TEACHER EDUCATION, M. ED.

The M.Ed. in Teacher Education offers 10 concentrations, including seven concentrations that culminate with the development of an Advanced Competencies Portfolio, providing eligibility for candidates to apply for “M” licensure from the North Carolina Department of Public Instruction or preparation for advanced graduate study in educational research or policy. All concentrations and tracks require 33-36 credit hours for the master’s degree.

The program is designed for candidates who already hold the Standard Professional I license or initial license to teach and wish to pursue more advanced study in a field of education.

Field experiences (school-based activities) are required across the curriculum of the M.Ed. programs.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions (https://grs.uncg.edu/prospective/guide/).

In addition to the application materials required by The Graduate School, applicants must submit a personal statement and resume.

Degree Program Requirements

Required: 33-36 credit hours

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TED 545</td>
<td>Human Diversity, Teaching, and Learning Introduction to Equity Education</td>
<td>3</td>
</tr>
<tr>
<td>TED 669</td>
<td>Educational Implications of Learning and Developmental Theory</td>
<td>3</td>
</tr>
<tr>
<td>ERM 605</td>
<td>Educational Measurement and Evaluation</td>
<td>3</td>
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</table>

Concentration Requirements (24-27 credits)

Select one of the following concentrations: 24-27

Elementary Education Concentration

Elementary Mathematics Education Concentration

Elementary Science Education Concentration

The Learning Sciences (Educational Psychology) Concentration

Literacy Education K-12 Concentration

Middle/Secondary English Language Arts Education Concentration

Middle/Secondary Mathematics Education Concentration

Middle/Secondary Science Education Concentration

Middle/Secondary Social Studies Education Concentration

Teaching English to Speakers of Other Languages (TESOL) Concentration

Total Credit Hours 33-36

* Unless otherwise noted. Or approved substitutes.

Advanced Competencies Portfolio and Other Required Culminating Experiences (Capstone Experience)

For some tracks, a technology portfolio and PRAXIS exams are necessary for licensure and graduation, while for others only the Advanced Competencies Portfolio and a possible assessment day are required.

Elementary Education Concentration

Required: 33 credit hours

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<thead>
<tr>
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<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TED 545</td>
<td>Human Diversity, Teaching, and Learning Introduction to Equity Education</td>
<td>9</td>
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</table>

Pedagogical Expertise (18 credits)

Select 18 credits from TED, ELC, LIS, or SES courses 18

Professional Development/Leadership (6 credits)

TED 676 Teacher as Researcher and Leader I 3
TED 677 Teacher as Researcher and Leader II 3
Total Credit Hours 33

Elementary Mathematics Education Concentration

Required: 33 credit hours

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>TED 545</td>
<td>Human Diversity, Teaching, and Learning Introduction to Equity Education</td>
<td>9</td>
</tr>
</tbody>
</table>

Pedagogical Expertise (18 credits)

TED 658 Number Systems and Operations: K-5 Mathematical Tasks 3
TED 659 Rational Numbers and Operations: K-5 Learning Trajectories 3
TED 660 Data Analysis and Measurement: K-5 Classroom Interactions 3
TED 661 Algebraic Reasoning: K-5 Discourse and Questioning 3
TED 662 Geometry and Spatial Visualization: K-5 Assessment 3
TED 663 Mathematical Modeling: K-5 Leadership 3
Total Credit Hours 33

Elementary Science Education Concentration

Required: 30 credit hours

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>TED 646</td>
<td>Introduction to Equity Education</td>
<td>3</td>
</tr>
<tr>
<td>TED 669</td>
<td>Educational Implications of Learning and Developmental Theory</td>
<td>3</td>
</tr>
<tr>
<td>ERM 605</td>
<td>Educational Measurement and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>ERM 604</td>
<td>Methods of Educational Research</td>
<td>3</td>
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</table>

Pedagogical Expertise (15 credits)

