

Updated 4/26/2022

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
<i>Careers in NRM & Env Sci</i> NR 140 (1)	<i>Calculus I</i> MATH 141 (4)¹ * [B4]	<i>Calculus II</i> MATH 142 (4)¹ (MATH 141 w/min C- or Instr. Consent) [B4]	<i>Soil Health & Plant Nutrition</i> SS 221 (4) (SS 120 or 121)	<i>Introduction to GIS</i> NR/LA 218 (3)		<i>Undergraduate Seminar</i> NR 363 (2) (Jr Standing)			<i>Envir Soil & Water Chem</i> SS 423 (5) (CHEM 129; 212, 216, 312, or CHEM 316; ERSC 223; MATH 119, 141, or 161; or Grad Standing)	<i>Senior Project - Envir Soil Physics</i> SS 424 (5) (CHEM 125/128; MATH 141/161; PHYS 121/141; SS 120; NR 363; or Grad Standing)	
<i>Physical Geology</i> GEOL 201 (3) (MATH 119)	<i>General Chemistry for Agriculture & Life Science I</i> CHEM 127 (4) * [B1 & B3]	<i>General Chemistry for Agriculture & Life Science II</i> CHEM 128 (4) (CHEM 127 or AP Chem score of 5)	<i>General Chemistry for Agriculture & Life Science III</i> CHEM 129 (4) (CHEM 128)	<i>Soil Morphology</i> SS 321 (4) (SS 120 or 121)			Choose one: NR 418 (3) or NR 355 (4) or NR 416 (4) or SS 431 (4) *		<i>Geomorphology</i> ERSC 423 (4)³ (SS 120 or SS 121; GEOL 201)		
<i>Intro to Earth Science</i> ERSC 144 (4)		<i>Introductory Soil Science</i> SS 120 (4)	<i>General Physics I</i> PHYS 141 (4)² *	<i>Organic Chem: Fundamentals & Applications</i> CHEM 312 (5) (CHEM 125 or 128)	<i>Statistics:</i> STAT 217 (4) OR STAT 218 (4) * [GE Elective]	<i>Soil Erosion & H₂O Conserv</i> ERSC 303 (4) (LA/NR 218 or GEOG 318; SS 120)			<i>Igneous Petrology</i> GEOL 309 (3) (GEOL 102 or 201; ERSC 223)	<i>Principles of Stratigraphy</i> GEOL 330 (4) (GEOL 102 or 201; GEOL 241)	<i>Structural Geology</i> GEOL 415 (4)³ GEOL 241; ERSC 223
<i>General Botany</i> BOT 121 (4) [B2 & B3]				<i>Rocks & Minerals</i> ERSC 223 (4) (SS 120; CHEM 124 or 127)	<i>Physical Geology Lab</i> GEOL 241 (1) (GEOL 102 or 201)	<i>Global Climate Change</i> NR 310 (4) (Jr Standing; GE Areas A & B1-B4) [Upper-Div B]			<i>Physical Models in the Geosciences</i> GEOL 301 (4) (MATH 142; PHYS 141; GEOL 201)	<i>Computation & Visualization in Geosciences</i> GEOL 303 (3) (GEOL 301 and one of: STAT 217, 218, 301, 312, or 321)	<i>Seismology and Earth Structure</i> GEOL 305 (4) (Jr Standing; GE Area A & B4; GEOL 303; or PHYS 142 & MATH 242 or 244)
GE (4) **									<i>Applied Geophysics</i> GEOL 420 (3) GEOL 201; PHYS 141	<i>Field-Geology Methods</i> GEOL/ERSC 416 (4) (GEOL 102 or 201; GEOL 415)	<i>Geologic Mapping</i> GEOL/ERSC 417 (4) (ERSC/GEOL 401 or 416)
<i>Oral Communication</i> COMS 101 or 102 (4)** [A1] Can be taken anytime during Freshman Year			GE (4)⁶ ** [D2]	GE (4) **	GE (4) **	GE (4)⁵ ** [Upper-Div C]	GE (4) **	GE (4) **	GE (4) **	GE (4)⁷ ** [Upper-Div D]	GE (4) **
<i>Expository Writing</i> ENGL 133 or 134 (4)** [A2] Can be taken anytime during Freshman Year								GE (4) **			GE (4) **
	<i>Reasoning, Argumentation, & Writing</i> [A3] COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGQS 145 (4)⁴ (Completion of GE A2 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.					Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)					
16	16	16	16	16	13	16	16	14-15	16	13	12
										TOTAL:	180-181

Notes:

MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

* Refer to current catalog for prerequisites.

**One course from each of the following GE areas must be completed: A1, A2, A3, C1, C2, Lower-Division C Elective, Upper-Division C, D1, D2, Upper-Division D, Lower-Division E, F, and GE Elective. Upper-Division C should be taken only after Junior standing is reached (90 units).

Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: C1, Upper-Division C, D1, Upper-Division D, E or F.

¹ Students in the Geology concentration need to take MATH 141 & 142 to meet prerequisites for courses in the concentration. Students interested in the Soil Geotechnical Studies Approved Electives area need to take MATH 141 & 142 to meet prerequisites for courses in that area.

² Students in the Geology concentration need to take PHYS 141 to meet prerequisites for courses in the concentration. Students interested in the Soil Geotechnical Studies Approved Electives area need to take PHYS 141 to meet prerequisites for courses in that area.

³ Students in the Geology concentration need to take ERSC 423 and GEOL 415 to meet requirements for this concentration.

⁴ ENGL 147: Writing Arguments about STEM recommended.

⁵ NR 360: Ethnicity and the Land or ENGL 316: Writing Sustainability (satisfies GWR) recommended.

⁶ GEOG 150: Human Geography recommended.

⁷ GEOG 308: Global Geography, BRAE 349: Water for a Sustainable Society, or NR 323: Human Dimensions in Natural Resources Management recommended

Legend:

Course Title		Major (96-97)
Course # (Units)		Concentration (32)
(Prerequisite)		General Ed. (52)
[GE Area]		