writing*

- *At least one course must be at the 300 or above level*

ENG 1100 College Writing 3 cred.

_____ 3 cred.

_____ 3 cred.

_____ 3 cred.

TECHNOLOGY INTENSIVE (TI) *T

ENV 3160 Global Climate Change 3 cred.

_____ 3 cred.

UNIVERSITY REQUIREMENTS

FOREIGN LANGUAGE [6]

_____ 3 cred.

_____ 3 cred.

CORE COURSES [29 cred.]

- ENV 1100 Environmental Sustainability*(meets Area 3)
- ENV 1150 General Geology
- ENV 3010 Field Experience
- ENV 3160 Global Climate Change*^T* (meets Area 6)
- ENV 3200 Geochemistry
- ENV 3800 Junior Seminar
- ENV 4700 Hydrogeology
- ENV 4xxx Water Resource Management
- ENV 4800 Senior Practicum

MAJOR CO-REQUIREMENTS [20 cred.]

- BIO 1630/1640 General Biology I & II
- CHEM 1600/1610 General Chemistry I & II
- MATH 2300 Statistics

MAJOR SUSTAINABILITY ELECTIVES [6-7 cred.]

- ENV 2160 Oceanography
- ENV 2500 Meteorology
- ENV 3890 Environmental factors in Land Use
- ENV 4500 Environmental Computer Applications
- ENV 3990 Selected Topics
- GEO 4030 Geographic Information Systems

MAJOR POLICY ELECTIVES [6 cred.]

- ENV 3400 Environmental Law
- ECON 2300 Economics of the Environment
- POL 3550 Politics of the Environment

SUGGESTED SEQUENCE OF COURSES

1st semester		Credits	2nd semester		Credits
ENV 1100	Environmental Sustainability <i>(meets Area 3d)</i>	4	ENV 1150	General Geology	4
BIO 1630	General Biology I	4	BIO 1640	General Biology II	4
ENG 1100	College Writing <i>(meets Area 2b)</i>	3	-----	Area 1, 2, or 3 course	3
-----	Area 1, 2, or 3 course	3	COMM 1100	Comm. In Action <i>(meets Area 2a)</i>	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 1610	General Chemistry II (lecture & lab)	4
ENV	ENV. Sustainability Elective	3-4	ENV 3200	Geochemistry	3
MATH 2300	Statistics	4	ENV	ENV. Sustainability Elective	3-4
-----	Area 1, 2, or 3 course	3	-----	Area 1, 2, or 3 course	3
Credits		14-15	Credits		13-14
5th semester (Junior year)			6th semester (Junior year)		
ENV 4700	Hydrogeology	3	ENV 3800	Junior Seminar	3
ENV 3400	Environmental Law	3	ENV 4xxx	Water Resource Management	3
ENV	ENV. Sustainability Elective	3-4	ENV	ENV. Policy Elective	3
-----	Area 1, 2, or 3 course	3	-----	Area 1, 2, or 3 course	3
-----	Foreign Language I	3	-----	Foreign Language II	3
			-----	Area 4 course	3
Credits		15-16	Credits		18
7th semester (Senior year)			8th semester (Senior year)		
ENV 3010	Field Experience	3	ENV 4800	Senior Practicum	3
ENV 3160	Global Climate Change <i>(meets area 6 & TI)</i>	3	-----	Free Elect., TI, WI, or recommended course	3
-----	Area 5 Course	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
-----	Free Elect., TI, WI, or recommended course	3	-----	Free Elect., TI, WI, or recommended course	3
Credits		15	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.