

Sample 4-year plan for 3+1

Geology Major

Comments: 400s in Geology are Alternate Year courses. There is some choice for the student vis-à-vis timing and topic, so we have shown that here using parentheses around one 400-level each semester in the 2nd and 3rd years. I included the plan of study below to clarify. We have only put the major and general education requirements here - the remaining ~45 credits for the degree are completely up to the student, so we did not enter them.

	Fall	Spring	May Term/Summer
Year 1 33-34 credits	GEOL 201 Earth & the Environment (4) (A-QR, D-I)	GEOL 314 Interpreting Earth History (4) (RCH)	EPIC Advantage this year or next (or potentially after Year 3 if in May only)
	BIOL 111, CHEM 111, CS 128, MATH 120, MATH 180, PHYS 120, or PHYS 125 (3-4)	GEOL 316 Geochemistry (4) (RCH, WI)	
Year 2 21-30 Credits	GEOL 315 Earth Materials (4) (RCH)	GEOL 421, 410, 411, 412, or 432 (4)	GEOL 481 (IE) or 486 (IE)
	GEOL 420, 430, or 431 (4)	(GEOL 421, 410, 411, 412, or 432 (4))	
	(GEOL 420, 430, or 431 (4))		
	BIOL 111, CHEM 111, CS 128, MATH 120, MATH 180, PHYS 120, or PHYS 125 (3-4)		
Year 3 13-21 Credits + 14 Grad credits	GEOL 488 Senior Capstone (1)	(GEOL 421, 410, 411, 412, or 432 (4))	ED510 Foundations of Teaching (3)
	(GEOL 420, 430, or 431 (4))		ED520 Adolescent Development (3)
			ED530 Literacy (3)
			Ed560 Practicum I (2)
			Ed590 Teacher as Researcher I (3)
Year 4 28 Grad Credits	ED522 Learning Theories (4)	ED562 Practicum III (10)	
	ED531 Curriculum, Instruction, and Assessment (3)	ED581 The Professional Educator II (1)	
	ED540-544 Current Practices in Content Areas (1)	ED592 Teacher as Researcher III (2)	
	ED561 Practicum II (3)		
	ED580 The Professional Educator I (2)		
	ED591 Teacher as Researcher II (2)		

	Fall	Spring	May Term/Summer
Year 1 34 credits	GEOL 201 Earth & the Environment (4) (A-QR, D-I)	GEOL 314 Interpreting Earth History (4) (RCH)	EPIC Advantage
	ESem1 (4)	GEOL 316 Geochemistry (4) (RCH, WI)	
	JAPN101 Basic Japanese I (5) (D-L)	ESem2 (4)	
	MATH120 Elementary Statistics (3)	JAPN102 Basic Japanese II (5) (D-L)	
	THEA134 Applied Theatre: Costume Construction (1)	AWPE 223 Lap Swimming -- Beginning	
Year 2 36 Credits	GEOL 315 Earth Materials (4) (RCH)	GEOL 432 Climate Systems (4) Recommended for Space Content	GEOL 486 Independent Student Research (3)
	ART202 Art Cloth (4)	GEOL 410 Structural Geology and Tectonics(4)	
	GEOL 420 Earth Surface Processes (4)	THEA250 Introduction to Theatre (3)	
	BIOL 111 Ecological Biology (4)	MGMT141 World of Business (3)	
	THEA234 Applied Theatre: Wardrobe (2)	AWPE201 Indoor Gym Climbing	
Year 3 33 Credits + 14 Grad credits	AWPE118 Tennis -- Beginning		
	GEOL 488 Senior Capstone (1)	GEOL411 Tectonics and Geophysics(4)	ED510 Foundations of Teaching (3)
	GEOL431 Soils and Sustainable Agriculture(4)	Art210 History of Craft (3) (D-I)	ED520 Adolescent Development (3)
	HIST231 African History to 1880 (4) (D-I)	EDUC210 Theory and Practice of Education (3)	ED530 Literacy (3)
	ENG203 Women and Literature (4)	AAAS204 African American Literature (4) (D-D)	Ed560 Practicum I (2)
Year 4 28 Grad Credits	ART115 Art: Context and Meaning (3)	HIST231 Modern East Asia (3) (D-I)	Ed590 Teacher as Researcher I (3)
	AWPE110 Bowling -- Beginning		
	ED522 Learning Theories (4)	ED562 Practicum III (10)	
	ED531 Curriculum, Instruction, and Assessment (3)	ED581 The Professional Educator II (1)	
	ED540-544 Current Practices in Content Areas (1)	ED592 Teacher as Researcher III (2)	
	ED561 Practicum II (3)		
	ED580 The Professional Educator I (2)		
	ED591 Teacher as Researcher II (2)		

Geology Major

All of the following courses:

- GEOL 201 Earth and the Environment
- GEOL 314 Interpreting Earth History
- GEOL 315 Earth Materials
- GEOL 316 Geochemistry
- GEOL 488 Senior Capstone Experience

Four courses from the following three groups, at least one course from each group:

- GROUP A

- GEOL 410 Structural Geology and Tectonics
- GEOL 411 Tectonics and Geophysics
- GEOL 412 Petrology
- GROUP B
 - GEOL 420 Earth Surface Processes
 - GEOL 421 Depositional Environments
- GROUP C
 - GEOL 430 Water
 - GEOL 431 Soils and Sustainable Agriculture
 - GEOL 432 Climate Systems **Highly recommended for space content.**

Two of the following supporting science courses from two different departments:

- BIOL 111 Ecological Biology
- CHEM 111 Principles of Chemistry
- CS 128 Programming and Problem Solving
- MATH 120 Elementary Statistics
- MATH 180 Calculus A
- PHYS 120 General Physics I
- PHYS 125 Analytical Physics I

One of the following department-approved experiences

- GEOL 475 Senior Comprehensive Examination
- GEOL 481 Internships, Field Studies and Other Field Experiences
- GEOL 486 Independent Student Research

Notes:

- Total of 102 undergrad credits, 42 grad credits, 144 credits overall
- 34 Upper Level undergrad credits (not the required 36), 42 grad credits 500+
- Counts on MAT for total credits, upper-level credits

General Education requirements checklist:

UG ESem I

UG ESem II

UG 6 credit hours in Humanities (not language requirement)

UG 6 credit hours in Natural Sciences

UG 6 credit hours in Social Sciences

UG 6 credit hours in Visual and Performing Arts

UG 3 credit hours in abstract or quantitative analytical reasoning

UG 3 credit hours in Diversity – Domestic

UG 3 credit hours in Diversity – International

UG 10 credit hours in a language or test out

UG 4 Wellness courses or a varsity sport and 2 wellness courses or two varsity sports

UG Writing Intensive within the major

UG Immersive experience

UG Research

MAT 36 Upper levels

MAT 120 total credits