

UMES MCCTES Course Schedule - 2011 to 2015																		
Course No.	Course Title	Course Application	No. Credit	Semester & Summer Session 2011			Semester & Summer Session 2012			Semester & Summer Session 2013			Semester & Summer Session 2014			Semester & Summer Session 2015		
				SPRING 11	SUMMER 11 Session 1,2,3,A	FALL 11	SPRING 12	SUMMER 12 Session 1,2,3,A	FALL 12	SPRING 13	SUMMER 13 Session 1,2,3,A	FALL 13	SPRING 14	SUMMER 14 Session 1,2,3,A	FALL 14	SPRING 15	SUMMER 15 Session 1,2,3,A	FALL 15
Agricultural Education Courses																		
AEED 423	Extension Education (NCS 501)	AG ED, CTE MEd	3	COURSE OPTIONS FOR THIS AREA AVAILABLE BEGINNING FALL 2011		BMI												
AEED 426	Development and Management of Extension Youth Program (NCS 503)	AG ED, CTE MEd	3				BMI			BMI			BMI			BMI		
AEED 497	Conservation of Natural Resources (CTE Masters Elective)	AG ED, CTE MEd	3					BMI			BMI			BMI			BMI	
AEED 625	Administration and Supervision of Agriculture Programs (NCS 522)	AG ED, CTE MEd	3						BMI				BMI			BMI		
AEED 626	Program Development in Agriculture and Extension Education (NCS 521)	AG ED, CTE MEd	3						BMI				BMI			BMI		
AEED 699	Special Problems In Agricultural Education (CTE Masters Elective)	AG ED, CTE MEd	3			BMI	BMI				BMI			BMI			BMI	
General Education - Certification Courses																		
EDSP 200B	Introduction to Special Education	SPC	3				BMI		BMI			BMI			BMI			
EDCI 409	Teaching Reading in the Content Area I	SPC	3			BMI			BMI			BMI			BMI			
EDCI 410	Teaching Reading in the Content Area II	SPC	3	BMI	BMI		BMI	BMI		BMI	BMI		BMI	BMI				
CTE M.Ed.: Business Eduation Focus (12 Credits of Electives)																		
BUAD 412	Business Law	BE ED	3	COURSE OPTIONS AVAILABLE BEGINNING SUMMER 2012														
BUED 411	Office Technology and Records	BE ED	3															
BUED 412	Office Practice 3	BE ED	3															
BUED 414	Office Management	BE ED	3															
CTE M.Ed.: FACS Focus (12 Credits of Electives)																		
EDCI 427C	Curriculum & Instruction In Home Econ.		3	COURSE OPTIONS FOR THIS AREA AVAILABLE BEGINNING Ssummer 2011														
HUEC 464	Social Psychology of Food, Clothing & Shelter		3															
HUEC 474	The Family & Aging		3															
HUEC 461	Research Methodology II		4															
HUEC 487	Supervisory Management		3															
HUEC 490	Consumer Motivation		3															
TBA	NEW COURSE IN FOODS & NUTRITION		3															
TBA	NEW COURSE IN TEXTILES & FASHION		3															
TBA	NEW COURSE IN INTERIOR DESIGN		3															
HUEC 488 F	Introduction to Family and Consumer Sciences		3															

