Suggested Course Sequence to transfer from NCCCS

Curriculum Guide for AS to BS Mathematics: Applied at WCU

Freshman/First Year

1st Semester* Fall

CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes
ENG 111	ENGL 101	C1	3	
MAT 171	MATH 130	C2	4	
History	History	P3	3	Preferred
Humanities/Fine Arts	Humanities	P4	3	
Natural Science	Physical & Biological Sciences	C5	4	
ACA 122	USI 130		1	
Total Credit Hours			18	

2nd Semester Spring

CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes
ENG 112	ENGL 202	C1	3	
COM 231	COMM 201	C3	3	Preferred
Natural Science	Physical & Biological Sciences		4	
MAT 172	MATH 146		4	
Social/Behavioral Sciences	Social Sciences	P1	3	
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

CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes
HEA 110/PED 110/Other Elective	Wellness	C4	3	
MAT 271/Other Elective	MATH 153		4	Required
Social Science (Global Perspective)	World Cultures	P6	3	
Gen. Ed/UGETC Elective		C5	3	different science if not earning AA
Total Credit Hours			13	

4th Semester Spring

CC Course	WCU Course Equivalent	LS Cat.	Credit Hours	Required/Notes
Social/Behavioral Sciences	Social Sciences	P1	3	
MAT 272/Other Elective	MATH 255		4	Required
Other Elective	Elective		3	
Gen. Ed/UGETC Elective		P5	3	Fine & Performing Arts if not earning AA
Total Credit Hours			13	

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UGETC=purple shading Gen. Ed.=beige shading Other required hours=blue shading

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
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		16-17		Total Credit Hours		15-18	

Senior/Fourth Year

7th Semester	Fall			8th Semester	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		14-15		Total Credit Hours		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.

https://www.wcu.edu/learn/programs/mathematics/index.aspx

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Gen. Ed.=beige shading

Other required hours=blue shading