

Curriculum Guide for AS to B.S.Ed. Science: Earth Sciences 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											
MAT 171	MATH 146	C2	4	Required	COM 231	COMM 201	C3	3	Preferred										
History	History	P3	3	Preferred	MAT 172	MATH 145		4											
Humanities/Fine Arts	Fine & Performing Arts	P5	3		BIO 112	BIOL 141		4	Required										
BIO 111	BIOL 140	C5	4	Required	Social/Behavioral Science	Social Sciences	P1	3											
ACA 122	USI 130		1																
Total Credit Hours					18					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 plan.

Sophomore/Second Year

3rd Semester		Fall			4th Semester		Spring												
CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes	CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes										
EDU 216/Other Elective	EDCI 201		3	Required	CHM 152	CHEM 140		4	Required										
MAT 271	MATH 153		4	Required	Social/Behavioral Sciences	Social Science	P1	3											
CHM 151	CHEM 139	C5	4	Required	HEA 110/PED 110/Other Electives	Wellness	C4	3											
Social Science (Global Perspective)	World Cultures	P6	3		Humanities/Fine Arts	Humanities	P5	3											
Total Credit Hours					14					Total Credit Hours					13				

Suggested Course Sequence to transfer from NCCCS
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		
SCI 150	Intro to Secondary Science Education	1		CHEM 241	Organic Chemistry I	4			
AST 103/104	Solar System/Cosmic Evolution	4		GEOL 155	Historical Geology	4			
GEOL 150	Methods in Geology	4		PHYS 131	Introductory Physics II	4			
PHYS 130	Introductory Physics I	4		SCI 301	Nature & Science	3			
PSY 323	Psychology Applied to Learning and Teaching	3		EDSE 322	Principles & Methods of Teaching	2			
Total Credit Hours				16		Total Credit Hours		17	

Depending on hours and grades, a summer semester may be advisable.

Senior/Fourth Year

7th Semester		Fall		8th Semester		Spring			
WCU Course	Course Title	Credit Hours	Notes	WCU Course	Course Title	Credit Hours	Notes		
SCI 422	Principles & Methods of Science Education	3		SCI 491	Supervised Student Teaching in Science	3			
GEOG 300	Weather and Climate	3		EDSE 490	Supervised Student Teaching	6			
SPED 339	Designing Classrooms as Responsive Learning Communities	3		EDSE 495	Seminar	3			
GEOL 302/305	Geomorphology/Soils & Hydrology	4							
GEOL 393/495	Seminar in Geology	1 to 3							
Total Credit Hours				14-16		Total Credit Hours		12	

Total Credit Hours 121-123

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

<http://www.wcu.edu/academics/departments-schools-colleges/cas/casdepts/biology/biundergrad/ssed/index.asp>