

Curriculum Guide for AS to BS Mathematics: Applied 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	Natural Science	Physical & Biological Sciences		4	
Humanities/Fine Arts	Humanities	P4	3		MAT 172	MATH 145		4	
Natural Science	Physical & Biological Sciences	C5	4		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/Behavioral Sciences	Social Sciences	P1	3	
MAT 271/Other Elective	MATH 153		4	Required	MAT 272/Other Elective	MATH 255		4	Required
Social Science (Global Perspective)	World Cultures	P6	3		Other Elective	Elective		3	
Gen. Ed/UGETC Elective		C5	3	different science if not earning AA	Gen. Ed/UGETC Elective		P5	3	Fine & Performing Arts if not earning AA
Total Credit Hours					Total Credit Hours				
13					13				

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
MATH 250	Intro to Logic and Proof	3		MATH 310	Discrete Structures	3	
MATH 256	Calculus III	4		Minor class		3 or 4	
MATH 270	Statistical Methods I	3		Minor class		3 or 4	
Minor class		3 or 4		Minor class		3 or 4	
Gen. Elective		3		Gen. Elective		3	
Total Credit Hours				Total Credit Hours			
16-17				15-17			

Senior/Fourth Year

7th Semester				8th Semester			
Fall				Spring			
WCU Course	Course Title	Credit Hours	Notes	WCU Course	Course Title	Credit Hours	Notes
MATH 479	Capstone: Seminar	2		Math Elective		3	
MATH 320	Ordinary Differential Equations	3		MATH 340	Intro to Scientific Computing	3	
Math Elective	Computing/Modeling	3		Minor class		3 or 4	
MATH 362	Linear Algebra I	3		Minor class		3 or 4	
Minor class		3 or 4		Gen. Elective		3	
Total Credit Hours				Total Credit Hours			
14-15				15-17			

Total Credit Hours 121-128

A minor or second major is required.

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

<http://www.wcu.edu/academics/departments-schools-colleges/cas/casdepts/mathcsdept/mathcsacadprogs/mathematics/bs-in-mathematics/index.asp>