Mathematics Certification (7-12)

Students pursuing Mathematics certification (7-12) through a UNH teacher education program should complete a bachelor’s degree (or equivalent) in Mathematics Education. UNH undergraduates may complete the certification requirements in either four or five years. Those electing to complete the four-year baccalaureate program are required to complete one semester of student teaching (EDUC 694) during the senior year. The fifth year option incorporates a full year internship (EDUC 900 & 901) into a master’s degree program.

Math course requirements

MATH 425 Calculus I
MATH 426 Calculus II
MATH 527 Differential Equations with Linear Algebra
MATH 528 Multidimensional Calculus
MATH 531 Mathematical Proof
MATH 539 Introduction to Statistical Analysis
MATH 545 Introduction to Linear Algebra
MATH 624 Analysis of Secondary School Mathematics
MATH 700 Introduction to Mathematics Education

Mathematics Methods course: MATH 709 Teaching of Mathematics 7-12

MATH 760 Geometry
MATH 761 Abstract Algebra
MATH 790 Historical Foundations of Mathematics
MATH 797 Senior Seminar (required for UNH undergraduates only)

Other required course:
CS 410 Introduction to Scientific Programming

Education course requirements

*EDUC 500/935A Exploring Teaching
EDUC 700/800 Educational Structure & Change
EDUC 701/801 Human Development & Learning: Educ Psyc
*EDUC 705/805 Contemporary Educ Perspectives
EDUC 751B/851B Educating Exceptional Learners: Secondary
Math Methods courses listed above
EDUC 694 Supervised Teaching of Mathematics (1 semester student teaching) or EDUC 900A & EDUC 901A Internship & Seminar in Teaching (2 semesters Fall and Spring)
*Indicates course work must be completed before the internship

Any Education course taken for a teacher licensure requirement must be completed with a grade of B- or better. This applies to any courses from other departments that have been designated as equivalent to an Education course.

Degrees (Minimum of 32 Graduate credits)

<table>
<thead>
<tr>
<th>M.Ed.</th>
<th>M.A.T.</th>
</tr>
</thead>
<tbody>
<tr>
<td>In addition to the 12 credit internship, 10 graduate credits must be UNH Education courses. The remaining graduate credits can be in Education, Math or another department.</td>
<td>In addition to the 12 credit internship, three graduate level courses (9-12 credits) must be in Math. The remaining graduate credits can be in Math, Education or another department.</td>
</tr>
</tbody>
</table>

Admission to the M.Ed. or M.A.T. is competitive and requires submission of an application to the UNH Graduate School. This includes official transcripts, scores from the Praxis Core exam, personal statement and three letters of recommendations. Thirty-two (32) Graduate credits are the minimum for either degree.

For questions regarding Math course requirements, contact Professor Sharon McCrone at Sharon.Mccrone@unh.edu
For questions regarding Education course requirements, contact Cindy Glidden at cindy.glidden@unh.edu
Math course requirements for students who have completed a baccalaureate degree at a school other than UNH

Students seeking certification as a teacher of Math (7-12) through the University of New Hampshire are expected to have a major in Math or its equivalent. In order to be certified, they must have completed the following subject area requirements, through undergraduate or graduate coursework.

MATH 425 Calculus I
Equivalent course__________________________________

MATH 426 Calculus II
Equivalent course__________________________________

MATH 527 Differential Equations with Linear Algebra
Equivalent course__________________________________

MATH 528 Multidimensional Calculus
Equivalent course__________________________________

MATH 531 Mathematical Proof
Equivalent course__________________________________

MATH 539 Introduction to Statistical Analysis
Equivalent course__________________________________

MATH 545 Introduction to Linear Algebra
Equivalent course__________________________________

MATH 624 Analysis of Secondary School Mathematics
Equivalent course__________________________________

MATH 700 Introduction to Mathematics Education
Equivalent course__________________________________

MATH 709 The Teaching of Mathematics 7-12
Equivalent course__________________________________

MATH 760 Geometry
Equivalent course__________________________________

MATH 761 Abstract Algebra
Equivalent course__________________________________

MATH 790 Historical Foundations of Mathematics
Equivalent course__________________________________

Other required course:
CS 410 Introduction to Scientific Programming
Equivalent course__________________________________

Revised 3/23/2017