

Goals of the UNCA Teacher Education Program

The Education Department of the University of North Carolina at Asheville has as its primary mission to provide the professional preparation for a North Carolina Standard Professional I Teaching license with a liberal arts foundation. The Department is committed to serving undergraduates who earn the license as they complete their degree at UNCA, and post-baccalaureate students who have decided to become teachers.

Overarching Unit Goals

- Meet national standards for the Unit.
- Ensure the excellence of all licensure programs in the Unit.
- Respond to the needs of the regional and state-wide teaching community.

Unit Goals for Programs

- Meet the state and national standards relevant to the various programs.
- Meet the Unit Goals for candidates through the various programs.

Unit Goals for Candidates

- Demonstrate depth and breadth in subject area content.
- Apply state and national standards in designing, implementing, differentiating, assessing, and reflecting on instruction while effectively utilizing time, materials, and human resources.
- Demonstrate professional dispositions.

Admission Information

All interested persons should apply for admission to UNCA by contacting the Admissions Office, (828) 251-6481 or toll free 1-800-531-9842. Students must meet university admission requirements.

9-12 Mathematic Program

The goal of the 9-12 licensure program in Mathematic is to prepare well-informed, creative, resourceful, and caring teachers who will help students of a wide range of ability levels and from various socio-economic backgrounds to understand and learn mathematics in a meaningful way. More specifically, the programs are designed to help prospective teachers to: (a) identify objectives, materials, tasks/activities, methods, and assessment procedures appropriate to the level of cognitive development, grade, interests, and the needs of the students; (b) motivate students to learn mathematics by using a variety of teaching methods and strategies; (c) use available technology efficiently and appropriately; (d) ascertain how students think about mathematics and use this information to design instruction; (e) conduct classroom research; and (f) become aware of current curricular reforms in mathematics education.

There are two required components to the 9-12 Mathematics Licensure program:

- Bachelor of Arts in Mathematics at UNCA (or its equivalent if transfer or post-baccalaureate).
- Completion of the Education, Psychology, and Mathematic courses outlined in this brochure, and all other Education Department requirements, in accordance with the Policy and Procedures Manual and current UNCA catalog.

Formal Admission to Teacher Education Program

In order to be formally admitted to the UNCA Teacher Education Program, students must

- have earned a 2.5 cumulative grade point average from UNCA or graduating institution.
- have achieved a grade of “C-” or better in Education 310/311 and other Education courses.
- have received acceptable scores established by the NCDPI on the SAT or ACT, or Praxis I Pre-Professional Skills Test (PPST), as required.
- have satisfactory evaluations on disposition checklist and on each of the abilities/characteristics listed on the Department’s Requirements for Licensure contract.

Courses Required for Math (9-12) Licensure*

EDUC 310 Introduction to Education, K-12 (3)
EDUC 311 Technology Lab & Field Placement (1)
EDUC 314 Reading and Writing in the Content Area, 6-12 (3)
EDUC 383 Methods and Management in the Teaching of Math, 6-12 (4)
EDUC 396 Research Methods in Education K-12 (1)
EDUC 455 Student Teaching and Seminar, K-12 (6)
EDUC 496 Directed Research in Education, K-12 (2)

Required Course Work Outside Education

PSYC 101 General Psychology: Brain & Behavioral Processes(3)
Or
PSYC 102 General Psychology: Personality & Social Processes (3)

PSYC 318 Psychology Applied to Teaching (4)

Required Courses in the Major

MATH 191 Calculus I (4)
MATH 192 Calculus II (4)
MATH 251 Discrete Math (3)
MATH 280 Introduction to the Foundations of Mathematics (3)
MATH 291 Calculus III (4)
MATH 332 Geometry (3)
MATH 365 Linear Algebra I (3)
MATH 381 Problems in Mathematics (1)
MATH 461 Abstract Algebra I (3)
MATH 480 Mathematics Seminar (1)
STAT 225 Introduction to Calc-based Statistics (4)

And 6 hours from MATH or STAT (300 level or above)

* See UNCA catalog for pre-requisites

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Required Courses Outside the Major

CSCI 201 Introduction to Algorithm Design (3)

Math Education Advisor at UNCA

Students wishing to be licensed in Math must meet regularly with both their Math and Education advisors. For more information, contact:

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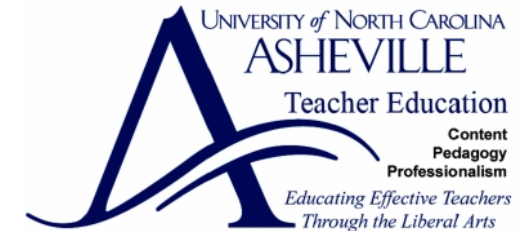
Check out our web site!

<http://www.unca.edu/education>



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Mathematics Licensure Program 9-12



UNCA

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