

# SECONDARY EDUCATION MATHEMATICS 5-ADULT

## REQUIREMENTS

**CORE CURRICULUM** The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at [marshall.edu/gened](http://marshall.edu/gened).

### CORE 1: CRITICAL THINKING

CODE	COURSE NAME	HRS	GRADE
FYS 100	First Year Seminar	3	_____
MTH 229	Critical Thinking Course	3	_____
_____	Critical Thinking Course	3	_____

#### Additional University Requirements

_____	Writing Intensive	3	_____
_____	Writing Intensive	3	_____
_____	Multicultural or International	3	_____
MTH 491	Capstone	2	_____

### CORE 2:

CODE	COURSE NAME	HRS	GRADE
ENG 101	Beginning Composition	3	_____
ENG 201	Advanced Composition	3	_____
CMM 103	Fund Speech-Communication	3	_____
MTH 229	Calculus/Analytic Geom I (CT)	5	_____
_____	Core II Physical or Natural Science	4	_____
_____	Core II Humanities	3	_____
_____	Core II Social Science	3	_____
_____	Core II Fine Arts	3	_____

## TEACHING SPECIALIZATION

All Mathematics 5-Adult majors are required to take the following courses:

CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
MTH 229	Calculus/Analytic Geom I (CT)	5	_____	STA 446	Probability & Statistics II	3	_____
MTH 230	Calculus/Analytic Geometry II	4	_____	MTH 448	Modern Geometries	3	_____
MTH 231	Calculus/Analytic Geometry III	4	_____	MTH 449	Projective Geometry	3	_____
MTH 300	Intro to Higher Math	4	_____	MTH 450	Modern Algebra I	3	_____
MTH 331	Linear Algebra	3	_____	MTH 491	Senior Seminar	2	_____
MTH 404	Math Methods and Materials	3	_____	_____	Free Elective	3	_____
MTH 405	History of Mathematics	3	_____	_____	Free Elective	2	_____
MTH 440	Graph Th and Combinatorics	3	_____				
STA 445	Probability & Statistics I	3	_____				

## PROFESSIONAL EDUCATION CORE

Students who wish to major in Mathematics 5-Adult must take the following Professional Education Core courses:

CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
EDF 201	Ed Psych Developing Learner	3	_____	CI 402	Teaching Middle Childhood Learners	3	_____
EDF 270	Level I Clinical Exp	0	_____	CI 449	Instr & Clarm Mgt Sec Ed	3	_____
CISP 421	Child with Exceptionalities	3	_____	CISP 422	Differentiate Instruction	3	_____
EDF 435	Classroom Assessment	3	_____	CI 470	Level II Clinical Exp	0	_____
EDF 475	Schools in a Diverse Society	3	_____	CI 450	Student Teaching Capstone	12	_____
CI 345	Crit Read Writ & Thinking	3	_____				

## MAJOR INFORMATION

Admission requirements for ADMI 4:

- Grade Point Average of 2.80 or higher (both MU and overall),
- EDF 201 (grade "C" or better) and EDF 270 (credit),
- Passing scores on the PRAXIS Core exam – all 3 areas (EXEMPT from PRAXIS Core exam with SAT 1240 or ACT composite 26 or higher),
- Portfolio in LiveText which includes: Self-Assessment, Writing Sample and three Recommendations,
- 21 ACT composite score,
- MU students: Completion of 26 credits hours,
- Transfer students: Completion of 12 Marshall University credit hours

Admission requirements for ADMI 5:

- 12 hours of completed Professional Education Core courses,
- 2.8 GPA overall, at MU, and in Teaching Specialization,
- 3.0 GPA in Professional Education Core

Admission requirements for Student Teaching:

- At least 90% of Teaching Specialization courses completed,
- Minimum of 100 credit hours completed,
- 2.8 GPA overall, at MU, and in Teaching Specialization,
- 3.0 GPA in Professional Education Core,
- Completion of

all Professional Education Core Courses (with the exception of EDF 475)

- Many courses require clinical experience in public school during normal school hours. Schedule open time accordingly.
- STUDENTS SHOULD MONITOR THEIR PROGRAM OF STUDY CAREFULLY DUE TO ONGOING CURRICULAR CHANGES.
- ALL coursework in Teaching Specialization and Professional Education Core must be completed with a grade of C or better.
- West Virginia law mandates that all persons entering a school or having contact with students must have completed a background check and have not been found on the sexual offender registry prior to entering a school. Each county and school can also use the results of that background check as a basis for admitting or denying admittance. It is the procedure of the Marshall University College of Education and Professional Development that every student will obtain a background check prior to being placed in a school setting.

