### CAREER AND TECHNICAL EDUCATION (CTE)

**CTE 3304. Human Relations for Career and Technical Education Teachers.**
This course emphasizes the combination of psychological and sociological factors that influence relationships of CTE teachers in the pursuit of professional duties. Strategies for teaching students and mentoring employees on the dynamics of human relations are highlighted.

*3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter*

**CTE 3307. Selection, Placement, and Follow-up in Career and Technical Education.**
This course provides an overview of the practices of occupational selection, placement of students in suitable employment and cooperative sites, and coordinating the relationship between school and workplace site.

*3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter*

**CTE 3308. Problems in Cooperative Training.**
The course highlights the organization, presentation, and selection of content material necessary in part-time work-based learning programs. The need for community, workplace/industry, family, school, and student partnerships in curricular assessment is emphasized.

*3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter*

**CTE 3313A. Special Needs Students in CTE.**
This course involves in-depth studies of characteristics, principles of inclusion, development and implementation of individualized programs of instruction and collaboration with school personnel for effective education of special needs students, including special education, limited-language proficiency, and gifted and talented students.

*3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter*

**CTE 3313F. Development and Change in Organizations.**
Today's organizations face constant pressures to change—whether a government entity, a private business, a not-for-profit, or an educational institution. This course introduces how to effectively facilitate change by examining the issues and practices of organization development (OD), including what kinds of interventions to apply in various contexts and situations.

*3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter*

**CTE 3313G. Introduction to Leadership.**
This course provides an overview of current leadership theory and research with emphasis on practical application. Students will examine the complexities of practicing leadership, analyze models of effective leadership, and explore concrete strategies for becoming better leaders.

*3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter*

**CTE 3313H. Creating a Purposeful Life Plan: A Journey of Self-Exploration and Discovery.**
Students in this course will apply analytical tools, psychology and sociology theory, and planning skills in developing a plan consisting of personal and professional goals in seven areas that define a purposeful life. They will also master techniques, including the selection and use of mobile apps to implement their goals.

*3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter*

**CTE 3313J. Trends and Issues in Occupational, Workforce, Leadership Studies.**
Students will examine emerging trends and issues impacting today's workplace. The students will search the literature for research-based articles and synthesis the information and create abstracts and key points. Specific course content will vary significantly offering to offering based on unique needs and interest of course participants.

*3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter*

**CTE 3313K. STEM Literacy for the Workplace.**
This course will introduce students to critical STEM literacy skills needed to thrive in the STEM workforce. Students will explore STEM literacy skills to relate them to high demand occupations, evaluate their personal STEM literacy experiences, and create a learning plan to enhance their STEM knowledge and skills.

*3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing|Topics
Grade Mode: Standard Letter*

**CTE 3315. Leadership and Professional Development.**
This course prepares students to examine and apply principles of leadership to create their own applicable model of influencing others. Topics covered include leadership behavior, strategic thinking, managing energy, and getting results within an organization.

*3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Writing Intensive
Grade Mode: Standard Letter*

**CTE 3320. Effective Methods of Teaching and Training.**
This is an introductory/fundamental course for instructors in trade and industrial education seeking certification and technical trainers who are not seeking certification. It is designed to prepare these individuals to apply effective teaching principles and techniques, to prepare lesson plans, and manage classrooms. Practice teaching will be included.

*3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter*
CTE 3321. Work-based Learning in Career and Technical Education.
This course is intended for teacher coordinators of work-based
program in trade and industrial cooperative education. There is an
emphasis on selection of occupations and appropriate training stations,
student recruitment, instruction coordination in on-the-job educational
experiences, state and local report preparation and required record
keeping systems.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3322. Teaching and Training as Professions.
This course emphasizes the professional requirements of teaching and
training in a variety of settings. Professional topics include licensure and
preparation for the profession, organizations, philosophical foundations
of teaching and training, and the socio-political landscape of teaching
and training.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3323. Technology Applications.
This course covers the use and integration of computers in the classroom
or office. Topics include history of computers, use of word processor,
spreadsheet, and presentation software; overview of common computer
programs; history and use of the Internet, and computer security.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3324. Entrepreneurship in Schools, Communities, and the
Workplace.
Students will gain an in-depth understanding of entrepreneurship and its
application in the contexts of schools, communities, and the workplace.
This course intersects entrepreneurial concepts in career and technical
education with educational entrepreneurship, social entrepreneurship,
and intrapreneurship.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

This course allows students to explore past and present occupational
trends, new and emerging occupations and the 21st century occupational
skills necessary for success. Students will explore transferability of
occupational skills and how these skills are applied and packaged for
career transitions.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3380. Education and Training Programs in Workforce Settings.
This course helps students investigate the range of programs related to
education and training in Workforce settings. Students will investigate
government policies, program coordination techniques, and organizations
related to learning in the workplace. Students will explore local programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 3381. Strategies for Education and Training in Workforce Settings.
This course provides an overview of identifying curriculum, individual
learning styles, needs of learners in the workforce, instructional
strategies, providing support for diverse learners, inclusive instructional
strategies, and the use of technology and assessment in workforce
settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 4302. Coordination Techniques.
This course presents an overview of the cooperative program in
marketing and distributive education (MDE), the establishments of MDE
programs, the guidance, selection and placement of students, adjustment
of work for individual needs, setting student objectives, evaluation, labor
laws, and public relations relevant for MDE programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 4304. Organization and Management of Marketing Education
Programs.
This course provides instruction on the organization and administrative
structure of marketing organization in the United States. Additionally, the
use of objectives, program improvement techniques, appropriate teacher
selection techniques, and evaluative criteria are emphasized in relation to
marketing and distributive education programs.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 4310. Independent Study in Career and Technical Education.
This course is an independent study of various subjects in CTE. Work is
done on an independent basis under the direction of the faculty member.
Repeatable for credit with different emphases.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

