

**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, Geosciences mentor and Department Chair, **AND** an *Intent to Graduate Form* must be filed in DSB 120 upon completion of 60 credit hours.

Student Name:		Student ID:		MTSU Box	
Degree Sought:		Phone:			
Major and/or concentration:	Concentration: Geology; Career Path: Earth Science for Teachers		E-mail:		

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) MATH 1010, 1530, 1630, 1710, 1720, 1730, 1810, 1910				*MATH 1720 is required for major	3
NATURAL SCIENCES 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				*CHEM 1010/1011 or CHEM 1110/1111 is required for major	4
				*BIOL 1110/1111 is required for major	4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two different subjects : AAS 2100; ANTH 2010; ECON 2410; ; 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. ** Required to complete Cognate.					41
SUBTOTAL HOURS					41

Courses to be taken to complete Major (32 hours)					
Required Courses	Semester	Grade	Notes		Credit Hours
PGEO 1030			Physical Geography (4 hrs)		4
GEOL 1030/1031 or GEOL 1040/1041			Intro Earth Science + Lab or Physical Geology + Lab (4 hrs)		4
GEOL 1050			Historical Geology (4 hrs)		4
GEOL 3010			Oceanography (3 hrs)		3
GEOL 4020			Geomorphic Regions of the US (4 hrs)		4
GEOL 4050			Meteorology (3 hrs)		3
GEOL 4740			Research Methods (3 hrs)		3
Elective Courses - Choose 7 hours of GEOL or Geosciences mentor-approved Math/Science electives	Semester	Grade	Notes		Credit Hours

SUBTOTAL ELECTIVE HOURS				7
SUBTOTAL MAJOR HOURS				32

Courses to be taken to complete Math/Science Cognate (20 hours)				
Required Courses	Semester	Grade	Notes	Credit Hours
ASTR 1030 / 1031			Exploring Universe	4
BIOL 1110 / 1111			General Biology I w/lab (credits can be counted in General Education)	0*
BIOL 1120 /1121			General Biology II w/lab	4
CHEM 1010 / 1011 or CHEM 1110 /1111			General Chemistry I (credits can be counted in General Education)	0 *
CHEM 1020 / 1021 or CHEM 1120 / 1121			General Chemistry II	4
MATH 1720			Plane Trigonometry (credits can be counted in General Education)	0 *
PHYS 2010 / 2011			Non-Calculus-Based Physics	4
PHYS 2020 / 2021			Non-Calculus-Based Physics	4
SUBTOTAL COGNATE HOURS				20

Courses to be taken to complete Minor in Education (30 hours)				
Course	Semester	Grade	Notes	Credit Hours
MSE 1010 Inquiry Approaches to Teaching				1
MSE 2010 Inquiry Lesson Design				1
YOED 3520 Knowing and Learning				3
YOED 3550 Classroom Interactions in Science and Math				3
PHIL 3120 Perspectives in Math and Science				3
YOED 4050 Project Based Instruction in Math and Science				3
YOED 4040 Residency I: (Grades 7-12)				4
YOED 4400 Residency II				12
SUBTOTAL MINOR HOURS				30
Approved:				
	Minor Advisor			Date

A minimum of 123 semester hours is required for graduation.	TOTAL HOURS	
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Approved

Student: _____ **Advisor:** _____ **Date:** _____

Geosciences Mentor: _____ **Geosciences Chair** _____