

# TEACHER EDUCATION, M.ED.

## Various Concentrations

The M.Ed. in Teacher Education (formerly Teacher Leadership Track) offers thirteen 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 33-42 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.

The Instructional Technology concentration is designed for teachers and other candidates who wish to focus their studies on instructional technology as it relates to curriculum and instruction. The Instructional Technology Specialist—Computers (077) licensure is attached to this concentration.

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.

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

## Degree Program Requirements

**Required:** 33-39 credit hours

Code	Title	Credit Hours
<b>Core Courses for All Concentrations *</b>		9
TED 545 or TED 646	Diverse Learners Intro to Equity Education	
TED 669	Educational Implications of Learning and Developmental Theory	
ERM 605 or ERM 604	Educational Measurement and Evaluation Methods of Educational Research	

\* 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 Science Education Concentration

Code	Title	Credit Hours
<b>Core Courses</b>		9
TED 646	Intro to Equity Education	
TED 669	Educational Implications of Learning and Developmental Theory	

ERM 605 or ERM 604	Educational Measurement and Evaluation Methods of Educational Research	
<b>Pedagogical Expertise</b>		15
TED 651	Life Sciences in the Elementary School	
TED 652	Physical Sciences in the Elementary School	
TED 653	Earth and Space Sciences in the Elementary School	
TED 623	Environmental Education	
TED 657	Nature of Science, Technology, and Society	
<b>Professional Development-Leadership</b>		9
TED 616	Literacy Development and Instruction Across the Elementary Grades	
TED 676	Teacher as Researcher and Leader I	
TED 677	Teacher as Researcher and Leader II	
<b>Total Credit Hours</b>		33

### Add-on Licensure in Elementary Science

Code	Title	Credit Hours
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**Required Courses** 18

TED 651	Life Sciences in the Elementary School	
TED 652	Physical Sciences in the Elementary School	
TED 653	Earth and Space Sciences in the Elementary School	
TED 623	Environmental Education	
TED 657	Nature of Science, Technology, and Society	

Select one of the following:

TED 632	Science Education: Teaching Practices and Curriculum	
TED 616	Literacy Development and Instruction Across the Elementary Grades	
TED 644	Supervised Practicum in Curriculum and Teaching	

**Total Credit Hours** 18

### Elementary Education Concentration

Code	Title	Credit Hours
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**Core Courses** 9

**Pedagogical Expertise** 18

Select 18 credits \*

**Professional Development/Leadership** 6

TED 676	Teacher as Researcher and Leader I	
TED 677	Teacher as Researcher and Leader II	

**Total Credit Hours** 33

\* On basis of approved plan of study.

### Elementary Mathematics Education Concentration

Code	Title	Credit Hours
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**Core Courses** 9

**Pedagogical Expertise** 18

TED 658 Number Systems and Operations: K-5 Mathematical Tasks

TED 659	Rational Numbers and Operations: K-5 Learning Trajectories	
TED 660	Data Analysis and Measurement: K-5 Classroom Interactions	
TED 661	Algebraic Reasoning: K-5 Discourse and Questioning	
TED 662	Geometry and Spatial Visualization: K-5 Assessment	
TED 663	Mathematical Modeling: K-5 Leadership	
<b>Professional Development/Leadership</b>		<b>6</b>
TED 676	Teacher as Researcher and Leader I	
TED 677	Teacher as Researcher and Leader II	
Total Credit Hours		33

**Add-On Licensure in Elementary Mathematics**

Code	Title	Credit Hours
<b>Required Courses</b>		<b>18</b>
TED 658	Number Systems and Operations: K-5 Mathematical Tasks	
TED 659	Rational Numbers and Operations: K-5 Learning Trajectories	
TED 660	Data Analysis and Measurement: K-5 Classroom Interactions	
TED 661	Algebraic Reasoning: K-5 Discourse and Questioning	
TED 662	Geometry and Spatial Visualization: K-5 Assessment	
TED 663	Mathematical Modeling: K-5 Leadership	
Total Credit Hours		18

**The Learning Sciences (Educational Psychology) Concentration**

Code	Title	Credit Hours
<b>Core Courses</b>		<b>9</b>
TED 545 or TED 646	Diverse Learners Intro to Equity Education	
TED 669	Educational Implications of Learning and Developmental Theory	
ERM 605 or ERM 604	Educational Measurement and Evaluation Methods of Educational Research	
<b>Concentration/Expertise</b>		<b>18</b>
Select 18 credits *		
<b>Professional Development/Leadership **</b>		<b>6</b>
<i>Teacher as Researcher and Leader</i>		
TED 676	Teacher as Researcher and Leader I	
TED 677	Teacher as Researcher and Leader II	
<i>Thesis</i>		
TED 699	Thesis	
Total Credit Hours		33

\* 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 capstones 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.

