

Curriculum Guide for AA to B.S.Ed. Mathematics 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		COM 231	COMM 201	C3	3	Preferred
History	History	P3	3	Preferred	Humanities/Fine Arts	Humanities	P4	3	
Humanities/Fine Arts	Fine & Performing Arts	P5	3		Social/Behavioral Sciences	Social Sciences	P1	3	
Natural Science	Physical & Biological Sciences	C5	4		MAT 172	MATH 145		4	
ACA 122	USI 130		1						
Total Credit Hours					Total Credit Hours				
18					16				

*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
Social/Behavioral Sciences	Social Sciences	P1	3		Natural Science	Physical & Biological Sciences	C5	4	
EDU 216	EDCI 201		3	Required	Other Elective			3	
MAT 271	MATH 153		4	Required	MAT 272	MATH 255		4	Required
Social Science (Global Perspective)	World Cultures	P6	3		HEA 110/PED 110/Other Elective	Wellness	C4	3	
Total Credit Hours					Total Credit Hours				
13					14				

Please see website for admission criteria: <http://www.wcu.edu/academics/departments-schools-colleges/CEAP/ceap-depts/teacher-education/future-teachers/teacher-education-application/admission-to-teacher-education.asp>

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 361	Abstract Algebra I	3	
MATH 256	Calculus III	4		MATH 310	Discrete Structures	3	
MATH 300	Problem Solving	3		MATH 400	History of Mathematics	3	
PSY 323	Psychology Applied to Learning and Teaching	3		MATH 362	Linear Algebra I	3	
SPED 339	Designing Classrooms as Responsive Learning Communities	3		MATH 414	Intro to Secondary Math Teaching Methods	3	
MATH 270	Statistical Methods I	3		MATH 340	Intro to Scientific Computing	3	
Total Credit Hours		19		Total Credit Hours		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 411	Foundations in Geometry	3		EDSE 495	Seminar	3	
MATH 415	Methods and Materials for Teaching Math in Secondary	3		MATH 491	Supervised Student Teaching in Math	3	
MATH 479	Capstone	2		ESDE 485/490	Internship II	6	
Math Elective		3					
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EDSE 484	Supervised Internship I	1 to 3					
Total Credit Hours		15-17		Total Credit Hours		12	

Total Credit Hours 125-127

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/mathbsed.asp>