Area of Emphasis

Major Requirement

College Requirement

General Education Requirement

Milestone Course: This is a key success marker for your major. See your advisor to discuss importance of this course in your plan of study.

# SECONDARY EDUCATION MATHEMATICS 5-ADULT

The College of Education and Professional Development has the distinction of being the oldest part of Marshall University. The CIF (Curriculum, Instruction, & Foundations) program includes elementary, secondary, educational foundations, and educational computing for pre-service teachers. The secondary programs are designed for those wanting to teach content to middle school and/or high school students. The educational foundations and computing courses are designed for those entering the education field. Students receive broad content knowledge in the core academic area of choice as well as in the art and science of teaching children.

	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
YEAR ONE	MTH 229	Calculus/Analytic Geom I (CT)	5	_____	MTH 230	Calculus/Analytic Geometry II	4	_____
	CMM 103	Fund Speech Communication	3	_____	ENG 201	Advanced Composition	3	_____
	ENG 101	Beginning Composition	3	_____	_____	Multicultural or International	3	_____
	FYS 100	First Yr Sem Critical Thinking	3	_____	_____	Core II Physical or Natural Science	4	_____
	_____	Core II Fine Arts	3	_____	_____	Core II Social Science (M/I)	3	_____
	UNI 100	Freshman First Class	1	_____				
	<b>TOTAL HOURS</b>		<b>18</b>		<b>TOTAL HOURS</b>		<b>17</b>	

Summer Term (optional):

	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
YEAR TWO	EDF 201	Ed Psych Developing Learner	3	_____	CI 345	Crit Read Writ & Thinking	3	_____
	EDF 270	Level I Clinical Exp	0	_____	CISP 421	Child with Exceptionalities	3	_____
	MTH 231	Calculus/Analytic Geometry III	4	_____	MTH 331	Linear Algebra	4	_____
	MTH 300	Intro to Higher Math	4	_____	ENG ____	Any 200 Level Core II Humanities (WI)	3	_____
	_____	Free Elective	3	_____	MTH 405	History of Mathematics (odd years only)	3	_____
		<b>TOTAL HOURS</b>		<b>14</b>		<b>TOTAL HOURS</b>		<b>16</b>

Summer Term (optional):

	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
YEAR THREE	CISP 422	Differentiate Instruction	3	_____	CI 449	Instr & Classroom Mgt Sec Ed	3	_____
	MTH 440	Graph Th and Combinatorics	3	_____	CI 470	Level II Clinical Exp	0	_____
	STA 445	Probability & Statistics I	3	_____	MTH 404	Math Methods & Materials	3	_____
	MTH 448	Modern Geometries	3	_____	STA 446	Probability & Statistics II	3	_____
	_____	Any CT course designated (WI)	3	_____	MTH 449	Projective Geometry	3	_____
		<b>TOTAL HOURS</b>		<b>15</b>		<b>TOTAL HOURS</b>		<b>14</b>

Summer Term (optional):

	FALL SEMESTER				SPRING SEMESTER			
	CODE	COURSE NAME	HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
YEAR FOUR	CI 402	Teaching Middle Childhood Learners	3	_____	CI 450	Student Teaching Capstone	12	_____
	EDF 435	Classroom Assessment	3	_____				
	EDF 475	Schools in a Diverse Society	3	_____				
	MTH 450	Modern Algebra I	3	_____				
	MTH 491	Senior Seminar	2	_____				
	<b>TOTAL HOURS</b>		<b>14</b>		<b>TOTAL HOURS</b>		<b>12</b>	

Summer Term (optional):

Area of Emphasis

Major Requirement

College Requirement

General Education Requirement

Milestone Course: This is a key success marker for your major. See your advisor to discuss importance of this course in your plan of study.