

B.S. Environmental Science & Sustainability – Geospatial

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.

First Year

Fall

Course	Prerequisite	Credit
FW1050 – Natural Resource Professional (<i>Essential Education: Seminar</i>)		2
FW2051 – Field Techniques		2
FW2060 – Fundamentals of Env Sustainability		3
BL1100 – General Biology I (<i>Essential Education: Science</i>)		3
MA1135 – Calculus for Life Sciences (<i>Essential Education: Math</i>)	MA1030 or higher or placement	4
UN1015 – Composition (<i>Essential Education</i>)		3
Total		17

Spring

Course	Prerequisite	Credit
BL1200 – General Biology II		3
CH1150 – University Chemistry I (<i>Essential Education: STEM</i>)	Math Placement	3
CH1151 – University Chemistry I lab	CH1150 (C)	1
MA2720 – Statistical Methods	MA1030 or higher or placement	4
<i>Essential Education: Foundations in the Human World</i>		3
<i>Essential Education: Activities</i>		1
Total		15

Second Year

Fall

Course	Prerequisite	Credit
FW3020 – Forest Ecology	FW2010 (C), FW2051 (C)	3
FW3330 – Soil Science (<i>Essential Education: STEM</i>)	CH1150/51	4
PH1110 – College Physics I	MA1031 or higher or placement	3
PH1111 – College Physics I lab	PH1110 (C)	
SS2300 – Environment & Society		3
<i>Essential Education: SHAPE</i>		3
Total		16

Spring

Course	Prerequisite	Credit
FW2081 – Intro to Circular Economy		3
FW3540 – Intro to GIS	MA2720 (C)	4
PH1210 – College Physics II	PH1110	3
PH1200 – Physics by Inquiry II	PH1111	1
<i>Essential Education: Arts & Culture</i>		3
Total		14

Third Year

Fall

Course	Prerequisite	Credit
FW4180 – Ethics of Conservation		2
SS4313 – Sustainability Science		3
Free Elective		3
<i>Essential Education: Intercultural Competency</i>		3
<i>Essential Education: Communication Intensive</i>		3
<i>Essential Education: Activities</i>		1
Total		15

Spring

Course	Prerequisite	Credit
FW3110 – Natural Resource Policy		3
FW4710 – Environmental Biogeochemistry	CH1150	3
BL3310 – Environmental Microbiology	BL1200	3
FW4545 – Map Design w/ GIS	FW3540	2
<i>Essential Education: Essential Ed Experience</i>		3
<i>Essential Education: Activities</i>		1
Total		16

Fourth Year

Fall

Course	Prerequisite	Credit
FW3760 – Human Dimensions of Natural Resources		3
FW4540 – Remote Sensing of the Env		3
FW4542 – Remote Sensing lab		1
FW4554 – GPS Field Techniques		2
Free Electives		6
Total		15

Spring

Course	Prerequisite	Credit
FW4111 – Indigenous Nat Res Mgmt		3
FW4860 – Env Sci Capstone		3
FW4380 – Landscape Ecology & Planning	MA2720	3
Free Elective		6
Total		15

Grand Total = 120 Credits

NOTE:**Prerequisite courses:**

- The prerequisite course must be successfully completed PRIOR to taking the subsequent course. Concurrent Prerequisites ~ (C) ~ may be taken at the same time, although it is not necessary if the prerequisite course is completed first. Required Corequisite courses that MUST be taken together in the same semester. See your academic advisor for questions.

Essential Education Requirements:

- 24 total credits. Required courses are UN1015-Composition (3 credits), a Foundations in the Human World course (3 credits), a Communication Intensive course (3 credits), an Arts & Culture course (3 credits), an Intercultural Competency (3000+) course (3 credits), a SHAPE course (3 credits), an Essential Education Experience (3000+) course (3 credits), and 3 credits of Activities for Wellbeing and Success. Activities for Well-being and Success: Mainly physical education courses with some additions. Three credits are required for graduation. These credits will be included as earned hours and may be used to determine full-time enrollment status