TED 632 Science Education: Teaching Practices and Curriculum 3
TED 651 Life Sciences in the Elementary School 3
TED 652 Physical Sciences in the Elementary School 3
TED 653 Earth and Space Sciences in the Elementary School 3
TED 657 Nature of Science, Technology, and Society 3

Professional Development-Leadership (6 credits)
TED 676 Teacher as Researcher and Leader I 3
TED 677 Teacher as Researcher and Leader II 3

Total Credit Hours 30

The Learning Sciences (Educational Psychology) Concentration
Required: 33 credit hours

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Core Courses (9 credits)</td>
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</tr>
<tr>
<td>TED 545</td>
<td>Human Diversity, Teaching, and Learning</td>
<td>3</td>
</tr>
<tr>
<td>or TED 646</td>
<td>Introduction to Equity Education</td>
<td></td>
</tr>
<tr>
<td>TED 669</td>
<td>Educational Implications of Learning and Developmental Theory</td>
<td>3</td>
</tr>
<tr>
<td>ERM 605</td>
<td>Educational Measurement and Evaluation</td>
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<td></td>
<td>Concentration/Expertise (18 credits)</td>
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<td>Select 18 credits *</td>
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</table>

*Selected in collaboration with the advisor to form a coherent program of study in a chosen area of expertise, from among Learning Theory, Motivation, Advanced Pedagogical Expertise, Research, or Policy. Courses are selected from the TED department as well as other departments within the School of Education or other related departments across the university.

**As a capstone experience, students in the Learning Sciences Concentration will choose between a Teacher as Researcher and Leader option or, with advisor approval, students who are interested in exploring a specific research problem in depth may choose to complete a thesis.

Literacy Education K-12 Concentration
Required: 36 credit hours

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<td>Core Courses (9 credits)</td>
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<tr>
<td>ERM 605</td>
<td>Educational Measurement and Evaluation</td>
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</tr>
<tr>
<td></td>
<td>Pedagogical Expertise (18 credits)</td>
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<td>Select 18 credits from the following: 18</td>
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<tr>
<td>TED 590</td>
<td>Community Literacies and Adult Learners</td>
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<tr>
<td>TED 614</td>
<td>Word Study</td>
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<tbody>
<tr>
<td></td>
<td>Core Courses (9 credits)</td>
<td></td>
</tr>
<tr>
<td>TED 626</td>
<td>Middle Grades Curriculum and Instruction</td>
<td>3</td>
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<tr>
<td>TED 628</td>
<td>Trends and Issues in Curriculum and Instruction</td>
<td>3</td>
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<tr>
<td>TED 695</td>
<td>Youth Literacies: Advanced Topics in Education</td>
<td>3</td>
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<tr>
<td></td>
<td>Content Area Specialization Courses (9-10 credits)</td>
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<tr>
<td>TED 645 (COURSE INACTIVE)</td>
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<td></td>
<td>Select one course (3-4 credits) from the following: 2</td>
<td>3-4</td>
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<tr>
<td></td>
<td>1. TED 628 with appropriate topics: Gender and Education, Identity Matters, Youth Literacies.</td>
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<td>2. Or approved substitute.</td>
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<td>3. With consent of advisor.</td>
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Middle/Secondary Mathematics Education Concentration
Required: 33 credit hours

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Core Courses (9 credits)</td>
<td></td>
</tr>
<tr>
<td>TED 676</td>
<td>Teacher as Researcher and Leader I</td>
<td>3</td>
</tr>
<tr>
<td>TED 677</td>
<td>Teacher as Researcher and Leader II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>33</td>
</tr>
</tbody>
</table>

1. TED 628 with appropriate topics: Gender and Education, Identity Matters, Youth Literacies.
2. Or approved substitute.
3. With consent of advisor.
## Teacher Education, M.Ed.