**Instructional Technology Concentration**

Code	Title	Credit Hours
<b>Core Courses</b>		<b>9</b>
<b>Pedagogical Expertise *</b>		<b>18</b>
TED 672	Instructional Design	
LIS 635	Media Production Services for Library Programs	
SES 662	Assistive Technology for Inclusive Education	
Select one of the following:		
TED 610	Integrating Technology into Subject Matter Instruction	
TED 628	Trends and Issues in Curriculum and Instruction **	
TED 667	Technology in Mathematics Education	
Select one of the following:		
TED 674	Seminar: Issues and the Virtual Community	
LIS 631	Emerging Technological Trends in Information Access	
LIS 688	Seminar in Selected Topics I	
Select one of the following:		
LIS 632	Managing School/Library Computer Laboratories	
LIS 630	Computer-Related Technologies for Information Management	
<b>Professional Development/Leadership</b>		<b>6</b>
TED 676	Teacher as Researcher and Leader I	
TED 677	Teacher as Researcher and Leader II	
Total Credit Hours		33

\* Or approved substitutes.

\*\* When topic is Integrating Technology into the K-12 Curriculum.

**Middle/Secondary English Language Arts Concentration**

Code	Title	Credit Hours
<b>Core Courses</b>		<b>9</b>
<b>Pedagogical Expertise</b>		<b>9</b>
TED 626	Middle Grades Curriculum and Instruction *	
TED 628	Trends and Issues in Curriculum and Instruction **	
TED 695	Youth Literacies: Advanced Topics in Education	
<b>Content Area Specialization Courses</b>		<b>9-10</b>
TED 645	Critical Perspectives on English Language Arts	
Select one of the following: ***		
ENG 522	Teaching Composition: Theories and Applications	
ENG 590	Literacy, Learning, and Fieldwork	
ENG 602	Electronic Research, Writing, and Editing	

Approved substitute	
Select one of the following: ***	
TED 604	Applied Linguistics for ESL Teachers
TED 618	Teaching English as a Second Language
TED 616	Literacy Development and Instruction Across the Elementary Grades
Approved substitute	
<b>Professional Development/Leadership</b>	<b>6</b>
TED 676	Teacher as Researcher and Leader I
TED 677	Teacher as Researcher and Leader II
<b>Total Credit Hours</b>	<b>33-34</b>

\* Or TED 638A Seminar in Secondary Education or TED 638B Seminar in Secondary Education.

\*\* Note: TED 628 Trends and Issues in Curriculum and Instruction: with appropriate topics: Gender and Education, Identity Matters, Youth Literacies.

\*\*\* With consent of advisor.

### Literacy Education K-12 Concentration

Code	Title	Credit Hours
<b>Core Courses</b>		<b>9</b>
TED 646	Intro to Equity Education	
TED 669	Educational Implications of Learning and Developmental Theory	
ERM 605	Educational Measurement and Evaluation	
<b>Pedagogical Expertise</b>		<b>18</b>
Select 18 credits from the following:		
TED 590	Community Literacies and Adult Learners	
TED 614	Word Study	
TED 616	Literacy Development and Instruction Across the Elementary Grades	
TED 617A	Practicum in Literacy Assessment and Instruction	
TED 617B	Advanced Practicum in Literacy Assessment, Instruction, and Leadership	
TED 619	Issues and Trends in Literacy Education	
TED 626	Middle Grades Curriculum and Instruction *	
TED 635	Reading in the Secondary School and Content Areas	
TED 640	Writing Instruction Across the Grade Levels	
TED 645	Critical Perspectives on English Language Arts	
TED 695	Youth Literacies: Advanced Topics in Education	
ENG 590	Literacy, Learning, and Fieldwork	
ENG 602	Electronic Research, Writing, and Editing	
<b>Professional Development/Leadership</b>		<b>9</b>
TED 628	Trends and Issues in Curriculum and Instruction **	
TED 676	Teacher as Researcher and Leader I	
TED 677	Teacher as Researcher and Leader II	
<b>Total Credit Hours</b>		<b>36</b>

\* Or TED 638A Seminar in Secondary Education or TED 638B Seminar in Secondary Education.

\*\* Or approved substitute.

### Add-on Licensure in Reading

The add-on program in reading is designed for professionals who have already completed a master's program in education or who are currently enrolled in a master's program and would like additional licensure as a reading specialist. The program requires 18 hours of course work. Some of these hours may be completed as part of another master's program such as those offered by the Department of Teacher Education and Higher Education or the Department of Specialized Education Services.

