



College of

EDUCATION

Endorsement Pathways

Clemson University's Teacher Learning Progression

- STEAM Endorsement
- Teacher Leader Endorsement
- Online Teaching Endorsement

Courses must be completed in order following the below sequence.

STEAM Instructional Design (ED 8700)

Offered in Fall

Focuses on STEAM instructional design for teachers, including subject-matter alignment, discipline integration, and ways to employ problem-solving skills. Emphasizes STEAM-based practices such as problem-based, inquiry-rich, authentic tasks, and ways to integrate technology across the curriculum.

STEAM Transdisciplinary Teaching (ED 8710/8711)

Offered in Spring

Focuses on STEAM-based instructional approaches, including the ways in which teachers structure the classroom environment, tasks, and resources to facilitate deep learning. These instructional approaches include problem-based, student-driven, authentic tasks, and technology integration, and supports for equitable participation.

STEAM Assessment (ED 8730)

Offered in Summer

Focuses on assessment practices that support learning, including the iterative process of refining instruction and evaluating learning in a real-world context using multiple forms of data. Assessment types include authentic, embedded, incorporate regular feedback, and drives adjustments to teaching.

STEAM Enacted & Evaluated (ED 8720/ED 8721)

Offered in Fall

Focuses on the ways to implement the STEAM teaching beyond the classroom to create leaders in the pedagogy. Emphasizes evaluation, feedback and changes in practice, and examines and utilizes the STEAM Observation to help school teachers understand STEAM teaching and learning.

Teacher Leader Endorsement

Courses may be taken in any order.

Theory and Practice in Education Leadership (ED 8750)

Offered in Summer

Advanced organizational and leadership theory; major theories of organization and their applications in understanding the roles of governmental agencies in society.

Intercultural Workplace Learning Leadership (ED 8760)

Offered in Fall

Examines leading the learning function across cultures and nations

Leading the Learning Organization (EDLT 8280)

Offered in Spring

Provides the foundational knowledge and skills necessary to successfully design, implement and lead an organizational learning function.

Foundations of HRD Leadership (EDLT 8290)

Offered in Summer

Concepts of contemporary theories, concepts, practices, implications and influences on human resource development leadership. This course lays the groundwork for the pursuit of long-term personal development for meeting the demands for HRD practice within organizations.

Online Teaching Endorsement

Effective Online Teacher (EDF 8200)

Offered First Fall

Creation and delivery of effective online courses, with an emphasis on student engagement, instructor presence, course facilitation, best practices, and emerging tools and methods used in online teaching and learning.

Must be taken first and the remaining courses can be taken in any order.

Online Course Management (EDF 8210)

Offered Second Fall

Examines online course management, models of learner interaction and engagement, and learning theory. Additionally, students will explore the practical applications of various learning management systems while focusing on how learning theory can be applied to the design and management of an online course.

Web Tools to Enhance Online Engagement (EDF 8220)

Offered First Spring

Examines the manner in which instructors should evaluate and select digital tools to promote learning and protect learner data. Students will explore a variety of technologies such as digital storytelling, game-based learning, data visualization tools, apps and mobile devices.

Instructional Design and Assessment (EDF 8230)

Offered Second Spring

Focuses on principles and best practices in instructional design within online learning environments. Emphasis will be placed on creating assessments that are aligned with measurable learning outcomes. The development of universally designed, accessible instructional content and learning activities will be explored.