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.

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

CODE	COURSE NAME	HRS	GRADE
_____	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
MTH 229	Calculus/Analytic Geom I (CT)	●◆	5	_____
MTH 230	Calculus/Analytic Geometry II	◆	4	_____
MTH 231	Calculus/Analytic Geometry III	◆	4	_____
MTH 300	Intro to Higher Math	◆	4	_____
MTH 331	Linear Algebra	◆	3	_____
MTH 404	Math Methods and Materials	◆	3	_____
MTH 405	History of Mathematics	◆	3	_____
MTH 440	Graph Th and Combinatorics	◆	3	_____
STA 445	Probability & Statistics I	◆	3	_____

CODE	COURSE NAME		HRS	GRADE
STA 446	Probability & Statistics II	◆	3	_____
MTH 448	Modern Geometries	◆	3	_____
MTH 449	Projective Geometry	◆	3	_____
MTH 450	Modern Algebra I	◆	3	_____
MTH 491	Senior Seminar	◆	2	_____
_____	Free Elective		3	_____
_____	Free Elective		2	_____

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
EDF 201	Ed Psych Developing Learner	◆	3	_____
CISP 421	Child with Exceptionalities	◆	3	_____
EDF 435	Classroom Assessment	◆	3	_____
EDF 475	Schools in a Diverse Society	◆	3	_____
CI 345	Crit Read Writ & Thinking	◆	3	_____
CI 402	Teaching Middle Childhood Learners	◆	3	_____
CI 449	Instr & Clarm Mgt Sec Ed	◆	3	_____

CODE	COURSE NAME		HRS	GRADE
CISP 422	Differentiate Instruction	◆	3	_____
CI 470	Residency I	◆	0	_____
CI 451	Residency II - Secondary	◆	12	_____
EDF 200	Pre-Residency Clinical	◆	0	_____
EDF 200	Pre-Residency Clinical	◆	0	_____
EDF 200	Pre-Residency Clinical	◆	0	_____
EDF 200	Pre-Residency Clinical	◆	0	_____

MAJOR INFORMATION

Admission requirements for ADMI 4:
1. Grade Point Average of 2.80 or higher (both MU and overall), 2. EDF 201 (grade "C" or better) and EDF 200 (credit), 3. Passing scores on the PRAXIS Core exam – all 3 areas (EXEMPT from PRAXIS Core exam with SAT 1240 or ACT composite 26 or higher), 4. Portfolio in LiveText which includes: Self-Assessment, Writing Sample and three Recommendations, 5. 21 ACT composite score, 6. MU students: Completion of 26 credits hours, 7. Transfer students: Completion of 12 Marshall University credit hours

Admission requirements for ADMI 5:
1. 12 hours of completed Professional Education Core courses, 2. 2.8 GPA overall, at MU, and in Teaching Specialization, 3. 3.0 GPA in Professional Education Core

Admission requirements for Residency II:
1. 2.8 GPA overall, at MU, and in Teaching Specialization, 2. 3.0 GPA in Professional Education Core.

- 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.

Legend: ◆ 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.

YEAR ONE

FALL SEMESTER					SPRING SEMESTER			
CODE	COURSE NAME		HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
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	_____				
TOTAL HOURS			**18**		**TOTAL HOURS**		**17**	

Summer Term (optional):

YEAR TWO

FALL SEMESTER					SPRING SEMESTER			
CODE	COURSE NAME		HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
EDF 201	Ed Psych Developing Learner	◆	3	_____	CI 345	Crit Read Writ & Thinking ◆	3	_____
EDF 200	Pre-Residency Clinical	◆	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	_____	EDF 200	Pre-Residency Clinical ◆	0	_____
					MTH 405	History of Mathematics (odd years only) ◆	3	_____
TOTAL HOURS			**14**		**TOTAL HOURS**		**16**	

Summer Term (optional):

YEAR THREE

FALL SEMESTER					SPRING SEMESTER			
CODE	COURSE NAME		HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
CISP 422	Differentiate Instruction	◆	3	_____	CI 449	Instr & Classroom Mgt Sec Ed ◆	3	_____
MTH 440	Graph Th and Combinatorics	◆	3	_____	CI 470	Residency I ◆	0	_____
STA 445	Probability & Statistics I	◆	3	_____	MTH 404	Math Methods & Materials ◆	3	_____
MTH 448	Modern Geometries	◆	3	_____	STA 446	Probability & Statistics II ◆	3	_____
EDF 200	Pre-Residency Clinical	◆	0	_____	MTH 449	Projective Geometry ◆	3	_____
_____	Any CT course designated (WI)	●	3	_____	EDF 200	Pre-Residency Clinical ◆	0	_____
					_____	Free Elective	2	_____
TOTAL HOURS			**15**		**TOTAL HOURS**		**14**	

Summer Term (optional):

YEAR FOUR

FALL SEMESTER					SPRING SEMESTER			
CODE	COURSE NAME		HRS	GRADE	CODE	COURSE NAME	HRS	GRADE
CI 402	Teaching Middle Childhood Learners	◆	3	_____	CI 451	Residency II - Secondary ◆	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	_____				
TOTAL HOURS			**14**		**TOTAL HOURS**		**12**	

Summer Term (optional):

Legend: ◆ 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.

