

Curriculum Guide for AS to BS Geology: Interdisciplinary at WCU

Freshman/First Year

1st Semester* Fall					2nd Semester Spring				
CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes	CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes
ENG 111	ENGL 101	C1	3		ENG 112	ENGL 202	C1	3	
GEL 111/GEL 120**	GEOL 150	C5	4	Required	PHY 151/BIO 111	PHYS 130/BIOL 140	C5	4	Req'd by major
Gen. Ed/UGETC Elective	Math 130 if needed		3	Pre-req to MAT 172, which is req'd	MAT 172	MATH 146	C2	4	Req'd for major
Humanities/Fine Arts	Humanities	P4	3		HEA 110/PED 110	Wellness	C4	3	
ACA 122	USI 130		1		GEOL 113**	GEOL 155 Historical Geol		3	Can be taken at WCU as well
Total Credit Hours 14					Total Credit Hours 17				

*This assumes placement into college level courses. This is only meant to be a guide. Please see your academic advisor to develop your individual

Sophomore/Second Year

3rd Semester Fall					4th Semester Spring				
CC Course	Equivalent	Cat.	Hours	Required/Notes	CC Course	Equivalent	Cat.	Hours	Required/Notes
Social Science (Global Perspective)	World Cultures	P6	3		Social/Behavioral Sciences	Social Sciences	P1	3	
MAT 151/271	MATH 170/153 (Stats or Calc)		4	Req'd for major	Humanities		P5	3	
CHM 151	CHEM 139	C5	4	Req'd for major	COM 231	COMM 201	C3	3	
Social/Behavioral Sci	Social Sciences	P1	3		History	History	P3	3	
					Gen. Ed/UGETC Elective			4	
14					Total Credit Hours 16				

rev. 4/7/21

Gen. Ed.=beige shading

Other required hours=blue shading

Junior/Third Year (at WCU)

5th Semester		Fall		6th Semester		Spring	
WCU Course	Course Title	Credit Hours	Notes	WCU Course	Course Title	Credit Hours	Notes
GEOL 250	Intro. To the Rock Forming Minerals	3	GEOL 150/Chem 139 pre-reqs	GEOL 422	Sedimentation and Stratigraphy	4	Spring course 150/155 pre-reqs
GEOL 305/302	Hydrology/Geomorphology	4	Pick one-- alternating falls	GEOL 355 or 371	Petrology or Structural Geology	4	Alternating sp's
Upper level maj. Electives***		3		Upper level maj. Electives		3	
Gen. Elective		3		Gen. Elective		3	
Gen. Elective		2					
Total Credit Hours		15		Total Credit Hours		14	

Senior/Fourth Year

7th Semester		Fall		8th Semester		Spring	
WCU Course	Course Title	Credit Hours	Notes	WCU Course	Course Title	Credit Hours	Notes
GEOL 356/GEOL 471	Adv. Petrology/Tectonics	2	2-3 credits	GEOL 355 or 371	Petrology or Structural Geology	4	Alternating sp's
300-level GEOL elective	GEOL Elective	3		Upper level maj. Electives		3	
Upper level maj. Electives		3		Upper level maj. Electives		3	
GEOL 495/499	Senior Capstone or Thesis	3	Fall	Upper level maj. Electives		3	
Gen. Elective		2		Gen. Elective		4	
Total Credit Hours		13		Total Credit Hours		17	

**If the equivalents to WCU's GEOL 150 and 155 courses are not offered at your community college, these can be taken in the junior and senior year at WCU. Contact the WCU Advising Center for advice on appropriate substitutes.

Note: 17-19 credits of upper-level electives, including 9 or more outside of GEOL, are required for major. NOTE: Students planning to pursue graduate work are urged to include one year of calculus (MATH 153 & 255), Chemistry (CHEM 139 & 140), and Physics (PHYS 130 & 230 or 131 & 231)

Total Credit Hours 120 Reminder: 30 hours of 300-400 level courses must be taken at WCU.

<https://www.wcu.edu/learn/departments-schools-colleges/cas/science-and-math/gnr/geol/index.aspx>