Course No.	Course Title	Course Application	No. Credit		Semester & Summer Session 2013				Semester & Summer Session 2014			Semester & Summer Session 2015					
					SUMMER 12 Session 1,2,3.A	FALL 12	SPRING 13	SUMMER 13 Session 1,2,3.A	FALL 13	SPRING 14	SUMMER 14 Session 1,2,3.A	FALL 14	SPRING 15	SUMMER 15 Session 1,2,3.A	FALL 15		
HUEC 488 G	Professional Practices in FACS		3														
HUEC 488B	NEW - Financial Literacy in FACS Course		3														
Technology Education Courses																	
EDTE 368	Curriculum Development & Methods of Teaching I	T&I / CTE SPC	3			BMI				BMI		BMI	BMI			BMI	BMI
EDTE 370	Curriculum Development & Methods of Teaching II	T&I / CTE SPC	3				BMI					BMI			BMI		
EDTE 410	Foundations of Technology: Impacts & Issues		3														
EDTE 415	History & Principles of CTE		3														
EDTE 437	Student Performance Assessment [WBL]		3					BMI		BMI			BMI	BMI		BMI	
EDTE 440	Integrating Math & Science in Occupational Ed.		3				BMI			BMI	BMI		BMI			BMI	BMI
EDTE 445	American Industry & Global Competition [WBL]		3				BMI	BMI		BMI	BMI		BMI	BMI		BMI	BMI
EDTE 467	Instructional Analysis and Curriculum Development (WBL)		3			BMI	BMI		BMI	BMI		BMI			BMI		BMI
EDTE 480	Coordination of Work Based Learning Programs [WBL]		3			BMI		BMI	BMI		BMI			BMI			BMI
EDTE 481	Facility Organization & Management		3					BMI			BMI			BMI			BMI
EDTE 482	Core Technologies I		3			BMI			BMI			BMI			BMI		BMI
EDTE 483	Core Technologies II		3				BMI			BMI			BMI			BMI	
EDTE 484	Information Systems: Robotics		3					BMI			BMI			BMI			BMI
EDTE 485	Safety Programs in Education & Occupational Settings		3			BMI			BMI			BMI			BMI		BMI
EDTE 486	Instructional Media Development		3					BMI		BMI			BMI			BMI	
EDTE 487	Foundations of Technology: Inst. Content & Strategies		3			BMI	BMI		BMI	BMI		BMI		BMI		BMI	BMI
EDTE 499	Research & Experimentation in Technology		1 to 6			BMI	BMI	BMI	BMI	BMI	BMI	BMI	BMI	BMI	BMI	BMI	BMI
CTE MED Courses - Work Based Learning																	
EDTE 445	American Industry & Global Competition [WBL]		3				BMI	BMI		BMI	BMI		BMI	BMI		BMI	BMI
EDTE 467	Instructional Analysis and Curriculum Development (WBL)		3			BMI	BMI		BMI	BMI		BMI			BMI		BMI
EDTE 480	Coordination of Work Based Learning Programs [WBL]		3			BMI		BMI	BMI		BMI			BMI			BMI

Course No.	Course Title	Course Application	No. Credit	Semester & Summer Session 2013			Semester & Summer Session 2014			Semester & Summer Session 2015							
				SPRING 12	SUMMER 12 Session 1,2,3,A	FALL 12	SPRING 13	SUMMER 13 Session 1,2,3,A	FALL 13	SPRING 14	SUMMER 14 Session 1,2,3,A	FALL 14	SPRING 15	SUMMER 15 Session 1,2,3,A	FALL 15		
CTE MED Courses																	
CTED 600	Technology Education Content Methods & Strategies		3					BMI	BMI			BMI			BMI		
CTED 602	Technology Education Instructional Management & Organization		3				BMI		BMI			BMI			BMI		BMI
EDUC 610	Learning and Instructional Design		3					BMI				BMI				BMI	
CTED 615	Administration & Leadership		3				BMI		BMI			BMI			BMI		BMI
CTED 630	Special Problems In CTE		3			BMI	BMI	BMI	BMI	BMI		BMI	BMI		BMI	BMI	
CTED 640	Research in Career & Technology Education I		3			BMI			BMI			BMI			BMI		BMI
CTED 650	Research in Career & Technology Education II		3						BMI			BMI			BMI		

THE NEXT SECTION PROVIDES COURSE REFERENCE DETAILS RELATED TO MSDE CTE AREA CERTIFICATION & THE UMES CTE Med PROGRAM

Trade & Industry (T&I) Certification Courses - MSDE SPC Certification - 18 Credits

