Certificate of STEAM Education

The STEAM Education Certificate provides teachers with the ability to infuse STEAM practices in their classrooms. STEAM is a transdisciplinary approach for engaging all learners to solve real-world problems. The four-course sequence equips teachers with skills to create, implement, reflect, and assess students engaged in STEAM units. This certificate is appropriate for K-12 teachers of all content areas. STEAM education is an innovative approach to teaching in the K-12 setting. This transdisciplinary approach engages learners to solve real-world problems through STEAM problem scenarios. STEAM education has demonstrated much success in re-engaging learners and teachers through problem-based approaches.

College of

EDUCATION

The **four-course, asynchronous STEAM Education Certificate program** admits students for a Fall entrance term. The application deadline is August 1.



S.C. Teacher Incentive

The STEAM Education Certificate program offers a South Carolina Teacher Incentive reducing tuition by 10% for all in-state South Carolina K-12 teachers/leaders.

Program Goals

The STEAM Education certificate builds a conceptual foundation that prepares teachers, instructional coaches and technology integration specialists to design and implement STEAM instruction in classrooms using a transdisciplinary approach. This certificate program is designed to meet outcomes such as:

- > Conceptualize STEAM education through the adoption of a research-based instructional model
- > Design a STEAM instructional unit focused on authenticity, relevance, inquiry and problem-based learning
- > Explore and integrate student-centered technologies in STEAM teaching, learning and assessment
- > Develop formative and summative assessments aligned with STEAM learning objectives
- > Implement and reflect on STEAM teaching

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