CTE 5300. Career and Technical Education Student Identification,
Placement, and Follow-up.
This course provides an overview of the theory, methods, and instruments
used in determining occupational aptitude, programs of job placement,
and the study of the development and coordination of student follow-up.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5301. Technology of Teaching.
This course presents the research and theory related to the technology of
teaching. Topics include learning theories, effective teaching techniques,
motivation and performance, evaluation, and classroom dynamics.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5303. Interdisciplinary Studies in Occupational, Workforce, and
Leadership Studies.
This course provides an overview of interdisciplinary studies' frameworks
in the fields related to occupational, workforce, and leadership studies.
Students investigate career options, develop plans of study, integrate
interdisciplinary academic material, and refine interdisciplinary writing
skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
CTE 5305. Laboratory and Classroom Organization and Management.
This course involves the organization and management of CTE classroom and instructional laboratories and related materials. It includes the establishment of record and inventory systems, establishment of student rotations, hygiene and safety requirements, working with suppliers and potential donors, and maintenance of equipment.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5306. Instructional Materials Development Technology.
This course provides students opportunities to develop knowledge, skills, and abilities relevant to assessing instructional materials in education and training, within the context of real-world settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5307. Selection, Placement, and Follow-Up in Cooperative Education.
This course provides an overview of organizing and operating cooperative training programs in the community. It includes instruction in the procedures for assisting in the selection of occupations appropriate for students, assisting students in managing school and work time, and coordinating of school and workplace instructional efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5308. Problems in Cooperative Training.
This course provides a review of basic standards for cooperative education, underlying reasons for standards, and current issues/problems in cooperative education programs. Students will discuss and provide solutions to current dilemmas of cooperative education, through the use of organizational research techniques and organizational problem solving.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5312. Development, Organization, and Use of Instructional Material.
This course involves the selection of lesson content, lesson planning, and instructional material development. The emphasis is on the effective development and evaluation of instructional materials. A variety of methods will be taught to gather and utilize instructional materials.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5313C. Teaching Entrepreneurship in Career and Technical Education.
This course includes a study and analysis of ownership, marketing strategies, location, financing, regulations, managing, and protecting a business. Students will analyze current research and techniques in teaching entrepreneurship in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing Topics
Grade Mode: Standard Letter

CTE 5313L. Emergent Workplace Perspectives.
This course examines the emergent and evolving nature of the modern workplace. Students will explore topics related to interdisciplinary perspectives in the workplace such as inequality related to gender and race, workers’ rights, knowledge, control, the role of technology, and globalization.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing Topics
Grade Mode: Standard Letter

CTE 5313M. Program Evaluation in Career and Technical Education.
Students will gain an in-depth understanding of terminology and program evaluation, guiding principles, approaches and models, and professional standards utilized while conducting program evaluations of career and technical education (CTE) programs. Students will apply these concepts to design a program evaluation proposal for an existing or proposed CTE program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing Topics
Grade Mode: Standard Letter

CTE 5314. Human Relations for Career and Technical Education Teachers.
This course includes a study of methods of establishing and maintaining effective relationships with students, co-workers, families, business and industry, and community members. Strategies for teaching students and mentoring employees on the dynamics of human relations are highlighted.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5315. Leadership and Professional Development.
This course provides an overview of leadership approaches used in various educational, training, and workplace settings. Students will explore current research on leadership and engage in activities geared toward building leadership skills.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5320. Effective Methods of Teaching and Training.
This fundamental course is for trade and industrial educators seeking certification and technical trainers who are not seeking certification. It is designed to prepare them to apply effective teaching principles and techniques. Lesson plans will be prepared, classrooms managed, and practice teaching included.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5321. Work-based Learning in Career and Technical Education.
This course is intended for teacher coordinators of work-based programs in trades and industrial cooperative education. There is an emphasis on selection of occupations and training stations, student recruitment, instructional coordination in numerous on-the-job experiences, state and local reports, and recordkeeping requirements. Research is conducted on local districts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
CTE 5322. Teaching and Training as Professions.
This course emphasizes the professional requirements of teaching and training in a variety of settings. Professional topics include licensure and preparation for the profession, organizations, philosophical foundations of teaching and training, and the socio-political landscape of teaching and training. Research is conducted on reform efforts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5323. Technology Applications.
This course covers the use of computers in the classroom or office. Topics include history of computers, philosophies of computer integration, research in computer use, overview of common computer programs, and history and use of the Internet. Trades and Industry teacher candidates will review for the TExES examination.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5324. Human Performance in the Workplace.
The course provides an overview of current quality improvement strategies utilized in business and industry settings. Topics include the teaching of Human Performance Technology (HPT), organizational culture, teamwork, leadership, measuring improvement, statistical process control, and restructuring of work.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5330. Overview of Interdisciplinary Research.
Students will become familiar with various interdisciplinary research methods, learn concepts related to research, and conduct reviews and critiques of academic research articles. The application of academic research to practical problems will be emphasized.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5341. Supervision of Career and Technical Education.
This course provides an overview of skills and attitudes for the supervision of personnel in the field of CTE. Students will learn the dynamics of supervision, the supervisor’s role in the workplace, and the evaluation of instructional and other personnel in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

This course deals with the collection, evaluation, and interpretation of common occupational, career, and personal information. It includes an overview of current theory and research in occupational selection techniques, psychological and sociological factors in career selection, and job analysis. The emphasis is on the practical application in CTE settings.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

CTE 5390. Independent Study in Career and Technical Education.
This is an independent study course involving the study of important and timely topics in CTE. Students complete the study at the direction of the faculty member. This course may be repeated with different topics with departmental permission.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter