

## Curriculum Guide for AS to B.S.Ed. Science: Physics 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 (Social/Behavioral Science)	History	P3	3	Preferred	MAT 172	Pre-req for MAT 271 (MATH 153 at WCU)		4		
Humanities/Fine Arts	Fine & Performing Arts	P5	3		BIO 112 (Natural Science)	BIOL 141		4	Required	
BIO 111 (Natural Science)	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		PHYS 300-400 level	PHYS Upper Level	3			
MATH 255	Calculus II	4		PSY 323	Psychology Applied to Learning and Teaching	3			
GEOL 150	Methods in Geology	4		PHYS 231	General Physics II	4			
PHYS 230	General Physics I	4		SCI 301	Nature of Science	3			
GEOL 155	Historical Geology	4		SPED 339	Designing Classrooms as Responsive Learning Communities	3			
Total Credit Hours				17		Total Credit Hours		16	

## 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			
PHYS 380	Research in Physics	3		EDSE 490	Supervised Student Teaching	6			
EDSE 483	Sec/Spec Sub Area Intern I	2		EDSE 495	Seminar	3			
SCI 422	Principles and Methods in Science Education	3							
PHYS 300-400 level	PHYS Upper Level	3							
PHYS 325/CHEM 352	Thermo./Phys Chem I	3							
Total Credit Hours				17		Total Credit Hours		12	

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

Program website: [ScienceBSED.wcu.edu](http://ScienceBSED.wcu.edu)

For Academic Advising questions, please visit: [Suite 201.wcu.edu](http://Suite201.wcu.edu)

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UGETC=purple shading

Gen. Ed.=beige shading

Other required hours=blue shading