

GRADUATE PROGRAM IN SCIENCE EDUCATION UNC PEMBROKE

Masters of Arts in Science Education (MA) and Masters of Arts in Teaching (MAT) in Science Education

The University of North Carolina at Pembroke offers five 36 hour graduate degree programs in science education. The Biology Department offers the program in cooperation with the Chemistry and Physics and Geology and Geography Departments. The mission of the Science Education program at the University of North Carolina at Pembroke is to prepare professional science educators committed to leading in the learning of science in schools and communities. Courses are offered in hybrid, online, and face-to-face (during evening hours) formats. Students can choose to attend full-time or part-time. Most students complete their degree program within 3 years. We offer five graduate degrees in science education.

If you have a science-related degree but you do not have a teaching license, you may choose to apply for one of the following:

- MAT in high school (grades 9-12) science education, comprehensive science teaching license
- MAT in middle level (grades 6-9) science education, comprehensive science teaching license
- MA non-licensure in science education (for teaching in community colleges or other non-formal science settings)

If you already have a science teaching license, you may choose to apply for one of the following:

- MA in high school (9-12) science education, comprehensive science teaching license
- MA in middle school (6-9) science education, comprehensive science teaching license

What do secondary science teachers do?

Secondary science teachers work in public and private middle and high schools with students, parents, administrators, and the community to prepare students who are scientifically literate. They develop science curricula, science programs, and organize and participate in science competitions such as science fairs or Science Olympiad. Science teachers prepare and offer guidance to students as they seek science careers.

What do MA non-licensure science teachers do?

Masters of Arts science educators who do not have a teaching license work in a variety of formal and non-formal settings such as community colleges and universities (requires 18 graduate hours in one science), zoos, nature centers, ecotourism, and aquariums to name a few possibilities.

Graduate Science Education Student Quote:

“The UNCP Graduate Science Education program prepared me to meet the challenges of today’s classrooms and to seek solutions. It has inspired me to think of life as a continued learning experience.”

James Sanford, MAT High School Science Teacher graduate, Class of 2012

Admissions Requirements

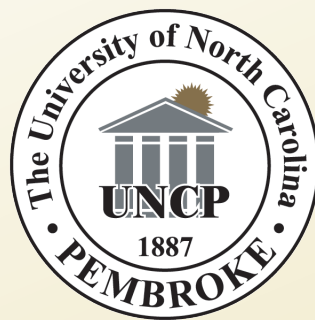
1. **Bachelor’s degree in a science-related field with a minimum GPA of 2.5 overall and in science-related major**
2. **Competitive GRE or MAT scores**
3. **Transcripts of all academic course work**
4. **Application form and fee**
5. **Three academic and professional recommendations**
6. **An interview with program faculty**

Opportunities for Student Involvement:

There are many opportunities for graduate science education students to become involved:

- UNCP - National Science Teachers Association Student Chapter and Science Education Club
- Science teacher professional development and research projects
- Tutoring in science at the college level and judging regional science fairs
- Faculty-student collaboration on conference presentations
- Professional organizations
- International travel to study science and education





Our Faculty

Students in the Graduate Science Education Programs at UNCP work closely with the graduate science faculty throughout their studies. Science educators are prepared to be leaders in their field as well as reflective practitioners and scholars. All graduate science education students participate in research and present at least once at a professional meeting. Many of our faculty members hold leadership positions in their professional organizations.

Some of the recent research projects by the Graduate Science Faculty include:

- Teaching of evolution; faith-based vs. evidence
- Uses of technologies to teach science and technological pedagogical content knowledge
- Contributions of Native American students to herpetological research experiences
- Argument-driven scientific inquiry
- Education for sustainability in the teaching and learning of science

CONTACT:

Dr. Rita Hagevik at rita.hagevik@uncp.edu

for more information about

the Graduate Science Education Programs and see

www.uncp.edu/biology/grad_programs/

for program checklists and a video.

School of Graduate Studies

P.O. Box 1510
Pembroke, NC 28372-1510

910.521.6271 or
1.866.521.GRAD (4723)

Fax: 910.521.6751
Relay: 1-866-521-GRAD (4723)
grad@uncp.edu



www.uncp.edu/biology/grad_programs/

1,000 copies of this document were designed and printed
at a cost of \$0.37 per copy.

This publication is available in alternative formats upon request.
Please contact Disability Support Services,
D.F. Lowry Building, 521-6695.

THE UNIVERSITY OF NORTH CAROLINA AT
PEMBROKE



GRADUATE STUDIES SCIENCE EDUCATION

“Teaching science is so important to our nation’s future. The graduate science education program at UNCP... fulfilled my lifelong dream of becoming the best science teacher possible.”

– Tiffany Dial,
High School Science Teacher,
2012 Outstanding Graduate Student in Science Education Award

www.uncp.edu/biology/grad_programs/