

INDUSTRIAL TECHNOLOGY EDUCATION VOCATIONAL

Northwestern 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

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	PHY 121	5
Total Credits (5 if needed)				
REQUIRED COURSES				
	Select one	* FCS 2140 Child Development or * ED 2500 Human Development	CD 202, PSY 211	3
Area VII	Select one	AVS 2800 Transportation Technology or EDMM 1220 Automobile in		3
Proficiency 1		* ENGL 1050 Thought & Writing	ENG 111, 112, 220	4
		FCS 1490 Design Com I: Architectural Drawing (f)		3
		FCS 2400 Woodworking (sp odd years)		3
		FCS 3530 Intro to Construction Environment (sp)		3
		EDMM 1420 Engineering Graphics	EGR 113	3
		EDMM 1430 Product Design Fundamentals (f)		3
Area VII		EDMM 1500 Intro to Manufacturing	MFG 103	3
	PHYS 1070/1080 w/"C" or better	EDMM 2001 Applied Electricity & Electronics		3
	EDMM 1420	EDMM 2460 Intro to CAD		3
	CHEM 1100/1110 recommended	EDMM 2500 Plastics Properties & Processes		3
	EDMM 1500 recommended	EDMM 2540 Machining Processes		3
Total Credits (40)				
WORKFORCE EDUCATION AND DEVELOPMENT (WFED)				
TO TAKE THE FOLLOWING YOU MUST BE ACCEPTED INTO THE UPPER PROFESSIONAL LEVEL				
	Admission to upper level	* LS 3050 K-12 Content Literacy		3
Proficiency 2	Admission to upper level	WFED 3050 Career and Employability Skills (fall 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 – <i>pre-internship experience in a school setting required (minimum one day)</i>		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](#)