

Name \_\_\_\_\_

WIN No. \_\_\_\_\_

**WESTERN MICHIGAN UNIVERSITY**

Department of Industrial and Manufacturing Engineering

**ENGINEERING MANAGEMENT TECHNOLOGY (UEM) - Bachelor of Science Degree**

2010-2011 Catalog

Grade/ Semester/ Trans. Course	Grade/ Semester/ Trans. Course
<b>SEMESTER I - FALL</b>	
_____ <b>IME 1020 <i>Technical Communication (Prof. 1)</i></b>	_____ IME 3020 Engr. Teams: Theory and Practice (AREA V)
_____ IME 1420 Engineering Graphics	_____ IME 3050 Work Analysis
_____ IME 1500 Introduction to Manufacturing (AREA VII)	_____ IME 3150 Work Analysis and Design Lab
_____ MATH 1180 Precalculus Mathematics (Prof. 3)	_____ IME 3160 Report Preparation
_____ AREA VIII Health and Well-Being	_____ IME 3200 Engineering Cost Analysis
	_____ Approved Technical Elective
	<b>15</b>
<b>SEMESTER II - SPRING</b>	
_____ <b>CHEM 1100 <i>General Chemistry I (AREA VI)</i></b>	_____ <b>SEMESTER VI - SPRING</b>
_____ <b>CHEM 1110 <i>General Chemistry I Lab (AREA VI)</i></b>	_____ IME 3120 Systems Decision Making
_____ <b>MATH 1220 <i>Calculus I (or Math 1700) (Prof. 4)</i></b>	_____ IME 3260 Operations Planning and Control
_____ PHYS 1130 General Physics I (AREA VI)	_____ IME 3280 Quality Assurance and Control
_____ PHYS 1140 General Physics I Lab (AREA VI)	_____ MGMT 3520 Human Resource Management
_____ CS 1021 Intro. Engr. Comp. I: Spreadsheets	_____ Approved Technical Elective
_____ CS 1023 Intro. Engr. Comp. III: Comp. Programming	
	<b>15</b>
<b>SEMESTER III - FALL</b>	
_____ <b>IME 2610 <i>Engineering Statistics</i></b>	_____ <b>SEMESTER VII - FALL</b>
_____ <b>PHYS 1150 <i>General Physics II</i></b>	_____ IME 4020 Supervision of Industrial Operations
_____ <b>PHYS 1160 <i>General Physics II Lab</i></b>	_____ IME 4120 Industrial Systems Management
_____ ACTY 2100 Principles of Accounting I	_____ IME 4910 Multidisciplinary Senior Proposal (Prof. 2)
_____ ECON 2010 Principles of Microeconomics (AREA V)	_____ Approved Technical Elective
	_____ Approved Technical Elective
	_____ AREA I* Fine Arts
	<b>14</b>
<b>SEMESTER IV - SPRING</b>	
_____ <b>IME 2460 <i>Introduction to Computer-Aided Design</i></b>	_____ <b>SEMESTER VIII - SPRING</b>
_____ IME 2001 Applied Electricity/Electronics	_____ IME 4040 Plant Layout and Material Handling
_____ IME 2810 Statics and Strength of Materials	_____ IME 4920 Multidisciplinary Senior Project (Prof. 2)
_____ ME 2500 Materials Science	_____ IME 4930 Multidisciplinary Sr. Project Consultation
_____ AREA II* Humanities	_____ Approved Technical Elective
	_____ AREA III* United States: Cultures and Issues
	_____ AREA IV* Other Cultures and Civilizations
	<b>16</b>
	<b>16</b>
	<b>Total Credits 124</b>

\*At least one of these courses must be at the 3000-4000 level.

**NOTES:** A grade of "C" or better in gate courses (indicated in italicized type) as well as a 2.3 GPA at WMU are required for enrollment in upper division courses offered by the Department of Industrial and Manufacturing Engineering. See the UEM academic advisor for approved technical electives.

## UNIVERSITY GRADUATION REQUIREMENTS ENGINEERING MANAGEMENT TECHNOLOGY CURRICULUM

**Beginning FALL 2010**

**GENERAL EDUCATION REQUIREMENTS**

Must include 1 course at the 3000-4000 level in addition to IME 3020

**Total: 37 Hours Minimum** Maximum two courses any department

Dept & Number	Grade Transfer	Credit Hours
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**AREA I: Fine Arts** \_\_\_\_\_  
(3-4 credits) \_\_\_\_\_

**AREA II: Humanities** \_\_\_\_\_  
(3-4 credits) \_\_\_\_\_

**AREA III: US Culture** \_\_\_\_\_  
(3-4 credits) \_\_\_\_\_

**AREA IV: Other Cultures** \_\_\_\_\_  
(3-4 credits) \_\_\_\_\_

**AREA V: Social & Behavioral** IME 3020 3  
(3-4 credits) ECON 2010 3

**AREA VI: Natural Sciences** CHEM 1100, 1110 4  
With lab (4-5 credits) PHYS 1130, 1140 5

**AREA VII: Natural** IME 1500 3  
Sciences & Technology \_\_\_\_\_  
(3-4 credits) \_\_\_\_\_

**AREA VIII: Health & Well** \_\_\_\_\_  
(2 credits) \_\_\_\_\_

**Proficiencies (one course each)**

**Prof. 1:** College Level Writing IME 1020 3

**Prof. 3:** College Level Math MATH 1180 or exempt if placed in Calculus I  
or above and completes the UEM program

**Prof. 4:** Develop a Proficiency MATH 1220/1700 4

STUDENT NAME \_\_\_\_\_

WIN# \_\_\_\_\_

CATALOG YEAR \_\_\_\_\_

DEGREE BACHELOR OF SCIENCE

CURRICULUM ENGINEERING MANAGEMENT TECHNOLOGY (UEM)

MINOR \_\_\_\_\_

Intellectual Skills: Hours do not count toward graduation minimum.

Reading: Exempt \_\_\_\_\_ Course \_\_\_\_\_ Hours \_\_\_\_\_

Mathematics: Exempt \_\_\_\_\_ Course \_\_\_\_\_ Hours \_\_\_\_\_

Basic Writing: Exempt \_\_\_\_\_ Course \_\_\_\_\_ Hours \_\_\_\_\_

**OTHER REQUIREMENTS**

Baccalaureate Writing: IME 4910 & IME 4920 Satisfied \_\_\_\_\_

One-half total required credits from 4-yr. institution Satisfied \_\_\_\_\_

30 hrs. from WMU required: Satisfied \_\_\_\_\_

10 of the last 30 hrs. from WMU: Satisfied \_\_\_\_\_

Minimum of 122 semester hours: Satisfied \_\_\_\_\_

2.0 overall grade point average: Satisfied \_\_\_\_\_

No more than 2 grades less than C presented: Satisfied \_\_\_\_\_

Total Hours Completed \_\_\_\_\_

Minus Repeats/Skills \_\_\_\_\_

Hours in Progress \_\_\_\_\_

Total Hours \_\_\_\_\_

Number Needed \_\_\_\_\_

**APPROVED ELECTIVES:**

Please see the UEM Advisor for a current list of approved electives.

**Total Hours** \_\_\_\_\_

**SIGNATURES:**

Student/Date \_\_\_\_\_ Advisor/Date \_\_\_\_\_ Planned Graduation Date \_\_\_\_\_

Chairman/Date \_\_\_\_\_ College/Date \_\_\_\_\_ This form is valid until \_\_\_\_\_