Career and Technical Education (CATE)

Courses

CATE 3003. Teaching Housing and Interior Design to Secondary Students. 3 Hours.
This course prepares students to teach housing and interior design concepts to students in secondary school settings. Topics to be covered include housing needs and decisions, architectural design and construction, furnishings, safety and security, and careers related to the housing industry. Problem-based and project-based learning will provide the foundation for content delivery in this course.

CATE 3103. Introduction to Professionalism. 3 Hours.
Studying and developing professional concepts in vocational education with accepted principles of professionalism in secondary education settings. Prerequisite: Career and Technical Education (CATE) students only.

CATE 380V. Supervised Work Experience. 1-9 Hour.
Supervision in business and industry under guidance. Designed for students who desire or need directed occupational experience. May be repeated for up to 6 hours of degree credit.

CATE 390V. Competency Based Teacher Development: Program Organization. 3-12 Hour.
Development of competencies related to the methodology of instructional planning, execution, and evaluation. Provided by PBTE modules and University resource person. Enrollment before CATE 391V and CATE 392V. Prerequisite: Employed in service vocational-technical education field based instructor. May be repeated for up to 12 hours of degree credit.

CATE 391V. Competency Based Teacher Development - Teaching Adults. 3-12 Hour.
Development of competencies related to vocational guidance, contemporary instructional techniques, and student vocational organizations. Provided by PBTE modules and University resource person. Prerequisite: Completion of 12 credit hours of CATE 390V and employee in-service-vocational-technical education field based instructor. May be repeated for up to 24 hours of degree credit.

CATE 392V. Competency Based Teacher Development: Teaching & Learning. 3-12 Hour.
Development of competencies related to program planning, development, evaluation; school community relations; and professional development. Provided by CBTD modules and University resource person. Prerequisite: Completion of 12 credit hours of CATE 391V and employee in-service-vocational-technical education field based instructor. May be repeated for up to 24 hours of degree credit.

CATE 393V. Competency Based Internship: Educational Legal Issues. 3-6 Hour.
In an actual school setting the student will satisfactorily demonstrate the competencies required to conduct a total vocational-technical education program. Instruction and follow-up will be provided by a University resource person. Prerequisite: Completion of 12 credit hours of CATE 392V and employee in-service-vocational-technical education field based instructor. May be repeated for up to 12 hours of degree credit.

CATE 4003H. Honors Introduction to Professionalism. 3 Hours.
Studying and developing professional concepts in vocational education with accepted principles of professionalism applied to career and technical education settings. This course is equivalent to CATE 3103.

CATE 4013. Teaching Strategies. 3 Hours.
Methods and techniques in the preparation and delivery of teaching. Prerequisite: CATE 3103.

CATE 4023. Classroom Management. 3 Hours.
Theory and techniques in classroom management, including professional ethics and school policies related to students, faculty and programs. Prerequisite: CATE 3103.

CATE 4033. Assessment / Program Evaluation. 3 Hours.
An introduction to constructing, evaluating and interpreting tests; descriptive and inferential statistics; state competency testing; and guidelines for state program valuations. Prerequisite: CATE 3103.

CATE 4052. Seminar Teaching Internship. 2 Hours.
Site-based field experiences are integrated with the course content to provide continuity between theory and practice. Classroom management, ethics and diversity are emphasized. Corequisite: CATE 406X.

CATE 406X. Teaching Internship. 12 Hours.
A minimum of 15 weeks will be spent in an off-campus school, at which time the student will have an opportunity under supervision to observe, to teach and to participate in other activities involving the school and the community. Successful completion of a criminal background check required before student can begin internship. Prerequisite: Senior status, CATE 3103, CATE 4013, CATE 4023, CATE 4033, CIED 3023 or CIED 4023 and CIED 3033.

CATE 4073. Introduction to Teaching Programming in the Secondary Schools. 3 Hours.
This course provides an introduction to the foundations of teaching methods for computer programming in the secondary schools. Methods of computer programming instruction will include teaching strategies in coding, developing computational thinking, problem-solving skills, and applying key programming concepts. This is an introductory level course. No prerequisites are required.

