

## Drafting Minor

Western Michigan University

College of Education and Human Development

**20 Credits** [Required Major: Vocational Industrial Technology Major (IVSJ)]

\*IME 3480 and IME 3540 must be taken concurrently.

GEN ED	PRE-REQS	COURSES	TRAN/SUB/ GRADE	CR HR
<b>REQUIRED PRE-REQUISITES</b>				
	MATH 1100/placement	<b>MATH 1110</b> (IF NEEDED)		3
	MATH 1110/placement	<b>MATH 1180</b> Precalculus (IF NEEDED)		4
		<b>IME 1430</b> Product Design Fundamentals (IF NEEDED)		4-5
	MATH 1220 or MATH 1700	<b>IME 2610</b> Engineering Statistics (IF NEEDED)		5-6
<b>Total Credits (16-18 if needed)</b>				
<b>REQUIRED COURSES</b>				
	MATH 1180	<b>CS 1021</b> Intro to Engineering Computing: Spreadsheets		1
	MATH 1180	<b>CS 1023</b> Intro to Engineering Computing III: Computer Programming		1
	IME 2540 and IME 2460	<b>IME 3580</b> Computer-Aided Manufacturing		3
	IME 1420 recommended	<b>IME 1440</b> Descriptive Geometry (sp)		3
	IME 1430 and IME 2810	<b>IME 3440</b> Product and Machine Design (sp)		3
	Pre-reqs: IME 1420, IME 2540, IME 2460, IME 2810 Co-req: IME 3540	<b>*IME 3480</b> Designing for Production (fa)		3
	Pre-req: IME 2610 Co-req: IME 3480	<b>*IME 3540</b> Metrology (fa)		
	IME 2460; 88+ hours	<b>IME 4460</b> CAD Applications (fa)		3
<b>Total Credits (20)</b>				

Related Work Experience: A total of 4000 hours of recent and relevant work experience IN DRAFTING (within the past 6 years) is required for vocational certification.

See Verification of Work Experience form at [www.wmich.edu/consumer/cte/docs/vocationalworkexperience.doc](http://www.wmich.edu/consumer/cte/docs/vocationalworkexperience.doc)