

Upper Division Form

Department of Geosciences 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: Geology	E-mail:			

General Education Requirements (42 hrs)	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) ** MATH 1910 Calculus I	MATH 1910			MATH 1910 and either MATH 1920 or MATH 1530 or MATH 2050 are required in cognate	3	
NATURAL SCIENCES (8 hours) ** CHEM 1110/1111 and either ** PHYS 2010/2011 or ** PHYS 2110/2111	CHEM 1110/1111			GEOL 1030/1031 or GEOL 1040/1041 required for major.	4	
				CHEM 1110/1111 and CHEM 1120/1121, BIOL 1110/1111 and either PHYS 2020/2021 or 2120/2121 required in cognate	4	
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different rubrics): 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. ** Required to complete Cognate					SUBTOTAL HOURS	41

Courses to be taken to complete Major (53 hrs)

Required Courses	Semester	Grade	Notes	Credit Hours
GEOL 1030/1031 or GEOL 1040/1041			Intro to Earth Science + Lab or Physical Geology + Lab (4 hrs)	4
GEOL 1050			Historical Geology (4 hrs)	4
GEOL 3000			Mineralogy (5 hrs)	5
GEOL 3050			Field Methods in Geology (3 hrs)	3
GEOL 3160			Geol. Lit & Report Writing (2 hr)	2
GEOL 4000			Petrology & Petrography (5 hrs)	5
GEOL 4020			Geomorphic Regions US (4 hrs)	4
GEOL 4030			Invertebrate Paleontology (5 hrs)	5
GEOL 4070			Sedimentation & Stratigraphy (5 hrs)	5
GEOL 4080			Structural Geology (5 hrs)	5
GEOL ____			GEOL elective; Geosciences mentor-approved (3 hrs)	3
GEOL 4130			Hydrogeology (5 hrs)	5
PGEO 4530			Geographic Information Systems(3 hrs)	3
SUBTOTAL HOURS				53

Courses to be taken to complete 1st Cognate (11-12 + 8* hrs)				
Note: if MATH 1530 or MATH 2050 are chosen, student must choose a 4 hr math/science elective in 2nd cognate.				
Required Courses	Semester	Grade	Notes	Credit Hours
*CHEM 1110, 1111			General Chemistry (4 hrs)	0 *
CHEM 1120, 1121			General Chemistry (4 hrs)	4
*MATH 1910			Calculus I (4 hrs) 3 credits count in general education	1 of 4
MATH 1920 or MATH 1530 or MATH 2050			Calculus II (4 hrs) or Applied Statistics (3 hrs) or Probability and Statistics (3 hrs)	3-4
Math/Science Elective			Math/Science elective (3 hrs, Geosciences mentor- approved)	3
* Counted in General Education Requirements			SUBTOTAL HOURS	11-12

Courses to be taken to complete 2nd Cognate (14-15 + 4* hrs)				
Required Courses	Semester	Grade	Notes	Credit Hours
PHYS 2010/ 2011 or PHYS 2110/2111			Physics I (4 hrs)	0*
BIOL 1110/1111 or PHYS 2020/2021 or PHYS 2120/2121			General Biology or Physics II (4 hrs)	4
Geosciences Elective			Geoscience Elective (3 hrs, Geosciences mentor-approved)	3
			Geology Field Camp in Western US (4 hrs, Geosciences Chair-approved)	4
Math/Science Elective			Math or Science Elective (3-4 hrs, Geosciences mentor-approved)	3-4
*Counted in General Education Requirements			SUBTOTAL HOURS	14-15

Additional Faculty-Mentored approved Math/Science courses required to complete 120 hours, if necessary				

A minimum of 120 semester hours is required for graduation.	TOTAL HOURS	
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Notes: _____

Approved

Student: _____ Advisor: _____ Date: _____

Geosciences Mentor: _____

Department Chair: _____