CATE 4083. Problems in Career & Technical Education. 3 Hours.
Problems and issues relating to instruction in career and technical education. You must have approval by the instructor of this course to enroll.

CATE 5003. Introduction to Professionalism. 3 Hours.
This course examines the principles and concepts of professionalism in the teaching profession, with an emphasis on developing professional concepts in the profession. Added emphasis is on career and technical education organizations. Prerequisite: Admission to the CATE teacher education program.

CATE 5013. Teaching Strategies. 3 Hours.
This course is designed to offer a variety of ideas and experiences concerning methods of teaching, planning and presenting instruction.

CATE 5016. Cohort Teaching Internship. 6 Hours.
A minimum of 12 weeks will be spent in an off-campus school, at which time the intern will have an opportunity under supervision to observe, to teach, and to participate in other activities involving the school and the community. Prerequisite: Admission to the College of Education and Health Professions Teacher Education and CATE Master's program.

CATE 5023. Classroom Management. 3 Hours.
(Formerly CATE 4023.) Theory and techniques in classroom management, including professional ethics and school policies related to students, faculty and programs. Graduate degree credit will not be given for both CATE 4023 and CATE 5023. Prerequisite: CATE 3103.

CATE 5033. Assessment/Program Evaluation. 3 Hours.
An introduction to constructing, evaluating, and interpreting tests; descriptive and inferential statistics; state competency testing; and guidelines for state program evaluations. Prerequisite: Graduate standing.
CATE 5073. Introduction to Teaching Programming in the Secondary Schools. 3 Hours.  
(Formerly CATE 4073.) This course provides an introduction to the foundations of teaching methods for computer programming in the secondary schools. Methods of computer programming instruction will include teaching strategies in coding, developing computational thinking, problem-solving skills, and applying key programming concepts. This is an introductory level course. No prerequisites are required. Graduate degree credit will not be given for both CATE 4073 and CATE 5073.

CATE 5443. Teaching Career Development in Public Schools. 3 Hours.  
This course provides a study of curricula, methods, and techniques involved in teaching career development as related to the 16 occupational clusters. Successful completion of this course is required for licensed teachers to earn their 418 Career Development endorsement. Corequisite: Lab component.

CATE 5453. Methods of Teaching Middle School Career Development. 3 Hours.  
Provides a survey of types and sources of occupational information and methods of providing occupational-oriented experiences. Designed for teachers and future teachers of career orientation and is 1 of 2 required courses for vocational career orientation.

CATE 5463. Applications in Career Orientation. 3 Hours.  
Student is introduced to various teaching methods and techniques of managing hands-on activities in career orientation class setting.

CATE 5503. Trends and Issues in Technology Education. 3 Hours.  
A comprehensive technology education methods course pertaining to the teaching of standards-based curriculum materials.

CATE 5543. Technology for Teaching and Learning. 3 Hours.  
A study of computer technology as it relates to teacher education. This course concentrates on knowledge and performance and includes hands-on technology activities that can be incorporated in an educational setting. Students interact with the instructor and other students via BlackBoard and engage in weekly discussions and acquire hands-on computer technology experience.

CATE 5573. Instructional Materials. 3 Hours.  
A comprehensive course designed to give students the opportunity to understand, prepare, and test materials leading toward excellence in instruction. The focus of this course is the design and development of instructional media and materials utilizing different multimedia and software for use in educational programs. This includes the development of computer based, general instructional materials.

CATE 5803. Teaching Apparel Production to Secondary Students. 3 Hours.  
This course prepares students to teach apparel production concepts to students in secondary school settings. Topics to be covered include clothing selection, textiles, clothing care and laundry, clothing construction, and careers and technology. Problem- and project-based learning will provide the foundation for content delivery in this course. The focus on this course is on preparing preservice teachers in secondary schools to teach apparel production utilizing a variety of teaching methods.