

# Middle School Mathematics Minor

This mathematics minor is intended for those who plan to enter a Graduate Teacher Education Program and be licensed in teaching Middle School Mathematics (grades 5-9). A student must complete a minimum of 35 credits (at least 9 of the upper division credits must be taken in residence at PSU), to include the following:

## REQUIREMENTS

Math 211, 212, 213 Foundations of Elementary Mathematics I, II, III*	<b>12</b>
Math 490 Computing in Mathematics for Middle School Teachers	<b>3</b>
Math 491 Experimental Probability for Middle School Teachers	<b>3</b>
Math 492 Problem Solving for Middle School Teachers	<b>3</b>
Math 493 Geometry for Middle School Teachers	<b>3</b>
Math 494 Arithmetic and Algebraic Structures for Middle School Teachers	<b>3</b>
Math 495 Historical Topics in Mathematics for Middle School Teachers	<b>3</b>
Math 496 Concepts of Calculus for Middle School Teachers	<b>3</b>
Approved elective course (please see the adviser)	<b>2-4</b>
	<b>**TOTAL 35</b>

Only grades of C-, P, or above count toward satisfying the requirements. No more than three courses with a grade of P may be counted toward these requirements.

\*GTEP prerequisite course. Must be graded B- or better.

*\*\*Total may vary depending on the transfer of community college equivalent courses that carry, in some cases, fewer credits. A minimum of 18 credits must be upper-division. Only grades of C- or above may be counted toward these requirements. Students must take all coursework for differentiated grades. At least 16 credits must be in residence at PSU. A minimum cumulative GPA of 2.5 in coursework is required.*

**For more information about the Middle School Mathematics Minor, contact Joe Ediger, [ediger@pdx.edu](mailto:ediger@pdx.edu) or Eva Thanheiser, [evat@pdx.edu](mailto:evat@pdx.edu) 503-725-3628, Fariborz Maseeh Department of Mathematics and Statistics.**

**For more information about the Graduate Teacher Education program go to: [www.pdx.edu/ci/graduate-teacher-education-program-gtep](http://www.pdx.edu/ci/graduate-teacher-education-program-gtep)**