Code	Title	Credit Hours
<b>Required Courses</b>		<b>18</b>
TED 614	Word Study	
TED 616	Literacy Development and Instruction Across the Elementary Grades	
TED 617A	Practicum in Literacy Assessment and Instruction	
TED 617B	Advanced Practicum in Literacy Assessment, Instruction, and Leadership	
TED 619	Issues and Trends in Literacy Education	
TED 640	Writing Instruction Across the Grade Levels	
<b>Total Credit Hours</b>		<b>18</b>

### Middle/Secondary Mathematics Education Concentration

Code	Title	Credit Hours
<b>Core Courses</b>		<b>9</b>
<b>Pedagogical Expertise</b>		<b>9</b>
TED 630	Mathematics Teaching in Middle and Secondary Studies	
TED 671	Thinking and Learning in Middle Grades and Secondary Mathematics: Number and Algebra	
TED 673	Thinking and Learning in Middle Grades and Secondary Mathematics: Geometry, Statistics, and Probabil	
<b>Math Education Elective</b>		<b>6</b>
Select two (6 credits) from the following: *		
MAT 503	Problem Solving in Mathematics	
MAT 505	Foundations of Mathematics for Teachers	
MAT 513	Historical Development of Mathematics	
MAT 514	Theory of Numbers	
MAT 516	Intermediate Abstract Algebra	
MAT 519	Intuitive Concepts in Topology	
MAT 520	Non-Euclidean Geometry	
MAT 521	Projective Geometry	
MAT 540	Introductory Complex Analysis	
MAT 545	Differential Equations and Orthogonal Systems	
<b>Professional Development/Leadership</b>		<b>9</b>
TED 676	Teacher as Researcher and Leader I	
TED 677	Teacher as Researcher and Leader II **	
or TED 670	Research in Mathematics Education	
Select one (3 credits) from the following:		
TED 664	Teaching Problem Solving	
TED 667	Technology in Mathematics Education	
<b>Total Credit Hours</b>		<b>33</b>

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

\*\* TED 670 if offered.

### Middle/Secondary Science Education Concentration

Code	Title	Credit Hours
<b>Core Courses</b>		9
<b>Pedagogical Expertise</b>		15
TED 657	Nature of Science, Technology, and Society	
TED 623	Environmental Education	
TED 632	Science Education: Teaching Practices and Curriculum	
Select two approved content courses (6 credits) in College of Arts and Sciences*		
<b>Professional Development/Leadership</b>		9
TED 638A	Seminar in Secondary Education** or TED 638B Seminar in Secondary Education	
TED 676	Teacher as Researcher and Leader I	
TED 677	Teacher as Researcher and Leader II	
Total Credit Hours		33

\* 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.

### Middle/Secondary Social Studies Education Concentration

Code	Title	Credit Hours
<b>Core Courses</b>		9
<b>Pedagogical Expertise</b>		18
TED 631	Trends in Teaching Practices and Curriculum in Secondary School Social Studies	
Select 9 credits in content courses in HIS, PSC, GEO, ECO, ATY, PSY, or SOC at 500 or 600 level		
Select two courses (6 credits) from different categories of the following:		
<b>ESL</b>		
TED 628	Trends and Issues in Curriculum and Instruction	
TED 523	Legal, Historical, and Cultural Issues in ESL*	
<b>SES</b>		
SES 540	Intro to Special Education	
SES 543	Inclusion of Individuals with Special Needs	
SES 643	Special Education Trends/Issues	
<b>Technology</b>		
TED 628	Trends and Issues in Curriculum and Instruction*	
<b>Professional Development/Leadership</b>		9
TED 638A	Seminar in Secondary Education** or TED 638B Seminar in Secondary Education	
TED 676	Teacher as Researcher and Leader I	
TED 677	Teacher as Researcher and Leader II	
Total Credit Hours		36

\* Or approved substitute.

\*\* Or TED 626 Middle Grades Curriculum and Instruction.

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

Code	Title	Credit Hours
<b>Core Courses</b>		9
<b>Pedagogical Expertise</b>		15
TED 523	Legal, Historical, and Cultural Issues in ESL	
TED 603	Literacy Instruction for English Language Learners	
TED 604	Applied Linguistics for ESL Teachers	
TED 614	Word Study*	
TED 618	Teaching English as a Second Language	
<b>Electives</b>		6
Select 6 credits of electives under advisement**		
<b>Professional Development/Leadership</b>		6
TED 676	Teacher as Researcher and Leader I	
TED 677	Teacher as Researcher and Leader II	
Total Credit Hours		36

\* Or approved substitute.

\*\* Electives under advisement: to include courses in reading, language arts, math, science, social studies, instructional technology, and special education.

### Add-on Licensure in ESL

Code	Title	Credit Hours
<b>Required Courses</b>		15
TED 523	Legal, Historical, and Cultural Issues in ESL	
TED 603	Literacy Instruction for English Language Learners	
TED 604	Applied Linguistics for ESL Teachers	
TED 614	Word Study	
TED 618	Teaching English as a Second Language	
Total Credit Hours		15