

Updated: 7/27/2018  
 Bachelor of Science

Name \_\_\_\_\_

Environmental and Sustainability Studies (Environmental  
 Science Concentration/ Natural Resources Option)

ID # \_\_\_\_\_

ESS/SCI/NatRes (120 hours)

ESS Core (35-36 hrs)			HRS	Grade	Enrolled
1100	ESS	Intro to Environmental Studies	3		
1020	ESS	Connections to the Environment and Sustainability Studies	1		
1045	GEOL	Earth Environment, Resources and Society	4		
3120/3130	BIOL	General Ecology (with or without lab)	3 or 4		
3710 or 4710	ESS or CHEM	Chemistry and the Environment	3		
3000	ESS	Intro to Environmental Law	3		
3900	HIST	Environmental History	3		
3070	MATH	Statistical Methods I	3		
3600	SOC	Environmental Sociology	3		
4120	AGBE	Natural Resource Economics	3		
4001	ESS	Capstone Experience Part I	3		
4002	ESS	Capstone Experience Part II	3		
<b>Environmental Science Concentration REQUIRED (11 hrs)</b>					
2300 & 2310	AGRN	Soils & Soil Chemical Properties	3 and 1		
3200	GEOL/GE	Water Resources	3		
2010	PHYS	Algebra-Based Physics	4		

Natural Resources Option Core (16-17 hrs)			HRS	Grade	Enrolled
3230	AGRN	Environmental Soil Science	4		
2010	AGBE	World Food and Society	3		
1 from the first approved list					
2 from the second approved list					

English (9 hours)			HRS	Grade	Enrolled
1010	ENGL	English Composition I	3		
1020	ENGL	English Composition II	3		
2130, 2230, or 2330	ENGL	Sophomore Literature	3		
<b>Science (8 hours)</b>					
1010 or 1110	CHEM	Intro to Chemistry I or General Chemistry I	4		
1020	BIOL	Diversity of Life	4		
<b>Mathematics (3 hours)</b>					
1130 or 1830 or 1910	MATH	College Algebra or Applied Calculus or Calculus I	3 or 4		
<b>Social/Behavioral Science Electives (6 hrs)</b>					
1010	SOC	Intro to Sociology	3		
2010	ECON	Principals of Microeconomics	3		
<b>History (6 hours)</b>					
2010	HIST	Early United States History	3		
2020	HIST	Modern United States History	3		
<b>Humanities/Fine Arts (6 hours)</b>					
1030	PHIL	Intro to Philosophy	3		
From approved list- 1 course			3		

Communication (3 hours)			HRS	Grade	Enrolled
2025 or 2500	COMM or PC	Fundamentals of Comm. Or Communication in the Professions	3		
<b>Free Electives to total 120 hours (8-11 hrs)</b>					



<b>Directed Electives (6 hrs)</b>				
From Approved List - Two (2) Courses				

**Natural Resource Option List 1**

Choose one of the following:

- AGRN 4210 Soil Fertility and Fertilizers (3)
- AGRN 4220 Environmental Soil Chemistry (3)
- BIOL 4840 Limnology (3)
- GEOL 4150 Geomorphology (4)

**Directed Electives (6 hours)**

Choose two of the following:

- BIOL 4330 Plant Ecology (3)
- BIOL 4840 Limnology (3)
- GEOL 2000 Earth Evolution and Life History (3)
- WFS 4730 Conservation Biology (3)
- GEOG 4510 Theory of GIS I (3)
- GEOG 4650 Environmental Apps of GIS (3)

**Natural Resource Option List 2**

Choose two of the following:

- AGBE Agricultural Policy (3)
- AGET 3110 & AGET 3115 Natural Resource Systems and Lat
- AGET 4720 Agriculture Processing (3)