EDTE 368	Curriculum Development & Methods of Teaching I		3	<p>SPC - Standard Professional Certificate – 18 Credit Hours</p> <p>UMES / MCCTES Programming Available</p>												
EDTE 370	Curriculum Development & Methods of Teaching II		3	<p>With the required career experience [see regulations] ...</p> <p>6 semester hours of curriculum/methods of teaching/practicum, which shall be completed before the second year of teaching, and which include</p> <p>3 semester hours to be completed during the first year of teaching; and</p> <p>3 semester hours which may be earned through an approved supervised mentored experience;</p> <p>EDTE 368 – Curr. Development & Methods I – 3 cr.</p> <p>EDTE 370 – Curr. Development & Methods II – 3 cr.</p>												
EDTE 437	Student Performance Assessment [WBL]		3	<p>3 semester hours of student performance assessment and evaluation;</p> <p>EDTE 437 – Student Performance Assess.– 3 cr.</p>												
EDTE 440	Integrating Math & Science in Occupational Ed.		3	<p>3 semester hours of teaching students with special needs;</p> <p>EDSP 200 – Intro. to Special Education–3 cr.</p> <p>EDCI 409 – Teach. Reading in the Content Area I – 3 cr..</p>												
EDSP 200B	Introduction to Special Education		3	<p>3 semester hours of teaching reading/writing; and</p> <p>EDTE 440 - Integrating Mathematics and Science in basis of the trade, or both, or 3 semester hours in an integrated course Occupation Education – 3 cr.</p>												
EDCI 409	Teaching Reading in the Content Area I		3	<p>6 semester hours of course work related to teaching the math or science</p>												
EDTE 445	American Industry & Global Competition [WBL]		3	<p>13A.12.02.16 (Posted 8/1/11)</p> <p>.16 Work-Based Learning Coordinator (Grades 7—12).</p> <p>A. An applicant may not seek initial certification as a work-based learning coordinator (grades 7—12).</p> <p>B. To add an endorsement in work-based learning coordinator (grades 7—12), the applicant shall:</p>												
EDTE 467	Instructional Analysis and Curriculum Development (WBL)		3	<p>(1) Hold a professional certificate with certification under COMAR 13A.12.02.06—,11, .13—,15, and .17—20(A)(3) of this chapter;</p> <p>(2) Complete 6 semester hours of content course work taken at an IHE or through CPDs with a minimum of 3 semester hours in each of the following content areas:</p> <p>(a) Organizing, coordinating, and marketing of work-based learning programs [EDTE 480]; and</p> <p>(b) Instructional management and curriculum development for work-based learning programs [EDTE 467]; and</p> <p>(3) Complete a work experience requirement through any of the following:</p>												
EDTE 480	Coordination of Work Based Learning Programs [WBL]		3	<p>(a) Documented evidence of employment equivalent to a minimum of 1,000 hours of successful, wage-earning, nonteaching occupational experience;</p> <p>(b) Documented evidence of employment equivalent to a minimum of 500 hours of successful, wage-earning, nonteaching occupational experience plus 500 hours of self-employment;</p> <p>.....(d) [EDTE 445] Complete 3 semester hours of content course work in contemporary workplace practices taken at an IHE or through CPDs that includes:</p> <p>(i) Site visits to business and industry settings; and</p> <p>(ii) Exposure to all aspects of the industry.</p>												

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Advanced Professional Certification (APC) for T&I, Tech. Ed. & Engineering Teachers - Undergraduate & Graduated Course Credit																
EDCI 410	Teaching Reading in the Content Area II		3													
EDTE 410	Foundations of Technology: Impacts & Issues		3													
EDTE 415	History & Principles of CTE		3													
EDTE 445	American Industry & Global Competition [WBL]		3													
EDTE 467	Instructional Analysis and Curriculum Development [WBL]		3													
EDTE 480	Coordination of Work Based Learning Programs [WBL]		3													
EDTE 481	Facility Organization & Management		3													
EDTE 482	Core Technologies I		3													
EDTE 483	Core Technologies II		3													
EDTE 484	Information Systems: Robotics		3													
EDTE 485	Safety Programs in Education & Occupational Settings		3													
EDTE 486	Instructional Media Development		3													
EDTE 487	Foundations of Technology: Inst. Content & Strategies		3													
EDTE 499	Research & Experimentation in Technology		1 to 6													
REGISTRATION IN THE FOLLOWING COURSES REQUIRE ADMISSION TO THE UMES GRADUATE SCHOOL				SEE CTE MASTERS DEGREE SECTION												
CTED 600	Technology Education Content Methods & Strategies		3													
CTED 602	Technology Education Instructional Management & Organization		3													
EDUC 610	Learning and Instructional Design		3													
CTED 615	Administration & Leadership		3													
CTED 630	Special Problems In CTE		3													
CTED 640	Research in Career & Technology Education I		3													
CTED 650	Research in Career & Technology Education II		3													

