## Industrial Technology Education Vocational Major

**Western Michigan University**

**College of Education and Human Development**

Minimum 122 Credit Hours Needed for Graduation; Teachable minor in Graphic Arts or Drafting required

* Cum GPA of 2.5 required for admission to upper professional level and to intern teach

### Name: ___________________________  WIN: ___________________________  Catalog Year: ________

### GEN ED  |  PRE-REQUISITES  |  COURSES  |  TRAN/SUB/GRADE  |  CR HR

**REQUIRED COGNATE—DEPENDS ON MATH PLACEMENT**

| Area VI       | MATH 1100/placement test | PHYS 1070/1080 Elementary Physics and lab | 5 |

### REQUIRED COURSES

**Area VI**

Select one

- FCS 2140 Child Development
- ED 2500 Human Development

**Area VII**

Select one

- AVS 2800 Transportation Technology
- EDMM 1220 Automobile in Society

**Proficiency 1**

- ENGL 1050 Thought & Writing
- FCS 1490 Design Com I: Architectural Drawing (f)
- FCS 2400 Woodworking (sp odd years)
- FCS 3530 Intro to Construction Environment (sp)
- EDMM 1420 Engineering Graphics
- EDMM 1430 Product Design Fundamentals (f)

**Area VII**

- EDMM 1500 Intro to Manufacturing
- PHYS 1070/1080 w/"C" or better
- EDMM 2001 Applied Electricity & Electronics
- EDMM 2460 Intro to CAD
- CHEM 1100/1110 recommended
- EDMM 2500 Plastics Properties & Processes
- EDMM 2540 Machining Processes

### Total Credits (5 if needed)

### WORKFORCE EDUCATION AND DEVELOPMENT (WFED)

To take the following you must be accepted into the upper professional level

**Proficiency 2**

Admission to upper level

- LS 3050 K-12 Content Literacy 3

Admission to upper level

- WFED 3050 Career and Employability Skills (full only) 3

56+ hours

- WFED 5100 Special Populations in Workforce Education & Development 3

56+ hours

- WFED 5120 Principles of Workforce Education & Development 3

56+ hours

- WFED 5130 Teaching Methods in Workforce Education & Development (f/su II) 3

56+ hours

- WFED 5420 Curriculum Development in Workforce Education & Development 3

WFED 5130; 5420 (both may be taken concurrently with WFED 3480)

- WFED 3480 Student Assessment & Management—pre-internship experience in a school setting required (minimum one day per week) (sp) 3

All coursework must be completed

- WFED 4100 Seminar in Education 2
- WFED 4750 Intern Teaching in WFED 10

### Total Credits (33)

*Requires “C” grade or better

### Minor:  
- [ ] Graphic Arts  
- [ ] Drafting

Career and Technical Education minors in Graphic Arts or Drafting require 4000 hours of recent and relevant work experiences for vocational endorsement. See [Verification of Work Experience form](#)

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