# The University of North Carolina at Pembroke

**MAT – Masters of Arts in Teaching**

**Middle Grades and High School Comprehensive Science Education**

# *PROGRAM ADMISSION REQUIREMENTS*

## Pre-requisites / Co-requisites

1. Undergraduate Major in one of the following areas: Biology, Geology, Physics, Chemistry, Engineering

***OR***

24 hours in a science content area if the degree is not in a qualifying science area with the required GPA (see below).

**AND**

1. GPA minimum 2.75\*\*

\*\*\*NOTE: If a candidate has less than a 2.75 GPA, but a 2.65 GPA to a 2.74 GPA, the candidate may apply for provisional admission

**OR if you DO NOT have the science content requirement you can instead:**

III. Submit a Passing Praxis II: Science Content (5442 – MS or 5435 - HS) Test Scores for admission depending on license area.

**OR if you have the science content or degree requirement but your GPA is below 2.65**

IV. Then take ONE graduate science course at UNCP as an enrichment student, get a B or better, and then apply to the graduate school for admission. Contact Janetta Cheek in the Graduate School at UNCP for details.

**AND after you are admitted to the program**

IV. Attend the graduate school orientation, complete a plan of study, and attend School of Education Information oreintations.

**Provisional Admission Criteria:**

\*\*\*Candidate has less than a 2.75 GPA, but higher than a 2.64 GPA. Provisional admits must take one more course – EDN 5470 Advanced Classroom Management and receive a B or better in coursework

**PLAN OF STUDY FOR MAT PROGRAM COMPREHENSIVE SCIENCE EDUCATION**

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**Core Content Area Prerequisite**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Degree Major or Equivalent in science (24 hours)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Undergraduate GPA (2.75 – 2.65)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PRAXIS II test score – passed in licensure area (replaces science major)  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ B or better in a graduate science course as enrichment student at UNCP if GPA below 2.65

## \*Recommended Prerequisite Content Knowledge

One Year of Biology Courses 8

One Year of Physics Courses 8

One Year of Chemistry Courses 8

One Geology Course 4

**Content Pedagogy (9 hours)**

\_\_\_\_\_SCE 5600: (spring semester) – Science Ed. Foundations Course 3

\_\_\_\_\_SCE 5000: (fall semester) - Advanced Methods of Teaching Science & Clinical Practice 1 3

\_\_\_\_\_SCE 5810: (fall & spring semester) - Clinical Practice II: Internship (Checkpoint 3) 3

**Education Core (9 hours)**

\_\_\_\_EDN 5040: Basic Tenets of Education (B or better) – Checkpoint 1 3

\_\_\_\_EDN 5120: Advanced Study of Exceptional Children – Checkpoint 2 3

\_\_\_\_EDN 5450: Curriculum Design and Best Practices – Checkpoint 2 3

**Content Core (12 hours in the science disciplines)**

\_\_\_\_BIO(S) Course: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3

\_\_\_\_CHM(S) Course: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3

\_\_\_\_PHY(S) Course: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3

\_\_\_\_GEO(S) Course: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3

-Any biology, chemistry, physics, or geology course

30-33\*\*\* Hours Total   
 (see pg. 2 for course sequence)

**Graduate Courses Transferred**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Provisions:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Program Director \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_Student Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Recommendation for Licensure Requirements***

* Satisfactory completion of all Plan of Study course requirements
* Satisfactory completion of Clinical Practice requirements
* Completion of and passing of licensure exams: edTPA & Praxis II Subject Area Exam (5435 for High School; 5442 for Middle School) before graduation from the program.

**A Sequence of Courses for the ITP-MAT Comprehensive Secondary Science Teacher Education Program**

**Initial Teacher Program – Masters of Arts in Teaching**

**1st Semester – initial point**  
EDN 5040 – Checkpoint One  
One Graduate Science course

**2nd Semester**  
EDN 5450 – Checkpoint Two  
SCE 5600

**3rd Semester - midpoint**  
EDN 5120 – Checkpoint Two  
One Graduate Science courses

**4th Semester**  
SCE 5000 – Advanced Science Teaching Methods – Clinical Practice 1  
Checkpoint Three   
One Graduate Science Course

**5th Semester - endpoint**

SCE 5810 – Internship – Clinical Practice II - Checkpoint Three   
One Graduate Science Course - I recommend that if possible you TRY and take this course in the summer – Graduate Biology and Chemistry courses are offered in the summer.

\*\*\*Provisional Admissions (see above) take one additional course EDN 5470 Advanced Classroom Management

**Graduate Science and Science Education Course Rotations**Every Fall – Graduate Biology course  
Every Fall – Graduate Geology course  
Every Spring – Graduate Physics course   
Every Spring - Graduate Chemistry course  
Summer One – Graduate Biology course  
Summer Two – Graduate Chemistry course

SCE 5000 – every fall semester  
SCE 5600 – every spring semester  
SCE 5810 – every fall and spring semester