

## THE MASTER OF ARTS IN TEACHING

### Program Description

The Master of Arts in Teaching (M.A.T.) program is designed as an interdisciplinary degree option within the Teacher Education Program. The M.A.T. is intended for graduates from accredited colleges or universities with an undergraduate major in humanities, sciences, or social sciences who have few, if any, formal courses in education. The program is offered in the following areas of specialization: Art Education, English Education, Mathematics Education, Middle Grades Education, Music Education, Physical Education, Science, and Social Studies. Upon successful completion of the M.A.T. program and state mandated examination(s), recipients will be eligible for a North Carolina “M” license.

The M.A.T. program is available only to those individuals who have not earned licensure and who are seeking licensure in the teaching field in which they wish to earn the degree. The program includes courses in teaching pedagogy and professional education as well as concentrated study in a content-specific area, for a total of 36 hours (39 or 42 hours for some Specialty Areas in Middle Grades Education). A 10-week (3 semester hours) internship experience in an approved public school setting is required. Policies regarding exceptions to this internship requirement are defined in the M.A.T. Handbook. With the internship, the program will total 39 hours (42 or 45 hours for some Specialty Areas in Middle Grades Education).

Although other program areas may be considered, the following undergraduate programs are determined to be most compatible with the selected graduate program of study:

- **Art Education:** B.F.A., B.S., or B.A. degree in studio art.
- **Middle Grades Education:** English, Mathematics, History, Political Science, Biology, Chemistry, Geology, Physics
- **Music Education:** Music
- **Physical Education:** Exercise and Sports Science, Kinesiology, Physical Education, Recreation, Exercise Science, Exercise Physiology
- **Middle Grades Language Arts and Secondary English Education:** English
- **Middle Grades and Secondary Mathematics Education:** Mathematics
- **Middle Grades and Secondary Science Education:** Biology, Chemistry, Geology, Physics
- **Middle Grades and Secondary Social Studies Education:** History, Political Science

Degrees in closely related fields may be acceptable; transcripts will be evaluated, and any discipline-specific prerequisites will be specified at the time of admission to a program.

The M.A.T. Program has been developed according to NC State Board of Education Program Approval Standards. The graduate program incorporates the conceptual framework that is common to all teacher education programs at UNCP.

### Program Goals

Upon completion of the M.A.T. program, the student will be able to:

1. Demonstrate breadth of general knowledge, as well as depth of knowledge, in the selected discipline area necessary for effective instructional decision-making.
2. Demonstrate a well-articulated knowledge of elementary, middle or secondary school communities and issues that impact teaching.
3. Exhibit knowledge of and show respect toward diverse cultural values and exceptionalities;
4. Communicate effectively in Standard oral and written English.
5. Adapt instructional strategies to the developmental and learning needs of individuals, including students with special needs and students from culturally diverse backgrounds.
6. Establish a classroom climate conducive to the learning, social, and emotional needs of students.

7. Choose objectives consistent with state and local curriculum guidelines, the learning needs of students, and guidelines established by learned societies.
8. Utilize technology in ways that enhance teaching and learning experiences.
9. Employ and analyze appropriate assessments and evaluative procedures.
10. Establish a pattern of reflective practice and scholarly inquiry culminating in confidence, professionalism, and effectiveness in the role of teacher.
11. Demonstrate knowledge of the history, philosophy, and sociology of public education pertaining to the demonstration of best practices in education.
12. Meet departmental requirements for a capstone course, product, and/or examination.

**The MAT program has two phases:**

**Phase I** will allow students to apply for the NC Standard Professional I License. This phase will consist of the Professional Core courses: EDN 5040, An Introduction to the Tenets of Education; EDN 5120, Advanced Study of the Exceptional Child; EDN 5430, Survey of Educational Research; and EDN 5450, Introduction to Curriculum Design and Best Practices. An additional Field Experience course—EDN 5460, Field Experience—for 0 credits is also required so that candidates may complete field based assignments in a K-12 environment. Phase I will also require candidates to complete the Professional Development\* course and selected Academic Specialization courses. Candidates must complete the 18-24 hours of courses of Phase I and apply for the Standard Professional I License before entering Phase II.

