

# Career & Technical Education

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The Career and Technical Education Program serves individuals working in the field of workforce development, including secondary and/or post-secondary career and technical education and technical training in industry. The following teacher education degrees/certifications are offered at the undergraduate level:

- Business, Computer and Information Technology Education
- Marketing Education

**Note:** All students enrolling in the Business, Computer and Information Technology Education or Marketing Education options are advised by Academic Advisors in the Shimada Resource Center (SRC) in the College of Education and Human Development and should meet with an advisor each semester.

## Programs

- B.S.Ed. in Career & Technical Education
- B.S.Ed. in Career & Technical Education with Business, Computer & Information Technology Education Concentration
- B.S.Ed. in Career & Technical Education with Marketing Education Concentration
- Certification Programs

## Courses

### **CTE 3101. Principles of Career and Technical Education. 3 Credit Hours.**

For prospective career and technical education teachers and technical trainers. Provides an in-depth analysis of the context in which contemporary career and technical programs operate. Emphasis is placed on the philosophical concepts underlying career and technical education, an examination of issues and problems in present programs and how research on teaching practice drives curricular change. NOTE: General familiarity with internet searching and navigation necessary. Some course assignments will be posted on Blackboard. Students are to inquire with the program for technical equipment requirements.

**College Restrictions:** Must be enrolled in one of the following Colleges: Education & Human Development.

**Repeatability:** This course may not be repeated for additional credits.

### **CTE 3102. Teaching Strategies in Career and Technical Education. 3 Credit Hours.**

This course focuses on developing teaching competence. The following will be addressed: models of teaching for achieving instructional outcomes in career and technical areas; using performance standards to prepare and present content lessons; evaluation of instructional outcomes; integration of technology in instruction; serving students with special needs; creating an environment for student learning, differentiated instruction. NOTE: General familiarity with internet searching and navigation necessary. Some course assignments will be posted on Blackboard. Students are to inquire with the program for technical equipment requirements.

**College Restrictions:** Must be enrolled in one of the following Colleges: Education & Human Development.

**Repeatability:** This course may not be repeated for additional credits.

**CTE 3103. Curriculum in Career and Technical Education. 3 Credit Hours.**

Develop strategies for designing, implementing, and evaluating curriculum in career and technical education. Acquire knowledge, skills, and methods to validate a curriculum. Develop the skill to analyze an occupation in terms of duty and tasks performed; develop the skill to prepare valid performance objectives; determine scope and sequence schedules; aligning content, learning experiences, assessment and performance standards. NOTE: General familiarity with internet searching and navigation necessary. Some course assignments will be posted on Blackboard. Students are to inquire with the program for technical equipment requirements.

**College Restrictions:** Must be enrolled in one of the following Colleges: Education & Human Development.

**Repeatability:** This course may not be repeated for additional credits.

**CTE 3241. Methods of Teaching Business Education, Marketing Education, and Computer Applications. 3 Credit Hours.**

Instructional strategies in the teaching of Business, Computers, and Information Technology and Marketing are analyzed and demonstrated. Students are required to prepare lesson plans, teach demonstration lessons, develop a unit plan, participate in our profession, and complete the Intermediate Performance Assessment (IPA; if not completed before). The high expectations of this course will be met by all students to include English language learners and special education students. Lessons will integrate appropriate PA Standards for Business, Computers, and Information Technology or comparable standards, such as those for the National Business Education Association and the Temple College of Education Standards for Effective Teaching. Emphasis is placed on professionalism, and planning and skillful teaching that meet the needs of all students, including those with special needs, diverse, socio-cultural backgrounds, and English language learners. Demonstration lessons will be integrated with the course work to encourage developing teaching competency through a series of presentations appropriate to the student's certification interests.

