

# WESTERN MICHIGAN UNIVERSITY

TNSJ

College of Education and Human Development

## INDUSTRIAL TECHNOLOGY EDUCATION NON-VOCATIONAL

### Northwestern Michigan College Transfer Guide

Minimum 122 Credit Hours Needed for Graduation; Secondary Education teachable minor required

CUM GPA OF 2.5 REQUIRED FOR ADMISSION TO UPPER PROFESSIONAL LEVEL AND TO INTERN TEACH

GEN ED	PRE-REQUISITES	COURSES	TRAN/SUB/GRADE	CR HR
<b>REQUIRED COGNATE—DEPENDS ON MATH PLACEMENT</b>				
<b>Area VI</b>	MATH 1100/placement test	<b>PHYS 1070/1080</b> Elementary Physics and lab		5
<b>Total Credits (5 if needed)</b>				
<b>REQUIRED COURSES</b>				
<b>Area VII</b>	Select one	<b>AVS 2800</b> Transportation Tech <b>or</b> <b>EDMM 1220</b> Automobile in Society		3
<b>Proficiency 1</b>	ENGL 1000/placement	<b>*ENGL 1050</b> Thought & Writing	ENG 111, 112, 220	4
		<b>FCS 1490</b> Design Com I: Architectural Drawing (f)		3
		<b>FCS 2400</b> Woodworking (sp odd years)		3
		<b>FCS 3530</b> Intro to Construction Environment (sp)		3
		<b>EDMM 1420</b> Engineering Graphics	EGR 113	3
		<b>EDMM 1430</b> Product Design Fundamentals (f)		3
<b>Area VII</b>		<b>EDMM 1500</b> Intro to Manufacturing	MFG 103	3
	PHYS 1070/1080 w/"C" or better	<b>EDMM 2001</b> Applied Electricity & Electronics		3
	CHEM 1100/1110 recommended	<b>EDMM 2500</b> Plastics Properties & Processes		3
	EDMM 1500 recommended	<b>EDMM 2540</b> Machining Processes		3
	EDMM 1420	<b>EDMM 2460</b> Intro to CAD		3
<b>Total Credits (37)</b>				
<b>CAREER &amp; TECHNICAL EDUCATION (CTE)</b>				
	56+ hours	<b>CTE 5120</b> Principles of CTE		3
	56+ hours	<b>CTE 5100</b> Special Populations in CTE		3
<b>Proficiency 2</b>		<b>CTE 3050</b> Career and Employability Skills		3
	56+ hours	<b>CTE 5420</b> Curriculum Development in CTE		3
	56+ hours	<b>CTE 5130</b> Teaching Methods in CTE		3
	CTE 5130 & 5420 (may be taken concurrently); may take with LS 3050	<b>CTE 3480</b> Student Assessment & Management – <i>pre-internship experience in a school setting required (minimum one day per week)</i>		3
<b>Total Credits (18)</b>				
<b>REQUIRED EDUCATION COURSES</b>				
	Select one	<b>*FCS 2140</b> Child Development <b>or</b> <b>*ED 2500</b> Human Development	CD 202	3
	Admission to Upper Level	<b>*LS 3050</b> K-12 Content Literacy		3
	All coursework must be completed	<b>*CTE 4100</b> Seminar in Education <b>CTE 4750</b> Intern Teaching in CTE		2 10
<b>Total Credits (18)</b>				

\*Requires "C" grade or better