

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/CTEEducation

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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 **Eastern Maine
Community College**

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CAREER AND TECHNICAL EDUCATION

Certificate

CTE 101 – Introduction to CTE Environments

Provides the new professional Career & Technical Education (CTE) teacher the necessary skills to successfully navigate the first year of teaching at a CTE school. Classroom/lab management, safety, unit and lesson plans, basic school regulations and law, assessment strategies and current CTE topics will be introduced. Instructors will model various teaching styles and strategies to engage students in relevant activities to build confidence and knowledge for a successful first year teaching experience.

CTE 112 – Classroom Management and Lab Safety in CTE Environments

Classroom Management and Shop Safety (CMS) as it pertains to teaching and learning is explored in this class. Topics include: Philosophy & Purpose of CMS; Teacher/Student Roles and Responsibilities; Classroom/Lesson Set-Up; Shop Set-Up; Time Management & Time Efficiencies; Designing Rules & Procedures; Discipline Strategies; Recordkeeping; Shop Safety & Teacher Accountability. Students will develop a written comprehensive Classroom Management & Shop Safety Plan for their content area based on industry standards.

CTE 216 – Exceptional Learners in CTE Environments

This course focuses on classroom and shop/lab inclusion of individuals with exceptionalities (special needs), in the CTE learning environment. Landmark laws impacting students with special needs are reviewed. The process of screening, pre-referral and referral are discussed. Each category of exceptionality, as defined by IDEA, is overviewed with an emphasis on identification, understanding student characteristics and utilizing appropriate CTE classroom and shop accommodations.

CTE 217 – Teaching Literacy Skills in CTE Environments

Provides teachers in Career and Technical Education (CTE) environments with strategies to integrate literacy instruction in the various CTE content areas. All aspects of literacy are addressed including reading, writing, speaking, listening, research and information literacy. Various instructional strategies and activities to promote and teach literacy in the CTE content areas are introduced. Student Learning Objective format for planning will be examined.



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.

SUMMER SEMESTER

CTE-101 Introduction to CTE Environments (3)

CTE-112 Classroom Management & Lab Safety in CTE (3)

FALL SEMESTER

CTE-216 Exceptional Learners in CTE Environments (3)

CTE-217 Teaching Literacy Skills in CTE Environments (3)

SPRING SEMESTER

CTE-212 Assessment & Evaluation in CTE Environments* (3)

CTE-204 Teaching Process in CTE Environments (3)



TOTAL CREDITS 18

CTE 212 - Assessment and Evaluation in CTE Environments

Assessment and Evaluation (A&E) as it pertains to teaching and learning in CTE environments is discussed in this course. Historical context, philosophy, and purpose of A&E as it impacts curriculum design, pedagogy, and skill mastery for the student and teacher will be investigated. Formative and summative assessments, authentic and alternative assessments, rubrics, and standards-based testing are discussed. A competency-based Unit of Study with assessments and evaluations based on industry standards and any national curriculum currently in place will be developed by students who take this class. Additional topics of discussion will include current A&E theories, high stakes testing, and accountability.

CTE 204 – Teaching Process in CTE Environments

This course examines interdisciplinary curriculum planning and various instructional strategies and assessment methods that effective teachers use to engage students in the learning process. The InTASC Model Core Teaching Standards, the Maine Common Core Teaching Standards and Industry Standards for Career and Technical Education programs will be used to identify how learners progress in acquiring the critical dispositions, essential knowledge and performances that characterize best practices in the teaching profession.



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