**West Michigan University**

**College of Education and Human Development**

**Industrial Technology Education Vocational**

**North Central Michigan College Transfer Guide**

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

<table>
<thead>
<tr>
<th>GEN ED</th>
<th>PRE-REQUISITES</th>
<th>COURSES</th>
<th>TRAN/SUB/GR</th>
<th>CR HR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REQUIRED COGNATE—DEPENDS ON MATH PLACEMENT</strong></td>
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<tr>
<td><strong>Area VI</strong></td>
<td>MATH 1100/placement test</td>
<td>PHYS 1070/1080 Elementary Physics and lab</td>
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<tr>
<td></td>
<td></td>
<td>PHY 210</td>
<td></td>
<td>5</td>
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<td>Total Credits (5 if needed)</td>
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**Required Courses**

**Area VI**

Select one

- *FCS 2140 Child Development or*
- *ED 2500 Human Development*

**Area VII**

Select one

- AVS 2800 Transportation Technology or
- 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)
- 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 1500 recommended
- EDMM 2540 Machining Processes

**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 1500 recommended
- EDMM 2540 Machining Processes

**Total Credits (40)**

**Workforce Education and Development (WFED)**

**TO TAKE THE FOLLOWING YOU MUST BE ACCEPTED INTO THE UPPER PROFESSIONAL LEVEL**

<table>
<thead>
<tr>
<th>Admission to upper level</th>
<th>WFED 3050 Career and Employability Skills (fall only)</th>
<th>3</th>
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</thead>
<tbody>
<tr>
<td><strong>Proficiency 2</strong></td>
<td>Admission to upper level</td>
<td>3</td>
</tr>
<tr>
<td>56+ hours</td>
<td>WFED 5100 Special Populations in Workforce Education &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>56+ hours</td>
<td>WFED 5120 Principles of Workforce Education &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>56+ hours</td>
<td>WFED 5130 Teaching Methods in Workforce Education &amp; Development (f/su II)</td>
<td>3</td>
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<tr>
<td>56+ hours</td>
<td>WFED 5420 Curriculum Development in Workforce Education &amp; Development</td>
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<tr>
<td>WFED 5130, 5420 (both may be taken concurrently with WFED 3480)</td>
<td>WFED 3480 Student Assessment &amp; Management – pre-internship experience in a school setting required (minimum one day per week) (sp)</td>
<td>3</td>
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<tr>
<td>All coursework must be completed</td>
<td><em>WFED 4100 Seminar in Education</em></td>
<td>2</td>
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<td><em>WFED 4750 Intern Teaching in WFED</em></td>
<td>10</td>
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</table>

**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](#)