**College Restrictions:** Must be enrolled in one of the following Colleges: Education & Human Development.

**Cohort Restrictions:** Must be enrolled in one of the following Cohorts: EDCNDCY.

**Repeatability:** This course may not be repeated for additional credits.

**CTE 3372. Project-based Learning for Today's CTE. 3 Credit Hours.**

The course is designed to help pre-educators and in-service educators plan and apply learning theory and principles of project-based learning to the development of Career and Technical Education and Business/Marketing related instruction in the classroom.

**College Restrictions:** Must be enrolled in one of the following Colleges: Education & Human Development.

**Repeatability:** This course may not be repeated for additional credits.

**CTE 3389. Supervised Work Experience. 1 to 6 Credit Hour.**

This course provides certification candidates with education in the workplace experiences, including practical technical experience to supplement classroom instruction. An individualized training plan for the workplace is developed for each student. Staff visitations and joint supervision occur at the placement site.

**College Restrictions:** Must be enrolled in one of the following Colleges: Education & Human Development.

**Repeatability:** This course may be repeated for additional credit.

**CTE 4285. Industry Education Capstone and Field Experience for Work-Based Learning. 1 to 6 Credit Hour.**

Evaluation of field work, including in-service education and/or technical experiences that can enhance a candidate's occupational specialty, certification program, and/or strategies for connecting school and real world experiences.

**College Restrictions:** Must be enrolled in one of the following Colleges: Education & Human Development.

**Repeatability:** This course may be repeated for additional credit.

**CTE 4300. Wkshp Vocational Ed. 1 to 6 Credit Hour.**

**Repeatability:** This course may be repeated for additional credit.

**CTE 4315. Credit by Examination. 1 to 24 Credit Hour.**

Credit by examination is limited to students matriculated in the undergraduate Career and Technical Education (Industrial Education majors) degree program and who have met the following conditions: (a) completed 90 s.h. of approved course work, and (b) have received approval to have credit awarded toward their degree based on the successful completion of an Occupational Competency Assessment in a PDE Certification area.

**College Restrictions:** Must be enrolled in one of the following Colleges: Education & Human Development.

**Repeatability:** This course may not be repeated for additional credits.

**CTE 4324. Industry-Based Coordination Methods for Work-Based Learning. 3 Credit Hours.**

The history, development, and operation of cooperative education programs are addressed in this course. Also covered are the development and promotion of a workplace-learning program, the development of workplace learning partnerships, workplace learning sites, safety considerations for students in the workplace, and connecting work-based and school-based learning. NOTE: This course is offered in a blended instructional format through a combination of online instruction and some face-to-face, whole class meetings. Students are to inquire with the program for technical equipment requirements.

**College Restrictions:** Must be enrolled in one of the following Colleges: Education & Human Development.

**Repeatability:** This course may not be repeated for additional credits.

**CTE 4331. Industry-Based Instructional Methods for Work-Based Learning. 3 Credit Hours.**

This course covers the role of the teacher-coordinator in conducting and teaching procedures and activities necessary for providing successful supervised field experiences for students in the workplace. Also covered are methods of establishing contact with students, employers, teachers, parents, and community leaders, career and technical student organizations, and students with special needs, as well as developing and understanding labor laws and other legal requirements affecting student workers/interns. NOTE: This course is offered in a blended instructional format through a combination of online instruction and some face-to-face, whole class meetings. Students are to inquire with the program for technical equipment requirements.

**College Restrictions:** Must be enrolled in one of the following Colleges: Education & Human Development.

**Repeatability:** This course may not be repeated for additional credits.

**CTE 4416. Professionalism, Evaluation, and Assessment in Secondary Education. 3 Credit Hours.**

This course is designed to build a knowledge base for educational assessment and evaluation, Career and Technical Education curriculum development, and professional development, providing the opportunity to apply this knowledge in an actual classroom/laboratory setting. This course will also consider teaching strategies for the success of all learners, including special population students.

**College Restrictions:** Must be enrolled in one of the following Colleges: Education & Human Development.

**Repeatability:** This course may not be repeated for additional credits.