

B.S. in Middle Grades Education

Mathematics Endorsement Course Checklist

Catalog Year 2024-2025

Pedagogical Knowledge & Pedagogical Content Knowledge Requirements

Courses Required for Teacher Education Admission: Grade of "C" or higher required in each course

Requirement	Course	Course Title	Credits	Pre/Co-Requisites/Notes	Semester Offered
<input type="checkbox"/>	EDUC 200 ¹	Foundations of Education in the United States	3		FA/SP/SU
<input type="checkbox"/>	PSYC 160 ¹	Life Span Human Development	3	C5SD	FA/SP/SU
<input type="checkbox"/>	WRTC 103	Rhetorical Reading and Writing	3	CIW	FA/SP/SU

Middle Grades Education Major Coursework: Grades of "B-" or higher required in all courses unless otherwise indicated.

Requirement	Course	Course Title	Credits	Pre/Co-Requisites/Notes	Semester Offered
<input type="checkbox"/>	EDUC 200 ¹	Foundations of Education in the United States	3	Required for Teacher Education admission; grade of "C" or higher	FA/SP/SU
<input type="checkbox"/> VDOE: Literacy	LED 212	Found. of Literacy for Middle School Teachers	3	C: MIED 211	FA
<input type="checkbox"/>	MIED 211	Field Experience in Middle Education	3	C: LED 212	FA
<input type="checkbox"/>	MSSE 210 ¹	Diversity in Middle/Secondary Grades	3		FA/SP
<input type="checkbox"/>	MSSE 370 ¹³	Gen. Instructional Methods for Grades 6-12	3	P: LED 212, MIED 211; C: MSSE 371	FA/SP
<input type="checkbox"/>	MSSE 371 ¹³	Clinical Experience in Adolescent Education	1	P: LED 212, MIED 211; C: MSSE 370	FA/SP
<input type="checkbox"/> Middle School Teaching	MSSE 413 ¹³⁴	Math. Teaching Methods, Grades 6-8	3	C: MSSE 415	SP
<input type="checkbox"/> Methods and Practicum	MSSE 415 ¹³⁴	Content Area Field Exp. in Middle Schools	3	C: MSSE 413	FA/SP
<input type="checkbox"/> VDOE: Content Area Lit.	LED 440 ¹³⁴	Disciplinary Literacy in Secondary Educ.	3	P: EDUC 310, LED 212, MIED 211	FA/SP/SU
<input type="checkbox"/> VDOE: Assessment	MSSE 425 ¹³⁴	Assessment in Middle & Secondary Educ.	3	Rec. fall senior year	FA/SP
<input type="checkbox"/> VDOE: Behav. Manag.	MSSE 403 ¹³⁴	Behavior & Classroom Management...	3	Rec. fall senior year	FA/SP
<input type="checkbox"/>	MSSE 420 ¹³⁴	Differentiation for Adolescents	3		FA
<input type="checkbox"/>	MSSE 450 ¹³⁴	Internship Seminar	2	C: MSSE 465 or MSSE 475	FA/SP
<input type="checkbox"/> Student Teaching	MSSE 465 ¹³⁴	Internship in Middle School	8	C: MSSE 450	FA/SP
<input type="checkbox"/> Pedagogy/Literature	MSSE 455 ¹³	Special Topics in Pedagogical Content Knowledge	3		FA/SP

¹Middle Grades Education major declared & approved

²Application to the Teacher Education Program required

³Admission to the Teacher Education Program required

⁴Completion of MSSE 370

College of Education Department of Middle, Secondary, and Mathematics Education

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This document is provided as an advising resource only. Official curriculum requirements are listed in the JMU Undergraduate Catalog. In the case of discrepancies, the University Catalog is the official curriculum students must follow. This document was reviewed by the Middle, Secondary, and Mathematics Education Academic Unit Head on June 1, 2024.

Mandatory Tasks:

- Be admitted to the Teacher Education Program before you enroll in MSSE 370 and MSSE 371.
- Attend a Student Teaching Information Meeting in the Fall of your junior year and apply to Student Teaching by October 31 of your junior year.
- Attempt your Praxis Subject Assessment no later than March 1 of your junior year and pass it no later than August 15 before your senior year. You will not be permitted to student teach until you have a passing score on your Praxis Subject Assessment.

