Michigan Technological University
Geological and Mining Engineering and Sciences

Bachelor of Science in Applied Geophysics

2021-2022

Revised 3/1/2021

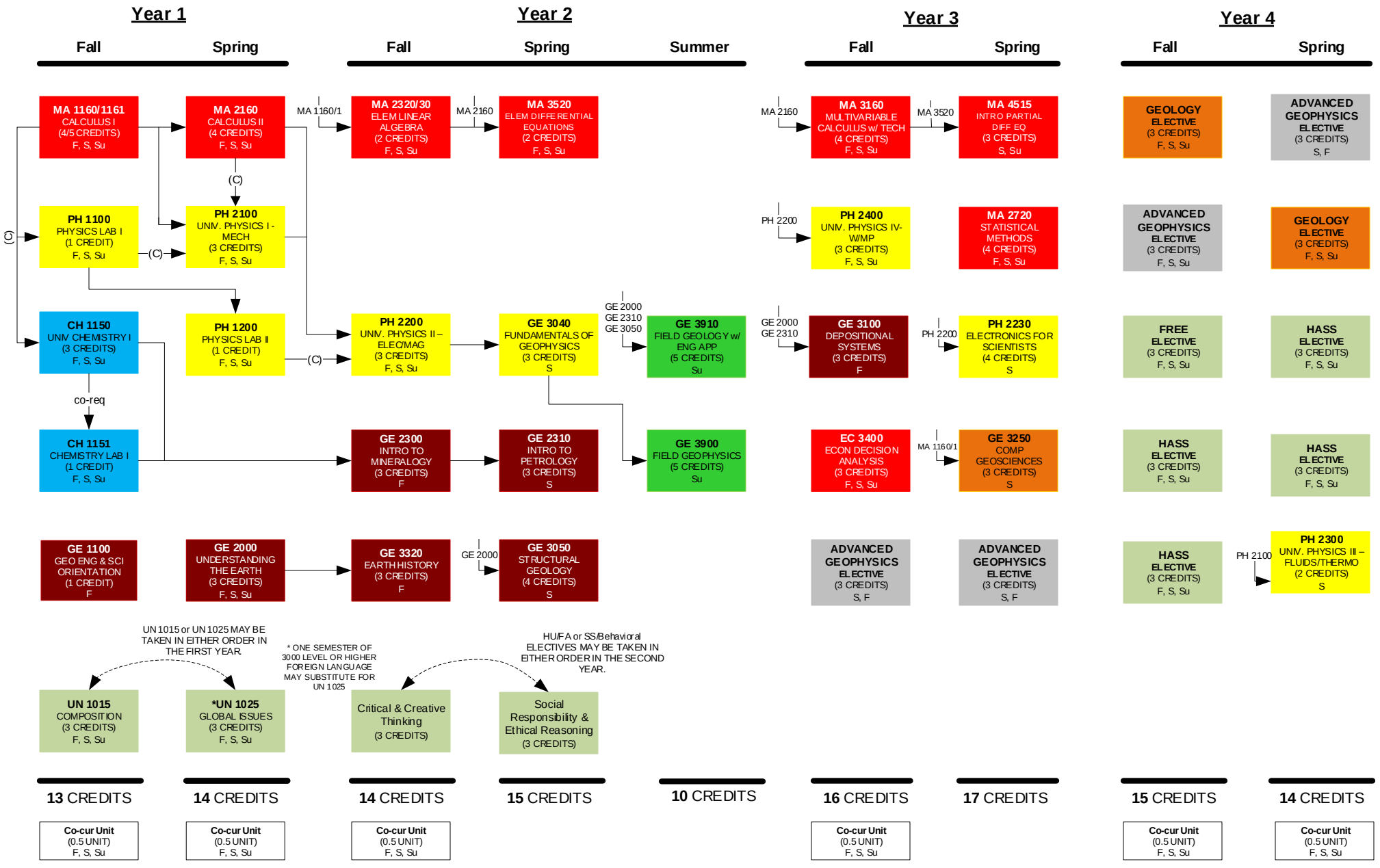
→ PREREQUISITE (COURSE MUST BE COMPLETED PRIOR TO ENROLLMENT)

