

Curriculum Guide for AS to BS Biology: Molecular at WCU

Freshman/First Year

1st Semester*					2nd Semester				
Fall					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		COM 231	COMM 201	C3	3	Preferred
History	History	P3	3	Preferred	BIO 112	BIO 141		4	Required
Humanities/Fine Arts	Humanities	P4	3		MAT 172	MATH 145		4	
BIO 111	BIOL 140	C5	4	Required	Social/Behavioral Sciences	Social Sciences	P1	3	
ACA 122	USI 130		1						
Total Credit Hours					Total Credit Hours				
18					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					4th Semester				
Fall					Spring				
CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes	CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes
HEA 110/PED 110/Other Elective	Wellness	C4	3		Social Science	Social Sciences	P1	3	
MAT 271/Other Elective	MATH 153		4	Required	PHY 152/Other Elective	PHYS 131		4	Required
PHY 151/Other Elective	PHYS 130		4	Required	Social Science (Global Perspective)	World Cultures	P6	3	
CHM 151/Gen. Ed/UGETC Elective	CHEM 139	C5	4	Required	CHM 152/Gen. Ed/UGETC Elective	CHEM 140		4	Required
Total Credit Hours					Total Credit Hours				
15					14				

Suggested Course Sequence to transfer from NCCCS
Junior/Third Year (at WCU)

5th Semester				6th Semester			
Fall				Spring			
WCU Course	Course Title	Credit Hours	Notes	WCU Course	Course Title	Credit Hours	Notes
BIOL 240	Introduction to Genetics	4		BIOL 241	Introduction to Ecology and Evolution	3	
CHEM 241	Organic Chemistry I	4		CHEM 242	Organic Chemistry II	4	
Gen. Elective		3		Gen. Elective		3	
Gen. Elective		3	Statistics recommended	Gen. Elective		3	
Total Credit Hours				Total Credit Hours			
14				13			

Senior/Fourth Year

7th Semester				8th Semester			
Fall				Spring			
WCU Course	Course Title	Credit Hours	Notes	WCU Course	Course Title	Credit Hours	Notes
BIOL 361	Principles of Biochemistry	3		BIOL 333	Cell & Molecular Biology	4	
BIOL 413	Principles of Gen Microbiology	3		BIOL Elective	Cell & Molecular Biology Set	3 or 4	
BIOL Elective	Ecology and Evolutionary Set	3 or 4		BIOL Elective	Any Set	3 or 4	
BIOL Elective	Organismal Biology Set	3 or 4		BIOL 480/495/498/499	Senior Research	3	
BIOL Elective	Any Set	3 or 4					
Total Credit Hours				Total Credit Hours			
15-18				13-15			

Total Credit Hours 120-125

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/index.asp>