

Name _____

ESS/TECH/PollContr (120 hours)

ID # _____

ESS Core (35-36 hrs)			HRS	Grade	Enrolled
1100	ESS	Intro to Environmental Studies	3		
1020	ESS	Connections to Environment and Sustainability Studies	1		
1045	GEOG	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 I	3		
4002	ESS	Capstone Experience II	3		

English (9 hours)			HRS	Grade	Enrolled
1010	ENGL	English Composition I	3		
1020	ENGL	English Composition II	3		
2130 or 2230 or 2330	ENGL	Sophomore Literature	3		
Science (8 hours)					
1110	CHEM	General Chemistry I	4		
1020	BIOL	Diversity of Life	4		
Mathematics (3 hours)					
1910	MATH	Calculus I	4		
Social/Behavioral Science Electives (6 hours)					
1010	SOC	Introduction to Sociology	3		
2010	ECON	Principals of Microeconomics	3		

Environmental Technology Concentration REQUIRED (16 hours)					
1910	MATH	Calculus I (satisfies both common gen ed, core and concentration core)	4		
1920	MATH	Calculus II	4		
1110	CHEM	General Chemistry I (satisfies both common gen ed core and concentration core)	4		
1120	CHEM	General Chemistry II	4		

History (6 hours)					
2010	HIST	Early United States History	3		
2020	HIST	Modern United States History	3		

Pollution Control Option (13 hours)					
3413	CEE	Environmental Engineering	3		
2010 or 2110	PHYS	Algebra-based Physics or Calculus-based Physics	4		
4510	GEOG	Theory of GIS I	3		
4650	GEOG	Environmental Apps of GIS	3		

Humanities/Fine Arts (6 hours)					
From Approved List 1 course					
			3		
1030	PHIL	Introduction to Philosophy	3		

Directed Electives (12-13 hours)					
Choose 4 from the approved list					

Speech (3 hours)					
2025 or 2500	COMM or PC	Communication or Communication in the Professions	3		

Free Electives (12-13 hours)					

Directed Electives (12 to 13 hours)

Choose four of the following:

AGET 3510 Agricultural Surveying (3)
AGET 3620 Computer Aided Design in Agriculture (3)
AGET 2110 Engineering Technology in Agriculture and Lab (3)
BIOL 4130 Environmental Microbiology (3)
BIOL 4840 Limnology (3)
CEE 4410 Solid and Hazardous Waste Management (3)
CEE 4430 Water and Wastewater Engineering (3)
CEE 4450 Water Quality Modeling (3)
ESIS 4300 Environmental Management Systems (3)
GEOG 1130 Geography of Natural Hazards (3)
GEOG 4511 Theory of GIS II (8)
GEOG 4711 Hydrogeology (3)
PHYS 2010 (or PHYS 2110 & 2111) Physics (4)
WFS 4500 National Wildlife Policy (3)
WFS4730 Conservation Biology (3)