**Phase II** consists of Content Specific courses to complete the Academic Specialization, and Pedagogical Expertise. (Please see each program for specifics). Successful completion of Phases I and II will allow the candidate to apply for the NC Professional M License.

\*Note: Candidates for the MAT may waive the requirement for Internship after successfully completing a year of full-time teaching under a lateral entry license.

Descriptions of the courses included in the M.A.T. program are listed elsewhere in this catalog: under the M.A.Ed. program (for EDN courses) and under the M.A. programs in Art Education, English Education, Mathematics Education, Music Education, Physical Education, Science Education, and Social Studies Education (for ART, ENG, EED, MAT, MATE, MATH MUS, EXER, BIO, CHM, GLY, PHY, HST, and SSE courses).

## MASTER OF ARTS IN TEACHING WITH ART SPECIALIZATION

Graduate Art Education Director: Ann Horton-Lopez

<b>Requirements for Master of Arts in Teaching with Art Specialization</b>	<b>Sem. Hrs.</b>
<b>Professional Core (Phase I)</b>	<b>12</b>
EDN 5040 Basic Tenets of Education (3)	
EDN 5120 Advanced Study of Exceptionality in Children (3)	
EDN 5440 Survey of Educational Research (3)	
EDN 5450 Introduction to Curriculum Design and Best Practices (3)	
EDN 5460 Field Experience (0)	
<b>Professional Development* (Phase I)</b>	<b>3</b>
**ART 5810 Internship in K-12 Art Education	
<b>Academic Specialization (Phase I)</b>	<b>12</b>
**ART 5060 Applied Art Education Pedagogy and Production (3)	
ART 5090 Leadership and Survey of Art Education (3)	
ART 5110 Art History Methods and Content (3)	
ARTS 5120 Special Topics in Studio (3; repeatable)	
<b>Art Specialty Area (Phase II)</b>	<b>12</b>
ART 5020 Curricula in Art Education (3)	
ART 5030 Research in Art Education (3)	
ART 5040 History and Philosophy of Art Education (3)	
ART 5080 Art Production in the Elementary and Secondary Schools (3)	
<b>Total: 36-</b>	
	<b>39*</b>

\*See M.A.T. Handbook for Internship policies.

\*\*Required if the student has not provided appropriate documentation of successful public school teaching experience or course work in studio or art education methods to meet the competencies for the A license.

## MASTER OF ARTS IN TEACHING WITH MIDDLE GRADES SPECIALIZATION

Graduate Middle Grades Education Director: Patrick Hannigan

Specialty Area Advisors:

Language Arts: Roger A. Ladd

Mathematics: Raymond Lee

Science: Rita Hagevik

Social Studies: Scott C. Billingsley

<b>Requirements for Master of Arts in Teaching with Middle Grades Specialization</b>	<b>Sem. Hrs.</b>
<b>Professional Core (Phase I)</b>	<b>12-15</b>
EDN 5040 Basic Tenets of Education (3)	
EDN 5120 Advanced Study of Exceptionality in Children (3)	
EDN 5260 The Middle School Philosophy, Curriculum, and Instruction*** (3)	
EDN 5440 Survey of Educational Research (3)	
EDN 5450 Introduction to Curriculum Design and Best Practices*** (3)	
EDN 5460 Field Experience (0)	

**Pedagogical Expertise (Phase I or II)**—Courses vary with selected specialty area.)

6-9

**Language Arts 6-9: (Phase I)**

EED 5510 The Teaching of Writing: Theory and Practice

EED 5520 The Teaching of Literature: Theories, Issues, and Practices

**Mathematics 6-9:**

MATE 5500 Curriculum Development and Evaluation in Math Education

MATE 5600 Advanced Classroom Instruction in Mathematics Education

**Science 6-9\*\*\*\*:**

SCE 5000 Teaching Science in Grades 6-12

*SCE 5500 Science in the Middle School*

SCE 5600 Foundations of Science Education

**Social Studies 6-9:**

EDN 5660 Applied Educational Research

SSE 5500 Advanced Social Studies Methods

SSE 5750 Social Studies Curriculum Transformation

**Professional Development\* (Phase I)**

3

**Language Arts**

EED 5810 Internship in Secondary English Education

**Mathematics**

MAT 5810 Internship in Secondary Mathematics

**Science**

SCE 5810 Internship in Secondary Science Education

**Social Studies**

SSE 5810 Internship in Social Studies Education

**Specialty Area** (Select one specialty area concentration.)

15-18

**A. Language Arts**

Phase I:

