

Department of Geosciences Upper Division Form Catalog Year: 2020-2021

Instructions: For students graduating in Summer 2020 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: Career Path:	Geology Geology	E-mail:		
General Education Requirements	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: ENGL 2020, 2030 or HUM 2610. Choose two different subjects: ANTH 2210, ART 1030, or 1920, DANC 1000, HIST 1010, 1020, 1110 or 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
MATHEMATICS (3 hours) Choose one: MATH 1010, 1530, 1630, 1710, 1720, 1730, 1810, 1910				MATH 1910 is required for program	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				CHEM 1110/1111 is required for the program	4
				PHYS 2010/2011 OR 2110/2111 is required for program	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
SUBTOTAL HOURS					41
Courses to be taken to complete Major (53 hours)					
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 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) credits can count in general education	0-4
CHEM 1120/1121			General Chemistry (4 hrs)	4
MATH 1910			Calculus I (4 hrs) 3 credits can count in general education	1-4
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
SUBTOTAL HOURS				11-19
Courses to be taken to complete 2nd Cognate				
Required Courses	Semester	Grade	Notes	Credit Hours
PHYS 2010/ 2011 OR PHYS 2110/2111			Physics I (4 hrs) credits can count in general education	0-4
BIOL 1110/1111 OR PHYS 2020/2021 OR PHYS 2120/2121			General Biology or Physics II (4 hrs)	4
Geosciences Elective			GEOL or PGEO 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 hrs, Geosciences mentor-approved)	3
SUBTOTAL HOURS				14-18
Additional Faculty-Mentored approved Math/Science courses required to complete 120 hours, if necessary				
TOTAL HOURS				
A minimum of 120 semester hours is required for graduation.				

Notes: _____

Approval Signatures:

Student: _____ Advisor: _____ Date: _____

Geosciences Mentor: _____ Department Chair: _____