

Mathematics Education

Degree Type

Bachelor of Arts

Objective:

To prepare students to teach content courses in grades 6-12 and meet the requirements for Idaho certification

Administrators: Mathematics and Computer Science and Undergraduate Education Department Chairs

Secondary Program Requirements:

Requirements: 39 credits in professional education **and** endorsement specific requirements:

- Mathematics Endorsement Area - 45 credits
- Mathematics First Endorsement - 33 credits and selection of a second endorsement
- Mathematics Second Endorsement - 22 credits and selection of a first endorsement

Professional Education Core Courses: 39 credits

Item #	Title	Credits
EDUC1100	Introduction to Education	1
EDUC2110	Educational Psychology	3
EDUC2250	Cultural Diversity in Education	2
EDUC2550	Innovative Instruction	3
EDUC2960	Introduction to Instructional Design	1
EDUC3090	Pedagogy of Writing in 6-12 Schools	3
EDUC3150	Education of Exceptional Children	3
EDUC3410	English Language Learners and Content Literacy in Secondary Classrooms	3
EDUC3510	Teaching Methods in Secondary Classrooms	3
EDUC3750	Classroom Management in Secondary Schools	2
	Special methods courses in first and second endorsements or endorsement area	
EDUC3920	Foundations of Education	2
EDUC4850	Secondary School Start-Up	1
	EDUC4860 or EDUC4870	11
EDUC4950	Seminar/Capstone	1

Courses must be taken at Northwest Nazarene University: [EDUC1100](#), [EDUC2550](#), [EDUC2960](#), [EDUC3090](#), [EDUC3410](#), [EDUC3510](#), [EDUC3750](#), [EDUC3920](#), [EDUC4850](#), [EDUC4860](#), [EDUC4870](#), [EDUC4950](#), Special methods courses in first and second endorsements or endorsement area.

Math Endorsement Area

Required Courses: 45 in mathematics of which 25 shall be numbered above 2999, and two credits in secondary methods.

Item #	Title	Credits
MATH2240	Elementary Statistics	3
MATH2310	Discrete Mathematics	3
MATH2510	Calculus I	4
MATH2520	Calculus II	4
MATH3280	Modeling and Operations Research	3
MATH3310	Methods of Proof	3
MATH3320	Linear Algebra	3
MATH3410	Modern Geometry	3
MATH3530	Calculus III	4
EDUC3570	Teaching Mathematics in Secondary Schools	2
MATH4100	History of Mathematics/Capstone	1
MATH4320	Modern Algebra I	4
MATH4510	Real Analysis I	4
	Four (4) mathematics elective credits.	4

Math First Endorsement

Must select a second endorsement. See chart on [Department of Education](#) page.

Required courses: 33 credits of Mathematics, including 31 credits in mathematics of which 17 shall be numbered above 2999, and two credits in secondary methods.

Item #	Title	Credits
MATH2240	Elementary Statistics	3
MATH2310	Discrete Mathematics	3
MATH2510	Calculus I	4
MATH2520	Calculus II	4
MATH3280	Modeling and Operations Research	3
MATH3310	Methods of Proof	3
MATH3320	Linear Algebra	3
MATH3410	Modern Geometry	3
EDUC3570	Teaching Mathematics in Secondary Schools	2
MATH4100	History of Mathematics/Capstone	1
MATH4320	Modern Algebra I	4

Mathematics Second Endorsement

Must select a first endorsement. See chart on [Department of Education](#) page.

Required courses: 22 credits, including 20 credits in mathematics and two credits in secondary methods.

Item #	Title	Credits
MATH2240	Elementary Statistics	3
MATH2310	Discrete Mathematics	3
MATH2510	Calculus I	4
MATH2520	Calculus II	4
MATH3320	Linear Algebra	3
MATH3410	Modern Geometry	3
EDUC3570	Teaching Mathematics in Secondary Schools	2

Program Certification Requirements:

1. Complete all requirements for a baccalaureate degree.
2. Complete a subject endorsement area of at least 45 semester credit hours as recommended by the subject department and approved by the Department of Education, or complete a first endorsement of at least 30 semester credit hours and a second endorsement of at least 20 semester credit hours as recommended by the subject departments and approved by the Department of Education.
3. Complete requirements of the Educator Preparation Program in effect at the time of admission to Educator Preparation as well as any additional requirements if required by changes in the standards of state regulatory agencies.
4. Complete all required education courses in the secondary program with a grade of B- (2.7) or better.
5. Complete all required content courses with a grade of C (2.0) or better.
6. Maintain a 3.0 or better cumulative GPA.
7. Pass the Praxis content test(s) in endorsement area or first and second endorsements.

Total Credits

72-84