

**BACHELOR OF ARTS
EDUCATION
MATHEMATICS (5-Adult)**

Candidates may wish to combine this specialization with another (5-9), (9-Adult), (5-Adult) or (PreK-Adult) specialization.

GSU 100 The First Year Experience

0 hour

All degree seeking students are required to take GSU 100 during their first semester.

General Education Requirements

30 hours

Students must take CART 101 and MATH 110 as part of the General Education requirements.

Content Specialization Courses

35 hours

MATH	110	The Nature of Math	4
MATH	201*	Introduction to Mathematical Reasoning and Proofs	3
MATH	202	Calculus I	4
MATH	207	Calculus II	4
MATH	230	Euclidean Geometry for College Students	3
MATH	256	Probability and Statistics I	3
MATH	265	Mathematical Topics for Teaching	3
Mathematical Restricted Electives (select from the following)			15
	MATH 303	Modern Algebra	3
	MATH 308	Calculus III	4
	MATH 315	Linear Algebra	3
	MATH 321	History of Mathematics	3
	MATH 330	Discrete Mathematics	3
	MATH 356	Probability & Statistics II	3
	MATH 408	Differential Equations	3
	MATH 421	Introduction to Topology	3
	MATH 431	Introduction to Numerical Methods	3

*MATH 115 and MATH 120 or MATH 125 may be required as a prerequisite(s) if candidates do not have an ACT Math score of 26 or above or SAT Math score of 610 or above. Those can be counted as general electives if any is taken.

Professional Education

27 hours

CART	101	Introduction to Public Speaking	
CSCI	267	Computer Skills for Education	3
EDSP	220	Introduction to Educating Exceptional and Culturally Diverse Students	3
EDSP	334	Strategies for Educating Exceptional and Culturally Diverse Students	3
EDUC	203	Foundations of Education	3
EDUC	205	Educational Psychology	3
EDUC	310	Classroom Management and Teaching Strategies	3
EDUC	343	Teaching Mathematics in Middle and Adolescent Education (5-Adult)	3
EDUC	412	Curriculum and Assessment: Content (5-Adult)	2
PED	201	First Aid and Safety	1
READ	317	Teaching Reading in Middle and Adolescent Education	3

Residency

18 hours

EDUC	470	Residency I	6
EDUC	480	Residency II	11
EDUC	493	Capstone Assessment	1

(continued on next page)

General Electives **10 hours**

Total minimum hours required for degree **120 hours**

In order to be officially and fully admitted to Teacher Education, ALL teacher candidates must meet and pass all sections of PRAXIS I (CORE) – Reading, Writing, and Math OR meet the WVDE approved exemptions for CORE. It is critical that teacher candidates check their Degree Works audit and speak with their academic advisors to see if they meet CORE exemptions.

GATEWAY ASSESSMENT – ADMISSION TO TEACHER EDUCATION

CAPSTONE ASSESSMENT – EDUC 493

**BA: EDUCATION
MATHEMATICS (5-Adult)
SUGGESTED PLAN OF STUDY**

This plan of study is intended for students with an ACT Math score 24 or above or SAT Math score 590 or above. Other students should consult their advisor for a revised plan of study.

FIRST YEAR

CART 101.....	3	CSCI 267	3
EDUC 203	3	EDUC 205	3
ENGL 101.....	3	MATH 201.....	3
GSU 100.....	0	MATH 202.....	4
HIST 201, 202, 207, 208 (OR) POSC 203	3	MATH 230.....	3
MATH 110 (OR) MATH 256	3	PED 201	1
Total Hours - Fall Semester	15	Total Hours - Spring Semester	17

SECOND YEAR

EDSP 220	3	ECON 201, ECON 202, GEOG 203, PSYC 201 (OR) SOCS 225	3
ENGL 102.....	3	ENGL 203, 204, 205 (OR) 206	3
MATH 207.....	4	ENVR 101, SCNC 101, 102 (OR) 103	4
MATH 110 (OR) MATH 256	3	GENERAL ELECTIVE	2
RESTRICTED ELECTIVE	3	RESTRICTED ELECTIVE	3
Total Hours - Fall Semester	16	Total Hours - Spring Semester	15

THIRD YEAR

ART 200 (OR) MUSC 200	2	EDUC 412	2
EDUC 310	3	HIST 201, 202, 207, 208 (OR) POSC 203	3
EDUC 343	3	GENERAL ELECTIVES	3
MATH 265.....	3	RESTRICTED ELECTIVE	6
GENERAL ELECTIVE	3	Total Hours - Spring Semester	14
RESTRICTED ELECTIVE	3		
Total Hours - Fall Semester	17		

**Attempt PRAXIS II Exam(s) prior to
Residency I**

FOURTH YEAR

EDSP 334	3	EDUC 480*	11
EDUC 470	6	EDUC 493	1
READ 317	3	Total Hours - Spring Semester	12
Total Hours - Fall Semester	12		

***RESIDENTS MAY NOT ENROLL IN ANY
OTHER COURSES (except EDUC 493).
PRAXIS II exam(s) must be passed before
entering Residency II.**