

**Upper Division Form  
Department of Geosciences**

Mentor: \_\_\_\_\_

Catalog Year: 2018-2019

Instructions: For students graduating in Fall 2018 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 rubrics)*: 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
					3
MATHEMATICS (3 hours) ** Plane Trigonometry	MATH 1720				3
NATURAL SCIENCES (8 hours) **CHEM 1010/1011 or CHEM 1110/1111 and ** BIOL 1110/1111	CHEM 1010/1011 or CHEM 1110/1111				4
	BIOL 1110/1111				4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different rubrics): 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
<b>* Must be different prefix from choice in first Humanities/Fine Arts category. ** Required to complete Cognate.</b>					
<b>SUBTOTAL HOURS</b>					<b>41</b>

Courses to be taken to complete Major (32 hrs)					
Required Courses	Semester	Grade	Notes		Credit Hours
P GEO 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

<b>SUBTOTAL ELECTIVE HOURS</b>				<b>7</b>
<b>SUBTOTAL MAJOR HOURS</b>				<b>32</b>

Courses to be taken to complete Math/Science Cognate (20 + 11* hrs)				
Required Courses	Semester	Grade	Notes	Credit Hours
ASTR 1030 / 1031			Exploring Universe	4
BIOL 1110 / 1111			General Biology I w/lab (credits 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 counted in General Education)	0 *
CHEM 1020 / 1021 or CHEM 1120 / 1121			General Chemistry II	4
MATH 1720			Plane Trigonometry (credits counted in General Education)	0 *
PHYS 2010 / 2011			Non-Calculus-Based Physics	4
PHYS 2020 / 2021			Non-Calculus-Based Physics	4
<b>SUBTOTAL COGNATE HOURS</b>				<b>20</b>

Courses to be taken to complete Minor in Education (30 hrs)				
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
<b>SUBTOTAL MINOR HOURS</b>				<b>30</b>
<b>Approved:</b>				
	<b>Minor Advisor</b>			<b>Date</b>

A minimum of 123 semester hours is required for graduation.	<b>TOTAL HOURS</b>	
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Approved

Student: \_\_\_\_\_ Advisor: \_\_\_\_\_ Date: \_\_\_\_\_

Geosciences Mentor: \_\_\_\_\_ Geosciences Chair \_\_\_\_\_