ENG 5110 Principles of English Linguistics

ENG 5300 Theories and Methods of Literary Research

Phase II:

Select 12 hours from: ENG 5000, 5030, 5050, 5100, 5200, 5210,

5440, 5450, 5500, 5610, 5600, 5750, ENGS 5000-5099,

5100-5199, 5200-5299, 5300-5399, 5400-5499, 5700-5799,

or *one* of the following: ENG 5810 *or* 5830 *or* 5850

**B. Mathematics**

1. Analysis (3 hrs)

Choose 1 of the 4 options below; others may be used as elective

MATH 5210, MAT 5230, 5320, 5440

2. Applied Mathematics (3 hrs)

MATE 5530 Teaching Critical Thinking and Problem Solving

3. Technology in Education (3 hrs)

MATH 5080 Technology in Mathematics Education

4. Mathematics Electives (6 hrs)

May be chosen from math courses in section 1 above or those listed below

MAT 5020, 5050, 5070, 5120, 5150, 5260, MATH 5060, 5220

**C. Science**

Select one course from each discipline and two additional courses from any of the remaining courses listed:

Biology: BIO 5100, 5120, 5150, 5200, 5250, 5350, BIOS 5xxx\*\*

Chemistry: CHM 5200, 5480, 5500, 5600, CHMS 5xxx\*\*

Geology: GLY 5010, 5020, 5040, 5410, GLYS 5xxx\*\*

Physics: PHY 5200, 5480, 5500, 5600, PHYS 5xxx\*\*

**D. Social Studies**

Select one course from each of the three areas listed below (9 hours):

European History (including HSTS 5000-5190)

Asian, African, Latin American History (including HSTS 5200-5390)

United States History (including HSTS 5400-5590)

Select one course from three of the five areas listed (9 hours):

Geography, Political Science, American Indian Studies,

Economics, Sociology

<b>Specialty Area Total: Mathematics</b>	<b>36-39*</b>
<b>Language Arts, Science</b>	<b>39-42*</b>
<b>Social Studies</b>	<b>42-45*</b>

\*See M.A.T. Handbook for Internship policies.

\*\*BIOS/CHMS/GLYS/PHYS 5xxx: Exact course number and title will vary, since multiple topics are offered in different semesters. Check with program director prior to registering.

\*\*\*Does not apply to Science Education-Middle Grades.

### **MASTER OF ARTS IN TEACHING WITH MUSIC SPECIALIZATION**

Graduate Music Education Director: Valerie A. Austin

<b>Requirements for Master of Arts in Teaching with Music Specialization</b>	<b>Sem. Hrs.</b>
<b>Professional Core (Phase I)</b>	<b>12</b>
EDN 5040 Basic Tenets of Education (3)	
EDN 5120 Advanced Study of Exceptionality in Children (3)	
EDN 5440 Survey of Educational Research (3)	
EDN 5450 Introduction to Curriculum Design and Best Practices (3)	
EDN 5460 Field Experience (0)	
<b>Pedagogical Expertise (Phase I)</b>	<b>3</b>
MUS 5640 Applied Contemporary Instructional Methodology	
<b>Professional Development* (Phase I)</b>	<b>3</b>
MUS 5810 Internship in K-12 Music Education	
<b>Music Specialty Area (Phase II)</b>	<b>18</b>
MUS 5650 Applied Philosophy & Leadership of Music Education	
MUS 5990 Graduate Portfolio	
MUS 5731 Graduate Ensemble	
MUS 5290 Graduate Conducting	
MUS 5340 Advanced Arranging	
MUS 5950 Advanced Study in Music History & Literature	
MUS 5300 Rehearsal Strategies	
MUSP 5001-5861 Applied Music	

\*See M.A.T. Handbook for Internship policies.

