Online, From Anywhere!
By expanding opportunities for online learning, The Citadel Graduate College (CGC) makes its programs more convenient, flexible, and feasible for working adult students and those currently serving in the U.S. military. The CGC offers master’s degrees, graduate certificates, and undergraduate degree completion programs entirely online, which provide the same high quality content and are taught by the same expert faculty as other CGC courses. Our online courses are delivered using cutting-edge technologies, and are held to the same high standards that consistently name The Citadel the top public college in the south for institutions granting up to a master’s degree.

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Zucker Family School of Education
171 Moultrie St. Charleston, SC 29409
(843) 953-5089 • citadel.edu/stem
About the Program
The Master of Education in Interdisciplinary STEM Education is designed for current educators who seek to advance their skillset in the STEM disciplines. The goal of the program is to create 21st century STEM educators and leaders by facilitating a broader understanding of the interdisciplinary nature of STEM, a deeper knowledge of discipline-specific content, and new integrative approaches for the teaching and learning of STEM content.

The coursework has been designed to inspire a passion in teachers for STEM and equip them with the tools necessary to teach STEM content in an engaging way with career and industry applications. The M.Ed. in Interdisciplinary STEM Education does not lead to certification, but is instead designed to improve teacher effectiveness in STEM education. A graduate successfully completing this degree program will be adept at creating relevant projects for use in their classrooms and utilizing project-based instruction to more effectively engage their students in the STEM disciplines.

Program Requirements
The program assumes appropriate undergraduate preparation in STEM. The 34-credit hour M.Ed. in Interdisciplinary STEM Education is organized into two areas—core and electives. The coursework will consist of nineteen (19) hours of core coursework and fifteen (15) hours of electives. Students will work with academic advisors to individualize the program based on their prior preparation and areas of interest. The curriculum is targeted for working professionals with coursework delivered online in asynchronous format, allowing students to progress through the program at their own pace.

Although the program is designed for current educators, teaching certification is not required to be admitted to the program as other STEM professionals may complete the degree to better prepare themselves for roles in places such as informal education centers. Please refer to the program website for a complete list of admission and program requirements.

Courses
Core Coursework
- Foundations in STEM I
- Teaching, Learning and Assessing with Technology
- Project Based Learning and Interdisciplinary Teaching
- Developing STEM Disciplinary Literacy Skills
- Leadership and Critical Issues in STEM Education
- Research and Statistics for STEM Applications
- Foundations in STEM II

Electives
- App Development
- Biotechnology for STEM Educators
- Earth Science for Teachers
- Engineering Applications in STEM
- Forensic Science
- Mathematical Technology Resources for STEM Education
- Nanotechnology for STEM Educators
- Programming for STEM Educators
- Multidisciplinary Experimental Design and Implementation
- STEM Education through Robotics
- The Chemistry of Art
- The Science of Food for STEM Educators

A STEM-literate nation is critical to the United States’ continued success in our global economy and the ability of American students to compete in the global workforce.