

Geology - Earth and Space Science Education Model Schedule

Effective Fall 2007

FALL	YEAR 1			YEAR 2			YEAR 3			YEAR 4		
	CH 1110	Univ Chemistry I	4	GE 2300	Earth Materials I: Min	3	BL 1040	Principles of Biology	4	BL 2170 or	Zoology or	4
	CH 1111	Univ Chemistry Lab I	1	PH 1600	Intro Astronomy	2	ED 3100	Instructional Technology	2	MA 2720	Statistical Methods*	
	GE2000	Understanding the Earth	3	PH 2200	Univ Physics II - E/M	3	(1) ED3110	Plych. Found. Of Educ.	3	GE 2640	Atmos Obs & Meteorology	3
	MA 1150/60	Calculus I	4	UN 2001	Revisions	3	ED 3210	Foundations of Education	2	GE 4000	Earth Sci Teaching Exp	1
	PH 1100	Intro Physics Lab I	1		PE/Co-Curricular (.5)	0	ED 3410	Clinical Experience	1	HU 4150	Literacy in Content Areas	4
	UN 1001	Perspectives	3	GE 2350	Structural Geology I	2	GE3100	Depositional Systems	3		Distribution	3
	GE1100	Orientation	1	GE 3320	Earth History & Paleoclim	3		PE/Co-Curricular (.5)	0		PE/Co-Curricular (.5)	0
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*(1) Counts as a general elective and satisfies as part of the teaching requirement (double counted)

*Take either BL 2160 or BL 2170, not both. Take MA 2720 in the semester in which the advanced BL course is NOT taken.

**One (1) credit of free elective is needed if GE 3910 is substituted for GE 2900 and GE 3915.

***Can be waived if MA 1160/2160 are taken; substitute free electives.

****GE 3900 can be replaced by credits used to satisfy requirements for a second teaching minor.

BL 1040, BL2160 or BL2170, and CH 1120 are not required for the Earth and Space Science teaching major, but are required for the science teaching minor. These courses can be substituted with courses required for a different teaching minor if desired. All teachers must have a teaching major and a teaching minor.

NOTE: Students must take SS 3300 or SS 3630 as one of their distribution courses.

To be recommended by the University for a teaching certificate in the State of Michigan, a student must meet all requirements as described by the Department of Education. The B.S. in Geology with the Earth and Space Science Education Option satisfies these requirements, including a teaching major in earth and space sciences and a teaching minor in science. Students can pursue a second teaching minor by taking additional courses.

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.