

MATHEMATICS, UPPER LEVEL (TEACHER CERTIFICATION)

<https://cps.unh.edu/online/academics/post-baccalaureate-teacher-certification>

Description

This Post-Baccalaureate Program is for candidates interested in pursuing teacher licensure. The Post-Baccalaureate Teacher Licensure program is designed for 21st Century Educators, providing an in-depth focus on the critical issues that are transforming the landscape of education - innovation, critical thinking, problem solving and collaboration.

Requirements

Minimum GPA requirement of 3.0

Code	Title	Credits
Major in Math Upper Level¹		
<i>Introductory Level Education Courses</i>		
EDC 800	Introduction to Clinical Experience	1
EDC 817	Positive Behavior Guidance and Student Engagement	4
EDC 831	Aspects of Mathematics Learning	4
MTH 801	Probability and Statistics	4
<i>Intermediate Level Education Courses</i>		
MTH 802	Mathematical Proof for Educators	4
MTH 803	Number Systems	4
MTH 804	Geometric Structures for Teachers	4
MTH 805	Calculus I	4
MTH 806	History of Mathematics	4
EDC 832	Reading and Writing in the Mathematics Content Area	4
<i>Advanced Level Education Courses</i>		
MTH 809	Topics in Linear and Abstract Algebra	4
MTH 808	Discrete Mathematics	4
MTH 807	Calculus II	4
EDC 834	Upper Level Mathematics Methods	4
EDC 885	Culminating Teaching Experience and Seminar	4
Total Credits		57

¹ A minimum grade of B- is required in all Major coursework.

State licensure Requirements

The following requirements must be completed in order to be recommended to the state for teacher licensure.

- **Basic Academic Skills Assessment (BASA): Pearson Essential Academic Skills or Praxis Core Academic Skills For Educators Exam** required. Passing BASA Exam scores or current NH teaching certification must be submitted prior to completion of EDC 800 Introduction to Clinical Experience to continue with clinical courses.
- **Licensure Exam-Pearson Mathematics (Secondary) Exam** required. Students must attempt to pass Praxis II exam prior to taking the Culminating Teaching Experience & Seminar. Passing exam scores are required for state certification.

Degree Plan

This degree plan is a sample and does not reflect the impact of transfer credit or current course offerings. UNH CPS Online students should develop individual academic plans with their academic advisor during their first semester at UNH.

Sample Course Sequence

First Year

Fall		Credits
EDC 800	Introduction to Clinical Experience Nonclinical; Complete CHRC Process	1
MTH 801	Probability and Statistics ^{Nonclinical}	4
MTH 802	Mathematical Proof for Educators ^{Nonclinical}	4
Credits		9

Spring

EDC 817	Positive Behavior Guidance and Student Engagement ^{Clinical A}	4
EDC 831	Aspects of Mathematics Learning ^{Clinical A}	4
MTH 803	Number Systems ^{Nonclinical}	4
MTH 804	Geometric Structures for Teachers ^{Nonclinical}	4
Credits		16

Second Year

Fall

EDC 832	Reading and Writing in the Mathematics Content Area ^{Clinical A}	4
EDC 834	Upper Level Mathematics Methods ^{Clinical A}	4
MTH 805	Calculus I ^{Nonclinical}	4
MTH 806	History of Mathematics ^{Nonclinical}	4
Credits		16

Spring

EDC 885	Culminating Teaching Experience and Seminar ^{Clinical A}	4
MTH 808	Discrete Mathematics ^{Nonclinical}	4
MTH 809	Topics in Linear and Abstract Algebra ^{Nonclinical}	4
MTH 807	Calculus II ^{Nonclinical}	4
Credits		16
Total Credits		57

Note: Only 1 Clinical A course allowed per term

Student Learning Outcomes

Program Learning Outcomes Students will:

- Be reflective and knowledgeable about learners and are able to employ instructional methods, strategies and technologies to meet the needs of all students;
- Have a rich understanding of the subject/s that they teach;

- Employ best practices in the planning, delivery and assessment of instruction to improve learning achievement of Pre-K-12 students.

Disclosures

Professional Licensure/Certification Disclosures

The University of New Hampshire offers a number of academic programs designed to lead to professional licensure or certification in New Hampshire. However, completing a UNH degree/program does not guarantee professional licensure or certification. Eligibility may also depend on factors like years of work experience, professional examinations, passing a background check, and other criteria.

UNH does not guarantee that its professional licensure programs will satisfy the criteria of professional licensure boards in other states. Some states maintain different requirements for professional licensure or certification and requirements can change frequently. Federal regulations require the University to make public disclosure of certain information regarding professional licensure or certification programs, regardless of the modality the program is offered (i.e., in-person or online). The University provides guidance below but recommends students contact their state/territory licensing or certification board to ensure a program meets specific state/territory requirements.

Visit the Office of the Registrar's [website](#) for information about whether this program meets professional licensure requirements in your state.