**Total: 36-39\***

**MASTER OF ARTS IN TEACHING  
WITH PHYSICAL EDUCATION SPECIALIZATION**

Graduate Physical Education Director: Danny Davis

<b>Requirements for Master of Arts in Teaching with Physical Education Specialization</b>	<b>Sem. Hrs.</b>
<b>Professional Core (Phase I)</b>	<b>12</b>
EDN 5040 Basic Tenets of Education (3)	
EDN 5120 Advanced Study of Exceptionality in Children (3)	
EDN 5440 Survey of Educational Research (3)	
EDN 5450 Introduction to Curriculum Design and Best Practices (3)	
EDN 5460 Field Experience (0)	
<b>Pedagogical Expertise (Phase I)</b>	<b>3</b>
EXER 5030 Management and Marketing of PE/Sports	
<b>Professional Development (Phase I)</b>	<b>3</b>
EDN 5810 Internship*	
<b>Physical Education Specialty Area (Phase II)</b>	<b>21</b>
EXER 5010 Movement and Coaching Physiology	
EXER 5020 Exercise and Sport Psychology	
EXER 5050 Health and Wellness Administration	
EXER 5060 Current Issues and Trends in PE and Sports	
EXER 5070 The Law in PE and Sport	
EXER 5080 Facility Design and Management	
EXER 5990 Capstone Study	
	<b>Total: 36-39*</b>

\*See M.A.T. Handbook for Internship policies.

**MASTER OF ARTS IN TEACHING  
WITH SECONDARY SPECIALIZATIONS**

Graduate English Education Director: Roger A. Ladd

Graduate Mathematics Education Director: Raymond Lee

Graduate Science Education Director: Rita Hagevik

Graduate Social Studies Education Director: Scott C. Billingsley

<b>Requirements for Master of Arts in Teaching with English Education (9-12) Specialization</b>	<b>Sem. Hrs.</b>
<b>Professional Core (Phase I)</b>	<b>12</b>
EDN 5040 Basic Tenets of Education (3)	
EDN 5120 Advanced Study of Exceptionality in Children (3)	
EDN 5440 Survey of Educational Research (3)	
EDN 5450 Introduction to Curriculum Design and Best Practices (3)	
EDN 5460 Field Experience (0)	
<b>Pedagogical Expertise (Phase II)</b>	<b>6</b>
EED 5510 The Teaching of Writing: Theory and Practice	
EED 5520 The Teaching of Literature: Theories, Issues, and Practices	
<b>Professional Development* (Phase I)</b>	<b>3</b>
EED 5810 Internship in Secondary English Education	

<b>Academic Specialization</b> (Courses must be approved by advisor.)	<b>21</b>
Phase I:	
ENG 5300 Theories and Methods of Literary Research	
Phase II:	
Select six courses from the following:	
ENG 5000, 5030, 5050, 5100, 5110, 5200, 5210, 5440, 5450,	
5500, 5610, 5600, 5750, ENGS 5000-5099, 5100-5199,	
5200-5299, 5300-5399, 5400-5499, 5700-5799, or <i>one of</i>	
the following: ENG 5810 <i>or</i> 5830 <i>or</i> 5850	
Capstone Portfolio and Presentation is the culminating experience of	
the graduate program and takes place during the last semester (fall	
or spring) of the candidate's course work.	
	<b>Total: 39-42*</b>

\*See M.A.T. Handbook for Internship policies.

<b>Requirements for Master of Arts in Teaching with Mathematics Education (9-12) Specialization</b>	<b>Sem. Hrs.</b>
<b>Professional Core (Phase I)</b>	<b>12</b>
EDN 5040 Basic Tenets of Education (3)	
EDN 5120 Advanced Study of Exceptionality in Children (3)	
EDN 5440 Survey of Educational Research (3)	
EDN 5450 Introduction to Curriculum Design and Best Practices (3)	
EDN 5460 Field Experience (0)	
<b>Pedagogical Expertise</b>	<b>6</b>
MATE 5500 Curriculum Development and Evaluation in Math Education	
MATE 5600 Advanced Classroom Instruction in Mathematics Education	
<b>Professional Development*(Phase I)</b>	<b>3</b>
MAT 5810 Internship in Secondary Mathematics Education	
<b>Academic Specialization</b> (Courses must be approved by advisor.)	<b>18</b>
1. Analysis (3-6 hrs)	
Choose 1 of the 4 options below; others may be used as elective	
MATH 5210 and MATH 5220 Analysis for Math Teachers I and II	
MAT 5230 Real Analysis	
MAT 5320 Advanced Calculus for the Math Teacher	
MAT 5440 Complex Analysis for the Math Teacher	
2. Algebra and Number Theory (3 hrs)	
Choose 1 of the 3 options below; others may be used as elective	
MAT 5120 Advanced Topics in Linear Algebra	
MAT 5150 Topics in Number Theory	
MAT 5260 Special Topics in Abstract Algebra	
3. Geometry and Topology (3 hrs)	
Choose 1 of the 2 options below; others may be used as elective	
MAT 5100 Point Set Topology	
MATH 5110 Advanced Topics in Geometry	
4. Applied Mathematics (3 hrs)	
MATE 5530 Teaching Critical Thinking and Problem Solving	
5. Technology in Education (3 hrs)	
MATH 5080 Technology in Mathematics Education	

