

**Upper Division Form -
Department of Geosciences**

Mentor: _____

Catalog Year: 2019-2020

Instructions: For students graduating in Summer 2019 or later, an original copy signed by advisor, Environmental Science mentor and Department Chair, AND an *Intent to Graduate Form* must be filed in DSB 120 3 semesters prior to anticipated graduation date.

Student Name:		Student ID:		MTSU Box	
Degree Sought:	Bachelor of Science	Phone:			
Major:	Environmental Science	Env. Sci. mentor:			

General Education Requirements (41 hours)	Course	Semester	Grade	Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010				3
	ENGL 1020				3
	COMM 2200				3
HISTORY (6 hours) Choose two of the following: HIST 2010, HIST 2020, HIST 2030					3
					3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose one of the following: ENGL 2020, ENGL 2030, or HUM 2610 Choose two different subjects*: ANTH 2210; ART 1030, ART 1920; DANC 1000; HIST 1010, HIST 1020, HIST 1110, or HIST 1120; HUM 2610; MUS 1030; PHIL 1030; THEA 1030					3
					3
MATHEMATICS (3 hours) Recommend MATH 1530 (3 credit hrs) Choose one: MATH 1010, MATH 1530, MATH 1630, MATH 1710, MATH 17 20, MATH 17 30, MATH 1810, MATH 1910	MATH _____			Note: MATH 1730 or MATH 1910 required in cognate	3
NATURAL SCIENCES (8 hours) Choose two different subjects: ASTR 1030/1031; BIOL 1030/1031, BIOL 1110/1111, BIOL 2010/2011, BIOL 2020/2021; CHEM 1010/1011, CHEM 1030/1031, CHEM 1110/1111; GEOL 1030/1031, GEOL 1040/1041, PGEO 1030, PHYS 1110, PHYS 2010/2011, PHYS 2110/2111; PSCI 1030/1031, PSCI 1130/1131				Note: GEOL 1040/1041 required for major	4
				Note: CHEM 1110/1111, BIOL 1110/1111, and PHYS 2010/2011 may be applied to cognate	4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two different subjects: AAS 2100; ANTH 2010; ECON 2410; ECON 2420; EMC/JOUR/RIM 1020; GEOG 2000; GS 2010; HLTH 1530/1531; PS 1005, PS 1010; PSY 1410; RS 2030; SOC 1010, SOC 2010; WGST 2100					3
					3
* Must be different prefix from choice in first Humanities/Fine Arts category.					41
SUBTOTAL HOURS					41

Courses to be taken to complete Major (29-30 hrs)					
Required Courses	Semester	Grade	Notes		Credit Hours
EST 2810			Introduction to Environmental Science (3 hrs)		3
GEOL 1040/1041			Physical Geology + Lab (4 hrs)		4
GEOL 3030			Geoscience of Energy Resources (3 hrs)		3
GEOL 3060			Computer Methods in Geology (3 hrs)		3
GEOL 3010 OR PGEO 4010			Oceanography (3 hrs) or Biogeography (3 hrs)		3
GEOL 4120 OR GEOL 4130			Environmental Geology (4 hrs) or Hydrogeology (5 hrs)		4-5
PGEO 4000			Climatology and Climate Change (3 hrs)		3
PGEO 4020			Environmental Issues, Impacts, and Sustainability (3 hrs)		3
PGEO 4530			Introduction to Geographic Information Systems (3 hrs)		3
MAJOR REQUIREMENTS CONTINUED ON NEXT PAGE					

*Capstone Experience Courses to be taken to complete Major (6-8 hours) [After earning 90 credit hours toward their Environmental Science program, students must complete a Capstone Experience including at least 6-8 upper-division credit hours from the following courses.]				
Course	Semester	Grade	Notes	Credit Hours
Internship			Choose from BIOL 3200, CSCI 4910, CIM 3300, GEOL 4571, GEOL 4572, PGEO 4571, or PLSO 4680	
Field Course			Choose from GEOL 3401, GEOL 3402, PGEO 3401, ANTH 4950	
Undergraduate Research			Choose from the following research courses: AGRI 4910, BIOL 4280, CHEM 3880, CIM 4200, CSCI 4280, ET 4790, GEOL 4090, PGEO 4280	
*The Capstone Experience must be approved by the Environmental Science faculty mentor.			SUBTOTAL HOURS	35-38

Courses to be taken to complete Math/Science Cognate (20 hours) *Students who take CHEM 1110/1111 or BIOL 1110/1111 or PHYS 2010/2011 for General Education credit must take second course(s) to complete sequence as part of cognate				
Required Courses	Semester	Grade	Notes	Credit Hours
CHEM 1110/1111 <u>OR</u> 1120/1121*			General Chemistry I or II (4 hrs)	4
BIOL 1110/1111 <u>OR</u> 1120/1121*			General Biology I or II (4 hrs)	4
PHYS 2010/2011 <u>OR</u> 2020/2021*			Physics I or II (4 hrs)	4
MATH 1730 <u>OR</u> MATH 1910			Pre-calculus or Calculus I (4 hrs) Note: Grade of C (2.0) or higher req for CSCI 1170; credits can be counted in general education	4
CSCI 1170			Computer Science I (4 hrs)	4
			SUBTOTAL HOURS	20

Environmental Science mentor-approved electives* (21-24 hours) *A minimum of 11-14 hours (depending on Major courses and Capstone Experience) must be taken at 3000-4000 level. Note: mentor-approved electives <u>may not</u> be PGEO or GEOL courses				
Course	Semester	Grade	Notes	Credit Hours
			SUBTOTAL HOURS	21-24

General Electives (0-3 hours)				
Course	Semester	Grade	Notes	Credit Hours

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
2. Learning Support courses count toward the 120-hour requirement and the overall GPA.

APPROVAL SIGNATURES:

Student:	Advisor:	Date: / /
Faculty Mentor:	Department Chair:	Revised: 1.28.2019