

Updated 4/27/2022

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Careers in NRM & Env Sci NR 140 (1)	Calculus I course: ¹ MATH 161 or 141 (4) * [B4]	Introductory Soil Science SS 120 (4)	Soil Health & Plant Nutrition SS 221 (4) (SS 120 or 121)			Undergraduate Seminar NR 363 (2) (Jr Standing)			Envir Soil & Water Chem SS 423 (5) (CHEM 129; 212, 216, 312, or CHEM 316; ERSC 223; MATH 119, 141, or 161; or Grad Standing)	Senior Project - Envir Soil Physics SS 424 (5) (CHEM 125/128; MATH 141/161; PHYS 121/141; SS 120; NR 363; or Grad Standing)	
Physical Geology GEOL 201 (3) (MATH 119)	General Chemistry for Agriculture & Life Science I CHEM 127 (4) * [B1 & B3]	General Chemistry for Agriculture & Life Science II CHEM 128 (4) (CHEM 127 or AP Chem score of 5)	General Chemistry for Agriculture & Life Science III CHEM 129 (4) (CHEM 128)	Organic Chem: Fundamentals & Applications CHEM 312 (5)⁶ (CHEM 125 or 128)	Statistics: STAT 217 (4) OR STAT 218 (4) * [GE Elective]	Soil Morphology SS 321 (4) (SS 120 or 121)	Choose one: ⁵ ERSC/GEOG 333 (4) * BRAE 345 (3) * GEOG 325 (4) * GEOG 350 (4) * MATH 142 (4) *	Choose one: ⁷ NR 418 (3) * NR 355 (4) * NR 416 (4) * SS 431 (4) *	Geomorphology ERSC 423 (4) (SS 120 or SS 121; GEOL 201)	Soil Ecology SS 422 (4) (CHEM 212, 312, or 313; SS 221; or Grad Standing)	
Intro to Earth Science ERSC 144 (4)	Introduction to GIS NR/LA 218 (3)		College Physics: ² PHYS 121 (4) OR PHYS 141 (4) *	Rocks & Minerals ERSC 223 (4) (SS 120; CHEM 124 or 127)	Physical Geology Lab GEOL 241 (1)⁵ (GEOL 102 or 201)	Global Climate Change NR 310 (4) (Jr Standing; GE Areas A & B1-B4) [Upper-Div B]		Principles of Stratigraphy GEOL 330 (4) (GEOL 102 or 201; GEOL 241)	Structural Geology GEOL 415 (4) GEOL 241; ERSC 223	Watershed Assessment & Protection NR 420 (4) (NR 320 or Grad Standing)	Digital Soil Mapping SS 431 (4) (GEOL 318 or LA/NR 218; STAT 217 or 218; or Grad Stdg. Recom: SS 321)
General Botany BOT 121 (4) [B2 & B3]		Calculus II Course: ⁴ MATH 162 (4) OR MATH 142 (4) *		Physics II Course: PHYS 122 (4) OR PHYS 142 (4) *		Applied Envir Groundwater Hydrology ERSC 442 (4) (ERSC 144 or GEOL 201; MATH 141 or 161; SS 120)	OR	Watershed Processes and Management NR 320 (4) (NR/LA 218; SS 120, 305, or 306)	Concentration Approved Elective (4)^{1,4}	Concentration Approved Elective (4)^{1,4}	Forest and Range Soils SS 440 (4) (SS 120 or SS 121; SS 321)
Oral Communication COMS 101 or 102 (4)** [A1] Can be taken anytime during Freshman Year			GE (4) ⁸ ** [D2]	GE (4) **	GE (4) **	Applied Envir Contaminant Transport ERSC 443 (4) (CHEM 125 or CHEM 128; ERSC 144 or GEOL 201; MATH 141 or MATH 161; SS 120)	GE (4) ⁷ ** [Upper-Div C]	GE (4) ⁹ ** [Upper-Div D]		GE (4) **	GE (4) **
Expository Writing ENGL 133 or 134 (4)** [A2] Can be taken anytime during Freshman Year					GE (4) **					GE (4) **	GE (4) **
	Reasoning, Argumentation, & Writing [A3] COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGQS 145 (4)⁸ (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	15	16	17	13	16	14-16	14	13	17	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 8 units Approved Concentration Electives required. See catalog for course options.

² Students may take GEOL 241 either Fall or Spring quarter of their Sophomore year.

³ Students may take CHEM 312 any quarter of their Sophomore year.

⁴ If a course is taken to meet a Major requirement, it cannot be double-counted in the concentration.

⁵ Students interested in taking NR 355 need to take BRAE 345 to meet prerequisites.

⁶ ENGL 147: Writing Arguments about STEM recommended.

⁷ NR 360: Ethnicity and the Land or ENGL 316: Writing Sustainability (satisfies GWR) recommended.

⁸ GEOL 150: Human Geography recommended.

⁹ GEOL 308: Global Geography, BRAE 349: Water for a Sustainable Society, or NR 323: Human Dimensions in Natural Resources Management recommended

Legend:

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