(C)→ CONCURRENT RER EQUISITE, PREREQ. THAT MAY BE TAKEN SIMULTANEOUSLY WITH THE COURSE

F INDICATES COURSE IS OFFERED FALL SEMESTER

S INDICATES COURSE IS OFFERED SPRING SEMESTER

Su INDICATES COURSES IS OFFERED SUMMER SEMESTER



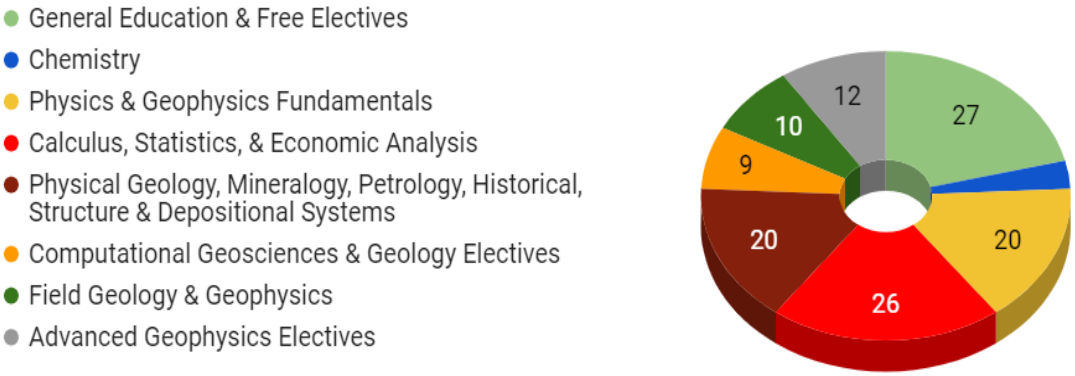
This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.

BS in Applied Geophysics 2021-2022
(Minimum of 128 Credits)

Geology Approved Electives (Minimum of 6 credits)
Geo Approved Electives can be any GE, PH, MA, or EE course 3000 level or above that is not already required or counted elsewhere.

Second Degree Policy: Candidates for a second degree must meet all the coursework requirements for the major in the second degree with a minimum of 25% of the credit hours required for the degree, beyond the primary degree.

BS Applied Geophysics Curriculum Overview (128 Total Credits)



Advanced Geophysics Electives

Course Title	Offered	Prerequisite(s)
GE 4250 Fundamentals of Remote Sensing	Spring	PH 2200, MA 2160
GE 4500 Plate Tectonics and Global Geophysics	Fall	GE 2000, PH 2200, MA 3160
GE 4530 Planetary Geology and Geophysics	Fall	GE 2000, PH 2200, MA 2160
GE 4560 Earthquake Seismology	Fall	GE 3050, PH 2100, MA 3160
GE 4600 Reflection Seismology	Spring	GE 3040
GE 4610 Formation Eval. & Petroleum Engineering	Fall/Spring	
GE 4933 Special Topics in Geophysics*	On Demand	
GE 4962 Ind. Geophysics Research Project**	On Demand	

*** GE 4610 Restrictions:** Permission of instructor required

****GE 4962 Restrictions:** Permission of instructor required; May not be enrolled in one of the following Classes: Freshman, Sophomore

Note: With approval of Advisor and Department Chair, exceptions may be granted for Advanced Geophysics Elective requirements.

General Education Requirements
(https://www.mtu.edu/registrar/pdfs/core-and-hass-list-20-21.pdf)

I. Core Courses (6 Credits)
___UN 1015 ___ UN 1025*
* Or one semester of a 3000 level or higher modern language.

II. Sophomore Core Courses (6 Credits)
Creative and Critical Thinking (HU/FA) _____
Social Responsibility and Ethical Reasoning (SS) _____

III. Hass Course Requirements (12 Credits)
(https://www.mtu.edu/registrar/pdfs/core-and-hass-list-20-21.pdf)
- *6 credits 3000- or 4000- level*
- *3 credits required from each of these 3 lists: Communication and Composition, Humanities and Fine Arts (HU/FA), and Social and Behavioral Sciences (EC/PSY/SS)*
- *No more than 3 credits on the Restricted HASS List*

A. 6 credits 3000- or 4000- level:
1._____ 2._____
B. 6 credits at any level:
1._____ 2._____

IV. Co-curricular activities (3 units)
The co-curricular requirement consists of three semester units of physical education activities. These units are required for graduation, but are not included in the overall degree-credit requirement.

Note: Most physical education activities will last for 7 ½ weeks or ½ semester. A student would need **six** of these ½-semester units to fulfill the 3-semester unit co-curricular requirement.

PE_____ PE_____ PE_____

PE_____ PE_____ PE_____