

FOUNDATIONAL MATHEMATICS OPTION

This option is offered within the following major(s):

- Education - College of Education (<http://catalog.oregonstate.edu/college-departments/education/education-ba-bs-hba-hbs>)

This option is for students wanting to earn a bachelor's degree in Education and qualify for an Oregon Teaching License to teach basic mathematics at the middle school (grades 5–9) and only grade 9 in high school.

For more information, contact the College of Education Student Services Advisor, 104 Furman Hall, 541-737-4661.

Option Code: 59

Students must meet all standards in this option by completing the required courses prior to beginning the Professional Level. Note: Most of these courses will also meet requirements in a student's first degree.

Additional option requirements:

- A cumulative 3.0 GPA is preferred for all required courses. Grades below C- are not accepted
- All required courses must be letter graded (A–F); courses graded on Pass/No Credits (P/N) or Satisfactory/Unsatisfactory (S/U) basis are not accepted

Code	Title	Hours
Standard 1. Algebra/Trigonometry		
MTH 112	*ELEMENTARY FUNCTIONS	4
Standard 2. Calculus		
MTH 241	*CALCULUS FOR MANAGEMENT AND SOCIAL SCIENCE	4
or MTH 251	*DIFFERENTIAL CALCULUS	
Standard 3. Foundations of Elementary Mathematics		
MTH 211	*FOUNDATIONS OF ELEMENTARY MATHEMATICS	4
MTH 212 & MTH 390	FOUNDATIONS OF ELEMENTARY MATHEMATICS and FOUNDATIONS OF ELEMENTARY MATHEMATICS	8
Standard 4. Statistics and Probability		
ST 201	PRINCIPLES OF STATISTICS	4
or ST 351	INTRODUCTION TO STATISTICAL METHODS	
Standard 5. Math Electives		
Select at least 6 credits of the following:		6
MTH 245	*MATHEMATICS FOR MANAGEMENT, LIFE, AND SOCIAL SCIENCES	
MTH 252	INTEGRAL CALCULUS	
MTH 341	LINEAR ALGEBRA I	
Any Statistics (ST) Course		
Standard 6. Mathematics Education		
SED 414	INQUIRY IN MATHEMATICS AND MATHEMATICS EDUCATION (Elementary or secondary section)	3
Total Hours		33

* Baccalaureate Core Course (BCC)

^ Writing Intensive Course (WIC)

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