B.S. Degree Requirements (6 credits)

Requirement	Course Number	Course Name	Credits	Pre/Co-Requisites/Notes	Semester Offered
<input type="checkbox"/> Scientific Literacy			3	Recommend ISCI 173.	FA/SP/SU
<input type="checkbox"/> Quantitative Reasoning	MATH 210	Mathematics for Elementary and Middle School Teachers II	4	"C-" or higher in MATH 110	FA/SP/SU

Math Content Knowledge Licensure Requirements...

...as they fit with the JMU Mathematics for Elementary and Middle Grades Teachers minor.

Requirement	Course	Course Title	Credits	Pre/Co-Requisites/Notes	Semester Offered
Must earn a minimum of 18 credit hours with at least 6 credit hours from JMU Department of Mathematics and Statistics.					
<input type="checkbox"/>	MATH 110	Mathematics for Elementary and Middle School Teachers I	4		FA/SP
<input type="checkbox"/>	MATH 111	Mathematics Seminar for Elementary and Middle School Teachers	1	P: "C-" or higher in MATH 110	FA/SP
<input type="checkbox"/>	MATH 210	Mathematics for Elementary and Middle School Teachers II	4	P: "C-" or higher in MATH 110	FA/SP
<input type="checkbox"/>	VDOE: Algebra	MATH 304 Principles of Algebra	3	P: "C-" or higher in MATH 210	Alt. FA/SP with MATH 307
<input type="checkbox"/>	VDOE: Geometry	MATH 305 Principles of Geometry	3	P: "C-" or higher in MATH 210	Every fall
<input type="checkbox"/>	VDOE: Prob. & Stats.	MATH 307 Principles of Probability and Statistics	3	P: "C-" or higher in MATH 210	Alt. FA/SP with MATH 304

The MSME Department recommends students meet with their Mathematics for Elementary and Middle Grades Teachers minor advisor each semester to review program sequencing and determine possible substitute courses to meet program and license requirements.

General Education Requirements

Be sure to follow the General Education course suggestions listed below for maximum overlap of the General Education Program with your Middle Grades Education major and Math for Middle Grades Teachers minor.

Requirement	Course	Course Title	Credits	Pre/Co-Requisites/Notes	Semester Offered
MADISON FOUNDATIONS					
<input type="checkbox"/>		Critical Thinking (C1CT)	3	Choose any option from the General Education Planner.	FA/SP/SU
<input type="checkbox"/>		Human Communication (C1HC)	3		
<input type="checkbox"/>	WRTC 103	Rhetorical Reading and Writing	3		Must earn a C or higher.
ARTS AND HUMANITIES					
<input type="checkbox"/>		Human Questions and Contexts (C2HQC)	3	Recommend HIST 101 or HIST 102.	FA/SP/SU
<input type="checkbox"/>		Visual and Performing Arts (C2VPA)	3	Choose any option from the General Education Planner.	FA/SP/SU
<input type="checkbox"/>		Literature (C2L)	3	Recommend ENG 221 or ENG 222.	FA/SP/SU
THE NATURAL WORLD					
<input type="checkbox"/>	MATH 110	Mathematics for Elementary and Middle School Teachers I	4		FA/SP/SU
<input type="checkbox"/>		Physical Principles (C3PP)	3	Recommend ISCI 172.	FA/SP/SU
<input type="checkbox"/>		Natural Systems (C3NS)	3	Recommend ISCI 171.	FA/SP/SU
<input type="checkbox"/>		Lab Experience (C3Lab)	1	Recommend ISCI 104.	FA/SP/SU
AMERICAN AND GLOBAL PERSPECTIVES					
<input type="checkbox"/>		The American Experience (C4AE)	4	Recommend HIST 225.	FA/SP/SU
<input type="checkbox"/>		The Global Experience (C4GE)	3	Choose any option from the General Education Planner.	FA/SP/SU
SOCIOCULTURAL AND WELLNESS AREA					
<input type="checkbox"/>		Wellness Domain (C5WD)	3	Choose any option from the General Education Planner.	FA/SP/SU
<input type="checkbox"/>	PSYC 160	Life Span Human Development	3	Must earn a C or higher.	FA/SP/SU