

CAREER & TECHNICAL EDUCATION (CTE)

CTE 100 COMPREHENSIVE THEORETICAL TRADE OR TECHNICAL SKILLS

15, 0/0

Credit is awarded for satisfactory completion of trade theory. Assessment of competency is based on verification of four years' employment in a trade normally taught in vocational high school programs. Graduates of community college technical programs in appropriate trades are required to verify two years' employment. The National Occupational Competency Testing Institute Examination and/or other assessment techniques may be used to determine credit of 15 semester hours. Offered every semester.

CTE 200 COMPREHENSIVE TRADE OR TECHNICAL PERFORMANCE SKILLS

15, 0/0

Credit is awarded for satisfactory completion of trade theory. Assessment of competency is based on verification of four years' employment in a trade normally taught in vocational high school programs. Graduates of community college technical programs in appropriate trades are required to verify two years' employment. The National Occupational Competency Testing Institute Examination and/or other assessment techniques may be used to determine credit of 15 semester hours. Offered every semester.

CTE 301 FOUNDATIONS OF CAREER AND TECHNICAL EDUCATION

3, 3/0

Introduction to the teaching of occupational education courses in public schools; principles, philosophy, and objectives; historical development of occupational education and the development of current issues for an occupational education program. Offered every semester.

Equivalent Courses: BME 301, FCS 301

CTE 302 CURRICULUM AND EVALUATION IN CAREER AND TECHNICAL EDUCATION

3, 3/0; IN23, RE23

Introduction to the curriculum and evaluation in business/marketing and technology education. State curriculum and standards, lesson planning, student learning, and curriculum evaluation. Offered every semester.

Equivalent Courses: BME 302, FCS 302

CTE 303 INSTRUCTIONAL STRATEGIES IN CAREER AND TECHNICAL EDUCATION

3, 3/0

Instructional strategies dealing with classroom management, classroom environment, and educational technologies. 100 hours of field experience prior to student teaching required. Offered every semester.

Equivalent Courses: BME 303, FCS 303

CTE 306 CLASSROOM/LABORATORY MANAGEMENT

3, 3/0

Organizational factors that influence the success of career-technical education teachers. Includes facility planning, redesign, and managerial phases of the career-technical teacher's responsibilities. Offered fall only.

CTE 311 CAREER MENTORING

3, 1/2

Prerequisite: Enrollment in CTE, BME, TED or FACS majors or permission of the chair. Overview of career awareness for exploration, guidance, and workplace skills. Classroom pedagogy and field experiences provide mentoring opportunities with middle school and high school students or with adults seeking retraining for new career choices. Majors obtain teaching skills while providing service to the community at off-campus locations during class times. Includes demonstrations of various trade skills and career fairs. Classes meet on and off campus. Offered every semester.

CTE 350 SCHOOL AND COMMUNITY RELATIONSHIP FIELD EXPERIENCE

3, 1/2

Prerequisite: CTE major. Overview of school and community relations. Classroom and field experience involves students in the concepts of planning and executing a successful vocational-career promotional event. Students are placed off campus at community sites and/or middle school or high school locations. Thirty hours of internships and promotional events at off-site locations are required. Offered spring only.

CTE 402 ASSESSMENT IN CAREER AND TECHNICAL EDUCATION

3, 3/0

Prerequisite: CTE 302. Overview of assessment in classroom, laboratory, internship, and clinical situations. Principles of effective assessment include different approaches and methods of assessment, evaluation, and testing techniques. Addresses portfolio development, reflective journals, authentic and performance assessment, and objective testing as applicable to career and technical subjects. Offered fall only.

CTE 404 METHODS OF TEACHING CAREER AND TECHNICAL SUBJECTS

3, 3/0; IN23, RE23

Prerequisites: BME/CTE/FCS 301 and BME/CTE/FCS 302. Basic principles and methods of teaching business and marketing subjects. Prepares the student to effectively teach subjects in this area. Offered every semester.

Equivalent Courses: BME 411, FCS 404

CTE 413 STUDENT TEACHING CAREER AND TECHNICAL EDUCATION

3-6, 0/3; IN23, RE23

Prerequisites: CTE 302, CTE 404, and NOCTI Trade Examination or equivalent. Career and technical education major and completion of at least 18 credits in CTE required courses. Supervised teaching in career-technical classes in selected career-technical schools, in various types of schools and communities. Three hundred hours of practice teaching in off-site campus programs required. Conferences and reports based upon teaching assignments are required. Seminar discussions consist of professional problems of the beginning teacher. Students should be prepared to accept assignment at any school designated by the student-teacher coordinator. Student-teaching assignments are located throughout Western New York. Offered every semester.

CTE 415 PROFESSIONAL DEVELOPMENT SEMINAR

3, 3/0

Prerequisite: Successful completion of the basic writing requirement. Synthesis of pedagogical courses and practice-teaching experience. Analysis of problems that confront teachers. Offered fall only.

CTE 421 CAREER AND TECHNICAL EDUCATION FOR STUDENTS WITH SPECIAL NEEDS

3, 3/0

Planning, coordinating, and delivering programs for individuals with special needs found in secondary and postsecondary schools, rehabilitation centers, and correctional facilities. Development of methods and techniques for teaching and assessing the work potential of individuals with special needs. Development of self-help devices/adaptive equipment. Identifying instructional resources. Offered every semester.

CTE 435 CURRICULAR PROBLEMS OF CAREER AND TECHNICAL SCHOOLS

3, 3/0

Prerequisites: CTE 302 and CTE 404. Basic principles and foundations of curriculum development for trade and technical programs. Technological, sociological, and educational factors that effect change in curriculum. The integral parts of a curriculum and newer concepts of curriculum programs and materials. Emphasis on curricular problems of teachers and administrators in their individual schools. Offered alternate years.

CTE 450 ORGANIZATION OF DIVERSIFIED COOPERATIVE WORK-STUDY PROGRAMS

3, 0/0

CTE 450

CTE 455 OPERATION OF DIVERSIFIED COOPERATIVE WORK-STUDY PROGRAMS

3, 0/0

CTE 455

CTE 479 POSTSECONDARY INSTRUCTION PRACTICUM

6, 1/5

Prerequisites: CTE 302, CTE 404, and NOCTI Trade Examination or equivalent; career and technical education major; completion of at least 18 credit hours in required CTE courses. Part- or full-time teaching assignment in a post secondary-level, career-technical education program. Develops and refines skills and understandings of the teaching-learning process as it relates to career-technical teaching, under the guidance and supervision of college faculty. S or U grade only. Offered alternate years.

CTE 489 INDUSTRIAL TRAINER PRACTICUM

6, 3/3

Prerequisites: CTE 302, CTE 404, and NOCTI Trade Examination or equivalent; career and technical education major; completion of at least 18 credit hours in CTE required courses; CTE program coordinator approval. Part- or full-time assignment in a business or industrial training program. Develops and refines skills and understanding of occupational training practices, under the guidance and supervision of business and industry training personnel and college faculty. S or U grade only. Offered alternate years.

CTE 492 OCCUPATIONAL PRACTICUM

6, 3/3

Prerequisites: CTE 100 and CTE 200 (NOCTI Trade Examination) or equivalent; career and technical education major. Advanced specialization development for students with prior occupational experience such as on-the-job upgrading, occupational workshops, and in-service institutes. May be taken for credit more than once by advisement. Offered alternate years.

CTE 495 SPECIAL PROJECT

3, 0/0

Offered alternate years.

CTE 497 SPECIAL WORKSHOP

3, 0/0

Offered summer only.

CTE 499 INDEPENDENT STUDY

3-30, 0/0

Offered every summer.