

CAREER AND TECHNICAL EDUCATION

The Certificate in Education for Career and Technical Educators is designed to prepare practicing teachers at CTE centers to improve and enhance their teaching practice.

emcc.edu/CTE

The Career & Technical Education Certificate Program offers training to teachers at CTE centers.

- Graduates will be able to use a variety of instructional strategies to plan learning experiences and activities that meet the diverse needs of all students and to encourage critical thinking and problem solving.
- Graduates who obtain this certificate will also satisfy the State of Maine requirements for CTE teachers and be eligible to apply for certification to teach at a Career and Technical Education Center in Maine.





Free Application!

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CAREER AND TECHNICAL EDUCATION

Certificate

EDCT 102 – Introduction to CTE Environments *(Summer)*

Introduces the knowledge and skills necessary to successfully navigate the first year of teaching in a Career & Technical Education (CTE) program. Explores the roles, duties, and responsibilities of CTE educators and the difference between job models and instructional models of preparation. Examines the essential elements of working in a CTE program environment, including school policies and procedures, safety procedures, industry standards, the role of advisory committees and live work opportunities, and the program assessment process.

EDCT 105 – Classroom Management & Lab Safety in CTE Environments *(Fall)*

Introduces the concepts of classroom management and shop safety (CMS) as they pertain to teaching and learning in a CTE environment. Examines the philosophy and purpose of CMS and the roles and responsibilities of CTE educators and their students in setting up and maintaining safe environments within their discipline. A comprehensive Classroom Management and Shop Safety plan based on industry and school standards will be developed.

EDCT 210 – Exceptional Learners in CTE Environments *(Fall)*

Introduces the laws that impact students with exceptionalities and the categories of exceptionality as defined by IDEA. Explores the roles and responsibilities of special education personnel and the roles and responsibilities of CTE educators, with an emphasis on meaningful communication, navigating the IEP environment, creating safe and welcoming learning spaces, and support for transition planning. Examines principles of Universal Design and strategies to support students with exceptionalities in the CTE environment.

EDCT 206 – The Teaching Process in CTE Environments *(Spring)*

Introduces models for curriculum planning and program curriculum mapping. Examines various instructional strategies that engage all learners and are effective in the CTE environment. Explores the integration of various standards in lesson design, including the Maine Learning Results, Industry Standards for Career & Technical Education, and the InTASC Model Core Teaching Standards. Students will develop and implement an integrated, standards-based curriculum unit in their content area.



Prerequisites

Certificate: Must be employed by a career and technical education center. For learners not employed in CTE centers, permission to enroll must be given on a case-by-case basis.

 **TOTAL CREDITS** 21

EDCT 208 - Assessment and Evaluation in CTE Environments *(Spring)*

Explores the history, philosophy and purpose of assessment and evaluation and its impact on teaching and learning. Examines methods for assessment and evaluation in CTE environments, with an emphasis on formative and summative assessments that are authentic and connected to student and program learning outcomes. Students will develop and implement authentic formative and summative assessment tools that are tied to student and program learning outcomes. They will reflect on assessment results and use that information to further inform their practice.

EDCT 214 – Teaching Literacy Skills in CTE Environments *(Summer)*

Introduces strategies to integrate literacy instruction in CTE environments. Examines approaches for supporting reading, writing, listening, speaking, visual representation, research, information literacy, and critical thinking. Explores standards-based activities and learning experiences that promote literacy within the context of specific CTE content areas. Students will develop and implement a series of standards-based literacy activities that connect directly to their CTE content area.

EDCT 121 – Culturally Responsive Teaching in CTE Environments *(Summer)*

Provides participants with an understanding of the nature and role of culture and identity and its intersection with teaching and learning in CTE Environments. Participants will develop an awareness of cultural, racial, ethnic, and linguistic identities as well as concepts of equity, diversity, social justice, and inclusion. They will explore their own personal biases and culturally responsive teaching practices in CTE environments. They will focus on approaches to teaching and learning that consider the following: developmental and grade appropriateness; valuing students and the assets they bring to the CTE program; connecting students' life experiences with what they are learning in the CTE program; and how these approaches raise expectations and make learning relevant for all students.

