Educational Leadership Ph.D., Career and Technical Education Concentration: 
Program of Study (90 Hours)

**Overview**: Students must complete a minimum of 42 graduate credits at WMU (30 credit hours plus 12 dissertation hours) once admitted to a doctoral program in Educational Leadership at WMU. In total, a minimum of 90 hours of graduate credit (including credits accepted from a master’s degree program) must be completed as follows:

I. Leadership Core
   - EDLD 6020: Ed. Leadership, Systems & Change
   - EDLD 6060: Advanced Systems Thinking
   - EDLD 6090: Theories of Leadership (9 hours)

II. Professional Inquiry, Research & Dissertation Core
   - EDLD 6861: Doctoral Studies Seminar I
   - EDLD 6862: Doctoral Studies Seminar II
   - EDLD 7120: Prof. Field Experience (3 credits)
   - EMR 6450: Data Analytics I
   - EMR 6480: Qualitative Methods
   - EMR 6650: Data Analytics II
   - EDLD 6950: Dissertation Seminar
   - EDLD 7300: Doctoral Dissertation (12 hrs)
   - (A) “Professional Inquiry” Component
   - (B) “Research Methods” Component (Note: 3-credit “Introduction to Research” (ED 6010, EMR 5400, FCS 6010, or equivalent is a prerequisite):)
   - (C) “Dissertation” Component

III. CTE Concentration (24 hours)
   - CTE 6140: Admin & Supervision in CTE
   - CTE 6160: Occupational & Training in CTE
   - CTE 6430: Measurement & Evaluation in CTE
   - CTE 6450: Org. of Employ & Training Systems
   - CTE 6460: Leadership Development Program (LDP) in CTE (6 hrs)
   - CTE 6480: Adult Education in CTE
   - CTE 6500: Bus/Ind/Educ Work-based Learning

IV. Specialty Cognates (minimum of 12 hours)
   - Area #1: Curriculum
     - ED 6020: School Curriculum
     - ED 6280: Curriculum Theory
     - EMR 6420: Program Evaluation
     - EDLD 6640: Curriculum Development
   - Area #2: Educational Leadership
     - EMR 6420: Program Evaluation
     - EDLD 6630: Personnel Administration
     - EDLD 6650: The Principalship
     - EDLD 6720: School Finance
   - Area #3: Instruction
     - Focused on further technical knowledge in a particular CTE discipline, (e.g., Business or Marketing Education, Family & Consumer Sciences, Industrial Technology, Information Technology). May include graduate courses within or outside College of Education intended to enhance technical content needed as a CTE instructor, in an adult, secondary, or post secondary institution.
   - Area #4: Total Quality Management in Education
     - This cognate is offered by Ferris State University (FSU) and leads to a certificate in TQM awarded by FSU.
     - ECTE 650: Implementing TQM In Education
     - ECTE 655: Quality Improvement Practices
     - ECTE 660: Quality Management in Education
     - ECTE 665: Quality Metrics and Data Mgt

V. Electives (minimum of 9 hours)
   - CTE 5100: Special Populations in CTE
   - CTE 5120: Principles in CTE
   - CTE 5130: Technical Education Methods
   - CTE 5140: Workshop in CTE (1-3 hrs)
   - CTE 5150: Grant Writing in CTE
   - CTE 5420: Advanced Curriculum Development
   - CTE 5430: Work-site Based Education Programs
   - CTE 6120: Studies in Technology (1-4 hrs)
   - CTE 6150: Trends and Development in CTE (2 hrs)
   - CTE 6170: Seminar in Education (1-6 hrs)

Other elective courses can be substituted with advisor approval addressing educational leadership, evaluation, measurement, or research design.