Career and Technical Education (CATE)

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See Curriculum and Instruction (http://catalog.uark.edu/graduatecatalog/programsofstudy/curriculumandinstructiondepartmentofcied) for full departmental faculty listing.

Degrees Conferred:  
M.Ed. in Career and Technical Education (CATE)

Program Description: The degree of Master of Education in Career and Technical Education is available for students who possess a bachelor's degree in business, family and consumer sciences, or technology education or a related field in any of those areas. Candidates may choose one of two options. Option 1 is designed for the candidate who has a bachelor's degree in a related field in career and technical education and is interested in obtaining Arkansas teacher licensure. Option 2 is designed to meet the needs of current professionals in the field who desire to attain further education and an advanced degree in career and technical education.

Primary Areas of Faculty Research: Business technology, family and consumer sciences education, technology education, and STEM.

M.Ed. in Career and Technical Education

Admission to the Master of Education Degree: For acceptance to the master's degree program in career and technical education, the candidate must meet all general requirements of the Graduate School, an undergraduate program in career and technical education (business education, family and consumer science education, technology education) or in a related field. Additional prerequisites prescribed by the program area are: passing scores for Praxis I and Praxis II: Content and a successful interview by CATE faculty.

Requirements for the Master of Education Degree: (Minimum 33 hours)

Candidates for the master's degree in career and technical education must complete nine hours of core courses and 24 hours of professional education courses. In addition to the program requirements listed below, all degree candidates must successfully complete a written comprehensive examination.

Required Core Courses 9

Choose one course from the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESRM 5013</td>
<td>Research Methods in Education</td>
<td>3</td>
</tr>
<tr>
<td>ESRM 5393</td>
<td>Statistics in Education and Health Professions</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one course from the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EDFD 5373</td>
<td>Psychological Foundations of Teaching and Learning</td>
</tr>
</tbody>
</table>

Choose one course from the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>EDFD 5573</td>
<td>Life-Span Human Development</td>
</tr>
<tr>
<td>EDFD 5303</td>
<td>Historical Foundations of Modern Education</td>
</tr>
<tr>
<td>EDFD 5353</td>
<td>Philosophy of Education</td>
</tr>
</tbody>
</table>

Required Professional Education Courses 24

Option 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CATE 5003</td>
<td>Introduction to Professionalism</td>
</tr>
<tr>
<td>CATE 5023</td>
<td>Classroom Management</td>
</tr>
<tr>
<td>CATE 5013</td>
<td>Teaching Strategies</td>
</tr>
<tr>
<td>CATE 5016</td>
<td>Cohort Teaching Internship</td>
</tr>
<tr>
<td>CATE 5033</td>
<td>Assessment/Program Evaluation</td>
</tr>
</tbody>
</table>

Option 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CATE 5543</td>
<td>Technology for Teaching and Learning</td>
</tr>
<tr>
<td>CATE 5573</td>
<td>Instructional Materials</td>
</tr>
</tbody>
</table>

Six semester hours selected with adviser's consent 6

Three semester hours of other professional education courses 3

Students should also be aware of Graduate School requirements with regard to master's degrees (http://catalog.uark.edu/graduatecatalog/degreerequirements/#mastersdegreetext).

Graduate Faculty

Carter, Vinson R., Ph.D., M.A.T., B.S. (University of Arkansas), Assistant Professor, Department of Curriculum and Instruction, 2008.

Daugherty, Michael, Ed.D., M.S., B.S. (Oklahoma State University), Professor, Department of Curriculum and Instruction, 2005.

Orr, Betsy, Ed.D., M.Ed. (University of Arkansas), B.A. (University of Arkansas at Monticello), Associate Professor, Department of Curriculum and Instruction, 1989.

Courses

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.