**Academic Specialization** (cont.)

## 6. Mathematics Elective (0-3 hrs)\*\*

Optional, may be chosen from math courses in sections above or those listed below

MAT 5020 History of Mathematics (if not taken as an undergraduate)

MATH 5060 Statistics and Probability for Math Teachers

MAT 5070 Discrete Mathematics for Math Teachers

**Total: 36-39\***

\*See M.A.T. Handbook for Internship policies.

**Requirements for Master of Arts in Teaching with Science Education (9-12) Specialization****Sem. Hrs.****Professional Core (Phase I)****9**

EDN 5040 Basic Tenets of Education (3)

EDN 5120 Advanced Study of Exceptionality in Children (3)

EDN 5440 Survey of Educational Research (3)

EDN 5460 Field Experience (0)

**Pedagogical Expertise****9**

SCE 5000 Teaching Science in Grades 6-12

SCE 5600 Foundations of Science Education

SCE 5700 Improving 9-12 Science Classroom Instruction

**Professional Development\* (Phase I)****3**

SCE 5810 Internship in Secondary Science Education

**Academic Specialization** (Courses must be approved by advisor.)**18**

Select one course from each discipline and two additional courses from any of the remaining courses listed:

Biology: BIO 5100, 5120, 5150, 5200, 5250, 5350, BIOS 5xxx\*\*

Chemistry: CHM 5200, 5480, 5500, 5600, CHMS 5xxx\*\*

Geology/Geography: GLY 5010, 5020, 5040, 5410, GLYS 5xxx\*\*, GGYS 5xxx\*\*

Physics: PHY 5200, 5480, 5500, 5600, PHYS 5xxx\*\*

**Total: 36-39\***

\*See M.A.T. Handbook for Internship policies.

\*\*BIOS/CHMS/GLYS/GGYS/PHYS 5xxx: Exact course number and title will vary, since multiple topics are offered in different semesters. Check with program director prior to registering.

**Requirements for Master of Arts in Teaching with Social Studies Education (9-12) Specialization****Sem. Hrs.****Professional Core (Phase I)****12**

EDN 5040 Basic Tenets of Education (3)

EDN 5120 Advanced Study of Exceptionality in Children (3)

EDN 5440 Survey of Educational Research (3)

EDN 5450 Introduction to Curriculum Design and Best Practices (3)

EDN 5460 Field Experience (0)

<b>Pedagogical Expertise</b>	<b>9</b>
<b>Phase I:</b>	
SSE 5500 Advanced Social Studies Methods	
<b>Phase II:</b>	
SSE 5750 Social Studies Curriculum Transformation	
EDN 5660 Applied Educational Research	
<b>Professional Development* (Phase I)</b>	<b>3</b>
SSE 5810 Internship in Secondary Social Studies Education	
<b>Academic Specialization (Phase II)</b>	<b>18</b>
Select one course from each area (9 hours):	
European History (HSTS 5000-5190)	
Asian, African, Latin American History (HSTS 5200-5390)	
United States History (HSTS 5400-5590)	
Select one course from three of the areas listed below (9 hours):	
Geography	
Political Science	
American Indian Studies	
Economics	
Sociology	
	<b>Total: 39-</b>
	<b>42*</b>

\*See M.A.T. Handbook for Internship policies.