### Core Courses (9 credits)
- Core courses for all concentrations: 9 credits

### Pedagogical Expertise (9 credits)
- TED 630: Mathematics Teaching in Middle and Secondary Studies: 3 credits
- TED 671: Thinking and Learning in Middle Grades and Secondary Mathematics: Number and Algebra: 3 credits
- TED 673: Thinking and Learning in Middle Grades and Secondary Mathematics: Geometry, Statistics, and Probabil: 3 credits

### Mathematics Education Elective (6 credits)
- Select two courses (6 credits) from the following: 6 credits
  - MAT 503: Problem Solving in Mathematics
  - MAT 505: Foundations of Mathematics for Teaching I
  - MAT 513: Historical Development of Mathematics
  - MAT 614: Theory of Numbers
  - MAT 616: Intermediate Abstract Algebra
  - MAT 619: Intuitive Concepts in Topology
  - MAT 620: Non-Euclidean Geometry
  - MAT 621: Projective Geometry
  - MAT 635: Differential Equations and Orthogonal Systems
  - MAT 640: Introductory Complex Analysis

### Professional Development/Leadership (9 credits)
- TED 664: Teaching Problem Solving: 3 credits
- TED 676: Teacher as Researcher and Leader I: 3 credits
- TED 677: Teacher as Researcher and Leader II: 3 credits
- TED 670: Research in Mathematics Education (If offered):

### Total Credit Hours
- 33 credits

* Select courses under advisement from the Departments of Mathematics and Statistics and Teacher Education and Higher Education.

** TED 670 if offered.

### Middle/Secondary Social Studies Education Concentration

#### Required: 36 credit hours

### Core Courses (9 credits)
- Core courses for all concentrations: 9 credits

### Pedagogical Expertise (18 credits)
- Select 9 credits of content courses from 500- or 600-level ATY, ECO, GES, HIS, PSC, PSY, or SOC courses: 9 credits

### Professional Development/Leadership (9 credits)
- TED 628: Trends and Issues in Curriculum and Instruction: 3 credits
- SES 540: Introduction to Special Education
- SES 643: Special Education Trends/Issues

### Total Credit Hours
- 36 credits

* Or approved substitute.

** Or TED 626 Middle Grades Curriculum and Instruction.

### Middle/Secondary Science Education Concentration

#### Required: 33 credit hours

### Core Courses (9 credits)
- Core courses for all concentrations: 9 credits

### Pedagogical Expertise (18 credits)
- TED 623: Environmental Education: 3 credits
- TED 632: Science Education: Teaching Practices and Curriculum: 3 credits
- TED 657: Nature of Science, Technology, and Society: 3 credits
- Select two approved content courses (6 credits) in the College of Arts and Sciences: 6 credits

### Professional Development/Leadership (9 credits)
- TED 628: Trends and Issues in Curriculum and Instruction: 3 credits

### Total Credit Hours
- 33 credits

* Or a second semester of TED 623 Environmental Education, TED 657 Nature of Science, Technology, and Society, and/or TED 632 Science Education: Teaching Practices and Curriculum with instructor permission or approved substitutes.

** Or TED 626 Middle Grades Curriculum and Instruction.

### Teaching English to Speakers of Other Languages (TESOL) Concentration

#### Required: 36 credit hours

### Core Courses (9 credits)
- Core courses for all concentrations: 9 credits

### Pedagogical Expertise (15 credits)
- TED 523: Legal, Historical, and Cultural Issues in ESL: 3 credits
- TED 603: Applications for English Language Learners: 3 credits
- TED 614: Word Study: 3 credits

### Professional Development/Leadership (9 credits)
- TED 638A (COURSE INACTIVE) or TED 638B (COURSE INACTIVE): 3 credits
- TED 676: Teacher as Researcher and Leader I: 3 credits
- TED 677: Teacher as Researcher and Leader II: 3 credits

### Electives (6 credits)
- Select 6 credits of electives: 6 credits

### Total Credit Hours
- 36 credits

* Or approved substitute.

** Or TED 626 Middle Grades Curriculum and Instruction.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
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<td>Teacher as Researcher and Leader I</td>
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<td>TED 677</td>
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</table>

Total Credit Hours: 36

* Or approved substitute.

** Under advisement; to include courses in reading, language arts, math, science, social studies, instructional technology, and special education.