

## Elementary/Middle Math Content Major

Western Michigan University

College of Education and Human Development

**33 Credit Hours** – MTTC Subject Test #89

To complete this major, you must complete the  
2014 Elementary Education admissions and program requirements

### MINIMUM GPA OF 2.5 MUST BE OBTAINED IN MAJOR

NOTES	REQUIRED COURSES	TRAN/SUB/GRADE	CR HR
<i>Part of EL ED</i>	<b>MATH 1500</b> Number Concepts; ( <i>pre-req: MATH 1100/placement</i> ); Requires “B” or better		4
<i>Part of EL ED</i>	<b>MATH 1510</b> Geometry; ( <i>pre-req: MATH 1500</i> ); Requires “B” or better		4
<i>Part of EL ED</i>	<b>MATH 2650</b> Probability & Stats; ( <i>pre-req: MATH 1500</i> ); Requires “B” or better; WES Level I- Quantitative Literacy		4
<i>Part of EL ED</i>	<b>MATH 3520</b> Teaching Math; ( <i>pre-reqs: MATH 1510; 2650</i> ); Requires “B” or better		3
<i>See Elementary Math advisor before taking MATH 5531 &amp; 5540</i>	<b>MATH 5531</b> Number Systems / Proportional Reasoning for Middle Grades Teachers; ( <i>pre-reqs: MATH 1500; 1510; 2650 – all with “B” or better</i> ); Requires “C” or better; ( <b>Fall only</b> )		4
	<b>MATH 5540</b> Functions and Modeling for Middle Grades Teachers; ( <i>pre-reqs: MATH 3520 with “B” or better; 5531 with “C” or better</i> ); Requires “C” or better; ( <b>Spring only</b> )		4
	<b>MATH 5550</b> Fundamentals of Calculus; ( <i>pre-req: MATH 5540 with “C” or better</i> ); ( <b>Fall only</b> )		4
	<b>MATH 5501</b> Teaching Middle School Mathematics; ( <i>pre-req: MATH 5540 with “C” or better</i> ); Requires “C” or better; ( <b>Fall only</b> )		3
	<b>MATH 5511</b> Computing Technology in Middle School Mathematics ( <i>pre-reqs: MATH 5501; 5550 – both with “C” or better</i> ); ( <b>Spring only</b> )		3
<b>Total Major Credits Completed</b>			<b>33</b>