MATHEMATICS 5-ADULT — 2024-2025

INVOLVEMENT OPPORTUNITIES

- Student Government Association
- Campus Activity Board
- JMELI
- Commuter Student Advisory Board
- Club Sports
- Religious Organizations
- Political Organizations
- Residence Hall Association
- Cultural Organizations
- National Society of Leadership and Success
- Greek Life

RELATED MAJORS

- Finance
- Accounting
- Mathematics
- Economics
- Engineering
- Statistics
- Applied Mathematics
- Physics

GRADUATION REQUIREMENTS

- Have a minimum of 120 credit hours (some colleges or majors require more);
- Have an overall and Marshall Grade Point Average of 2.00 or higher;
- Have an overall Grade Point Average of 2.00 or higher in the major area of study;
- Have earned a grade of C or better in English 201 or 201 H;
- Have met all major(s) and college requirements;
- Have met the requirements of the Core Curriculum;
- Have met the residence requirements of Marshall University, including 12 hours of 300/400 level coursework in the student's college (see section entitled "Residence Requirements" in the undergraduate catalogue);
- Be enrolled at Marshall at least one semester of the senior year;
- Have transferred no more than 72 credit hours from an accredited West Virginia two-year institution of higher education.

Colleges and specific programs may have unique requirements that are more stringent than those noted above. Students are responsible for staying informed about and ensuring that they meet the requirements for graduation.

This academic map is to be used as a guide in planning your coursework toward a degree. Due to the complexities of degree programs, it is unfortunate but inevitable that an error may occur in the creation of this document. The official source of degree requirements at Marshall University is DegreeWorks available in your myMU portal. Always consult regularly with your advisor.

YEAR ONE

Have questions? Need to talk? You already have a Friend-At-Marshall ready to help you succeed. Find your FAM Peer Mentor here: www.marshall.edu/fam

Take a career self-assessment to help determine what majors fit your talents and interests and consider job shadowing opportunities.

Join or create a club or organization on campus about a particular issue you care about. Marshall has more than 200 student organizations.

Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.

In order to graduate on time, you need to take an average of 15 credits per semester. Are you on track? Take 15 to Finish!

Volunteer in local museums, non-profit agencies, dog shelters, hospitals, libraries, festivals, or women's shelters.

Sign up for Handshake! Handshake is the #1 place to launch a career with no connections, experience, or luck required. The platform connects up-and-coming talent with 650,000+ employers.

YEAR TWO

Are you completing enough credits to graduate on time? Dropping or failing a class can put you behind. Use summer terms to quickly get back on track.

Develop relationships with professors who can serve as future references by attending their office hours.

Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.

Attend civic meetings, such as the school board, neighborhood associations, city council, or important state legislative sessions.

Take a pulse check. Know what you need to do every year to keep your grants, scholarships, or federal financial aid.

Plan on taking the Praxis Core Exam and completing the ADMI 4 Portfolio in LiveText.

Observe in a P-12 Classroom (Complete Level I Clinical Experience).

YEAR THREE

Develop relationships with professors who can serve as future references by attending their office hours.

Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.

Work with a faculty mentor to determine what professional certifications are available to assist you in meeting your career goals.

Take a pulse check. Know what you need to do every year to keep your grants, scholarships, or federal financial aid.

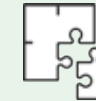Are you on track to graduate? Meet with your advisor for your Junior Eval to make sure you know what requirements you have left.

Apply theory to practice (Complete Level II Clinical Experience).

Inquire about available Teacher-In-Residence opportunities.

YEAR FOUR

This is it! Are you on track to graduate? Meet with your advisor for your Senior Eval to see what requirements you have left.

Integrate knowledge, skills, and dispositions during the Student Teaching internship.

Strengthen your resume and enhance your presentation skills. Present what you've learned at an academic conference off campus.

Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.

Networking is key! Attend a Career Expo to seek employment opportunities and network with employers in your field.

Want to continue your education and increase your opportunities? Talk to a faculty member about whether graduate school fits your career goals.

Be at the top of your professional game! Prepare a final resume and practice your interview skills with a career coach in Career Education.

TRANSFERABLE SKILLS ASSOCIATED WITH THIS MAJOR

- Mathematical Reasoning Skills
- STEM Instruction
- Instructional and Curriculum Development Skills
- Communication Skills

ASSOCIATED CAREERS

- Middle/High School Mathematics Teacher
- Private Tutor
- Adult Education Instructor
- School Administrator

MARSHALL

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