

Name \_\_\_\_\_

Student No. \_\_\_\_\_

**WESTERN MICHIGAN UNIVERSITY**  
 Department of Industrial & Manufacturing Engineering  
**MANUFACTURING ENGINEERING TECHNOLOGY (MFT) - Bachelor of Science Degree**  
 2008-2009 Catalog

(See reverse side for Cast Metals, Plastics and Automotive Option requirements)

Grade/ Trans.	Semester/ Course		Grade/ Trans.	Semester/ Course	
<u>SEMESTER I - FALL</u>					
_____	IME 1420	Engineering Graphics	_____	IME 2830	Thermodynamics
_____	IME 1500	Intro to Manufacturing (AREA VII)	_____	IME 2840	Fluid Mechanics & Hydraulics
_____	MATH 1180	Precalculus Mathematics (Prof. 3)	_____	IME 3260	Operations Planning & Control
_____	CHEM 1100	General Chemistry 1 (AREA VI)	_____	IME 3480	Designing for Production
_____	CHEM 1110	General Chemistry 1 Lab (AREA VI)	_____	IME 3520	Metal Casting
_____	<b>IME 1020</b>	<b>Technical Communication (Prof. 1)</b>	_____	IME 3570	Fabrication Assembly/Finishing
		<u>3</u>			<u>3</u>
		17			16
<u>SEMESTER II - SPRING</u>					
_____	IME 1220	Automobile in Society (AREA VII)	_____	IME 3200	Engineering Cost Analysis
_____	<b>MATH 1220</b>	<b>Calculus I (or MATH 2000 or MATH 1700)</b>	_____	IME 3280	Quality Assurance & Control
		<b>(Prof. 4)</b>	_____	IME 3580	Computer-Aided Manufacturing
_____	CS 1040	Introductory C/C++ OR CS-1021 and CS-1023	_____		Approved Elective
_____	PHYS 1130	General Physics I (AREA VI)	_____	AREA IV*	Other Cultures & Civilizations
_____	PHYS 1140	General Physics I Lab (AREA VI)			<u>3</u>
_____	AREA VIII	Health & Well-Being			15
		<u>2</u>			
		16			
<u>SEMESTER III - FALL</u>					
_____	IME 2540	Machining Processes	_____	IME 4220	Engr. Teams: Theory & Pract.(AREA V)
_____	IME 2460	Introduction/Computer-Aided Design	_____	IME 4580	Manufacturing Systems Integration
_____	<b>ECE 1000</b>	<b>Fundamentals of Circuits &amp; Electronics</b>	_____	IME 4810	Metrology
_____	<b>PHYS 1150</b>	<b>General Physics II</b>	_____	IME 4910	Multidisciplinary Sr. Proposal (Prof.2)
_____	<b>PHYS 1160</b>	<b>General Physics II Lab</b>	_____		Approved Elective
_____	COM 1040	Public Speaking (Prof. 4)	_____	AREA I*	Fine Arts
		<u>3</u>			<u>3</u>
		17			17
<u>SEMESTER IV - SPRING</u>					
_____	IME 2500	Plastics Properties & Processing	_____	<u>SEMESTER VII - FALL</u>	
_____	MSE 2540	Properties of Materials OR ME-2500	_____	IME 4220	Engr. Teams: Theory & Pract.(AREA V)
_____	MSE 2550	Materials Science Lab OR ME-2500	_____	IME 4580	Manufacturing Systems Integration
_____	IME 2810	Statics & Strength of Materials	_____	IME 4810	Metrology
_____	ECE 1010	Fundamentals of Electronics/Machines	_____	IME 4910	Multidisciplinary Sr. Proposal (Prof.2)
_____	STAT 2600	Elementary Statistics (Prof. 4)	_____		Approved Elective
		<u>3</u>	_____	AREA I*	Fine Arts
		4			<u>3</u>
		18			17
			_____	<u>SEMESTER VIII - SPRING</u>	
			_____	IME 4020	Supervision of Industrial Operations
			_____	IME 4920	Multidisciplinary Sr. Proj. (Prof. 2)
			_____	IME 4930	Multidisciplinary Sr. Proj. Consultation
			_____		Approved Elective
			_____	AREA II*	Humanities
			_____	AREA III*	United States: Culture & Issues
					<u>3</u>
					15
					<b>TOTAL-----131</b>

\* At least one of these courses must be at the 300-400 level

Option: \_\_\_\_\_

NOTE: A grade of "C" or better in gate courses (indicated in italicized type) is required for enrollment in upper division courses offered by the Department of Industrial & Manufacturing Engineering. 6/16/00

\_\_\_\_\_  
Advisor's signature\_\_\_\_\_  
Date