Course No.	Course Title	Course Application	No. Credit	Semester & Summer Session 2012			Semester & Summer Session 2013			Semester & Summer Session 2014			Semester & Summer Session 2015			
				SPRING 12	SUMMER 12 Session 1,2,3,A	FALL 12	SPRING 13	SUMMER 13 Session 1,2,3,A	FALL 13	SPRING 14	SUMMER 14 Session 1,2,3,A	FALL 14	SPRING 15	SUMMER 15 Session 1,2,3,A	FALL 15	
MCCTES / UMES CTE Masters Program Courses & Special Graduated Student Courses																
UMES CTE M.Ed. Graduate (Basic 18 credits)																
CTED 600	Technology Education Content Methods & Strategies		3			BMI	BMI			BMI			BMI			
CTED 602	Technology Education Instructional Management & Organization		3	BMI		BMI			BMI			BMI			BMI	
EDUC 610	Learning and Instructional Design		3		BMI			BMI			BMI			BMI		
CTED 615	Administration & Leadership		3	BMI		BMI			BMI			BMI			BMI	
CTED 630	Special Problems In CTE		3	BMI	BMI	BMI	BMI	BMI		BMI	BMI		BMI	BMI		
CTED 640	Research in Career & Technology Education I		3			BMI			BMI			BMI			BMI	
CTED 650	Research in Career & Technology Education II		3	BMI			BMI			BMI			BMI			
The above listed 18 basic credits are matched with 12 electives to create the required 30 CTE Masters program credits.																
CTE M.Ed.: Business Education Focus (12 Credits of Electives)																
BUAD 412	Business Law		3													
BUED 411	Office Technology and Records		3	COURSE OPTIONS AVAILABLE BEGINNING SPRING 2012												
BUED 412	Office Practice 3		3													
BUED 414	Office Management		3													
CTE M.Ed.: Agricultural Education Focus (12 Credits of Electives)																
AEED 423	Extension Education (NCS 501)		3													
AEED 426	Development and Management of Extension Youth Program (NCS 503)		3	BMI			BMI			BMI			BMI			
AEED 497	Conservation of Natural Resources (CTE Masters Elective)		3		BMI			BMI			BMI			BMI		
AEED 625	Administration and Supervision of Agriculture Programs (NCS 522)		3			BMI			BMI			BMI			BMI	
AEED 626	Program Development in Agriculture and Extension Education (NCS 521)		3		BMI			BMI			BMI			BMI		
AEED 699	Special Problems In Agricultural Education (CTE Masters Elective)		3	BMI			BMI			BMI			BMI			

