

# MATHEMATICS/ SECONDARY MIDDLE LEVEL ENDORSEMENT/MINOR

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Completion of this minor, the General Degree Completion Requirements for Education, Secondary, and a major field of study satisfies the state requirements for a middle level mathematics teaching endorsement (grade levels 4–9).

This minor can be completed for an add-on Middle Level Mathematics Endorsement.

The completion of MATH 211 and MATH 212 satisfies the university Mathematical Reasoning competency/proficiency requirement and the MATH 107 requirement in the secondary education program.

## Notes:

- computer literacy proficiency is required;
- it can be demonstrated by CPLA 100 and CPLA 101 test, by CPLA 100 and CPLA 101 course credits or by CPLA 120 course credits;
- this proficiency must be completed prior to enrollment in MATH 311 .
- effective 09-01-05, all candidates for certification must pass the WEST-E Praxis II subject matter test to receive an endorsement for certification purposes.

## Required Courses

EDUC 417	CULTURE OF MIDDLE SCHOOL	3
MATH 114	ALGEBRA CONCEPTS	5
MATH 211	STRUCTURE OF ELEMENTARY MATH I **	5
MATH 212	STRUCTURE OF ELEMENTARY MATH II **	5
MATH 311	FUNCTIONS AND RELATIONS FOR K-8 TEACHERS	5
MATH 312	GEOMETRY FOR THE K-8 TEACHER	5
MATH 411	DISCRETE MATHEMATICS FOR K-8 TEACHERS	4
MATH 413	DATA ANALYSIS AND PROBABILITY FOR MIDDLE LEVEL TEACHERS	3
MATH 416	CALCULUS FOR MIDDLE LEVEL TEACHERS	4
MATH 420	PROBLEM SOLVING FOR K-8 TEACHERS	4
MTED 390	METHODS OF TEACHING ELEMENTARY SCHOOL MATHEMATICS *	5
MTED 412	ADVANCED METHODS OF TEACHING K-8 MATHEMATICS	5
MTED 490B	SENIOR CAPSTONE: SECONDARY PRACTICUM	5
Total Credits		58