

Geological Engineering Model Schedule

Effective Fall 2010

	YEAR 1			YEAR 2			YEAR 3			YEAR 4		
FALL	GE 1100	Orientation	1	GE 2300	Earth Materials I: Min	3	EC 3400	Econ Dec Anal/Dist	3	GE 4900	Geo Eng Design Proj ¹	3
	ENG 1101	Foundations of Eng I	3	MA 3160	Multivariable Calc w/Tech	4	GE 3100	Depositional Systems	3		Adv Geophysics Elective	3
	MA 1160	Calculus w/Tech I	4	PH 2200	Univ Physics II - E/M	3	***ENG3200	Thermo Fluids	4		Distribution	3
	PH 1100	Intro Physics Lab I	1	UN 2001	Revisions	3		Geochemistry Elective*	3		Geo Eng Elective ²	3
	UN 1001	Perspectives	3	PH 1200	Intro Physics Lab II	1		Co-Curricular (PE)	0		Co-Curricular (PE)	0
	CH 1150	Univ. Chemistry	3				GE 3850	Geohydrology	3			
	CH1151	Univ. Chemistry Lab	1									
			16						16			12
SPRING	ENG 1102	Foundations of Eng II	3	ENG 2120	Statics-Strength of Mat	4	CE 3810	Soil Mech for Engrs	4	GE 4910	Geo Eng Design Proj II ¹	3
	MA 2160	Calculus w/Tech II	4	GE 2310	Earth Materials II: R/M	3		Geo Eng Elective ²	3		Distribution ³	3
	PH 2100	Univ Physics I - Mech	3	GE3040	Fundamentals of Geophy	3	MA 3710	Engineering Statistics**	3		Free Elective ³	3
	UN 1002	World Cultures	4	MA 3520	Elem Diff Equations	2		Distribution	3		Distribution	3
	GE2000	Understanding the Earth	3	UN 2002	Institutions	3		Co-Curricular (PE)	0		Geo Eng Elective ²	3
				MA 2320	Elem Linear Algebra	2	GE 3050	Structural Geology	4			
			17			17			17			15
SUMMER							GE 3900	Field Geophysics	5			
							GE 3910	Field Geology	5			10
										Total: 134		

*GE 3200 Geochemistry or CE 3501 Environmental Engineering Fundamentals or CE 3503 Environmental Engineering.

**MA 3710 Engineering Statistics or CE 3502 Environmental Monitoring and Measurement Analysis.

***ENG3200 Thermo Fluids acceptable substitution is ENG3507 and CH3501 which are both offered in the spring.

¹GE 4900 and GE 4910 - Geological Engineering Design Project I and II

With approval of Geological Engineering ABET Coordinator, design projects outside of the department may be substituted.

²Geological Engineering Electives

Nine credits of Geological Engineering Electives are required. Prerequisites not normally required must be satisfied by free electives or other courses not specifically listed.

With approval of Geological Engineering ABET Coordinator, may substitute Special Topics in Geological Engineering, Independent Geological Engineering Research and/or Cooperative Lab.

³Enterprise Concentration (12 credits) - with permission of Geological Engineering ABET Coordinator, may substitute 6 credits of interdisciplinary project for GE4900 and GE4910; 3 credits of required communication, teaming or business must be double counted as Distribution credits; and 3 credits of enterprise technical electives must be substituted for free electives.

Enterprise Minor - follow concentration plus 6 more credits beyond required degree as per minor requirements.

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.