Course No.	Course Title	Course Application	No. Credit	COURSE OPTIONS FOR THIS AREA AVAILABLE BEGINNING SUMMER 2012	Semester & Summer Session 2013					Semester & Summer Session 2014			Semester & Summer Session 2015		
					SUMMER 12 Session 1,2,3.A	FALL 12	SPRING 13	SUMMER 13 Session 1,2,3.A	FALL 13	SPRING 14	SUMMER 14 Session 1,2,3.A	FALL 14	SPRING 15	SUMMER 15 Session 1,2,3.A	FALL 15
					HUEC 464	Social Psychology of Food, Clothing & Shelter		3							
HUEC 474	The Family & Aging		3												
HUEC 461	Research Methodology II		4												
HUEC 487	Supervisory Management		3												
HUEC 490	Consumer Motivation		3												
TBA	NEW COURSE IN FOODS & NUTRITION		3												
TBA	NEW COURSE IN TEXTILES & FASHION		3												
TBA	NEW COURSE IN INTERIOR DESIGN		3												
HUEC 488 F	Introduction to Family and Consumer Sciences		3												
HUEC 488 G	Professional Practices in FACS		3												
HUEC 488B	NEW - Financial Literacy in FACS Course		3												
CTE M.Ed.: Technology Eduation & Engineering Education Focused (12 Credits of Electives)															
EDTE 410	Foundations of Technology: Impacts & Issues		3	Technology Education Teacher Development The Maryland State Department of Education, in Maryland COMAR Title 13A, Subtitle 12 regulations as published on-line provides the direction for Trade & Industry teacher certification: Sub-section: 14 Technology Education (Grades 7-12). http://www.dsd.state.md.us/comar/getfile.aspx?file=13a.12.02.14.htm											
EDTE 416	History & Principles of CTE		4												
EDTE 445	American Industry & Global Competition [WBL]		3	Note - Individuals with engineering or architectural degrees are eligible to use the content course requirements of those degree programs to fulfill the content course credit count requirement for Technology Education certification. The following programming is offered at the MCCTES Center, Baltimore Museum of Industry and periodically in other location across Maryland to fulfill the certification, re-certification and/or continuing professional development requirements for this CTE content area: (Check the MCCTES web site for current course offering information - www.mcctes.org) UMES / MCCTES Programming Available MCCTES MSDE Approved In-service											
EDTE 467	Instructional Analysis and Curriculum Development (WBL)		3	(i) Nature, impact, and evolution of technology: EDTE 415 Technology Impacts & Issues - 3 cr. New & Emerging Technologies I, II, III & IV - 1 cr. ea. EDTE 487 Foundations of Technology - 3 cr. Foundations of Technology, MD VSC - 3 cr.											
EDTE 480	Coordination of Work Based Learning Programs [WBL]		3	(i) Core technologies (mechanical, structural, fluid, electrical, electronic, optical, thermal, biotechnology, and materials): EDTE 482 Core Technologies & Design I - 3 cr. EDTE 483 Core Technologies & Design II - 3 cr.											
EDTE 481	Facility Organization & Management		3	(ii) Information systems: EDTE 484 Information Systems - 3 cr. Digital Data Acquisition: STEM Integration - 3 cr. EDTE 488 G Engineering Design & Development: CADD & CAM - 3 cr.											
EDTE 482	Core Technologies I		3	(iv) Enterprises using technology and EDTE 445 American Industry & Global Competition - 3 cr. Advance Design Applications [ADA] - 2 cr. Advanced Technology Applications [ATA] - 2 cr.											
EDTE 483	Core Technologies II		3	(v) Instructional planning and development: and EDTE 437 Student Performance Assessment - 3 cr. EDTE 440 Integrating Mathematics and Science in Occup. Ed. - 3 cr. EDTE 450 Mentoring: Expectations and Responsibilities - 3 cr.											
EDTE 484	Information Systems: Robotics		3	EDTE 467 Instructional Analysis and Curriculum Development - 3 cr. EDTE 480 Coordination of Work Based Learning Programs - 3 cr.											
EDTE 485	Safety Programs in Education & Occupational Settings		4	EDTE 481 Facility Organization & Management - 3 cr. EDTE 485 Safety Programs in Education & Occupational Settings - 3 cr. EDTE 486 Instructional Media Development - 3 cr.											
EDTE 486	Instructional Media Development		3	EDTE 488E Work-Based Learning Externship - 3 cr.											
EDTE 487	Foundations of Technology		3												
EDTE 499	Research & Experimentation in Technology		1 TO 6												

OFFSITE LOCATIONS & COURSES	SPRING 11	SUMMER 11 Session 1,2,3,A	FALL 11	SPRING 12	SUMMER 12 Session 1,2,3,A	FALL 12	SPRING 13	SUMMER 13 Session 1,2,3,A	FALL 13	SPRING 14	SUMMER 14 Session 1,2,3,A	FALL 14	SPRING 15	SUMMER 15 Session 1,2,3,A	FALL 15
MCCTES/UMES OFF BMI SITE COURSE OFFERINGS															
Western Maryland - Allegany & Garrett Co. Area															
Western Maryland - Washington & Frederick Co. Area				EDTE 480[FCPS]/ EDTE 487[CCPS]	EDTE 445										
Washington / Montgomery / Prince George's Co. Area															
Southern Maryland Area				EDTE445		EDTE 369	EDTE370								
Northeastern Maryland Area				EDTE 481	EDTE 445	EDTE 369									
Lower Eastern Shore Area															
Upper Eastern Shore Area					EDTE 467 EDTE 441										