

**Departmental/Industrial Management Major Courses**

**MAI Core** Requirements for upper division can be found online:

<http://www.krannert.purdue.edu/undergraduate/current-students/im/im-req-upper-div.asp>

- \_\_\_\_\_ 3 ECON 25100 Microeconomics \*UC\* (satisfies Behavioral/Social Science for core)
- \_\_\_\_\_ 4 ENGL 10600 First-Year Composition or ENGL 10800 Accelerated First-Year Composition \*UC\* (satisfies Written Communication for core)
- \_\_\_\_\_ 4-5 MA 16100/MA 16500 Analytic Geometry & Calculus I \*UC\* (satisfies Quantitative Reasoning for core)
- \_\_\_\_\_ 4-5 MA 16200/MA 16600 Analytic Geometry & Calculus II \*UC\* (satisfies Quantitative Reasoning for core)
- \_\_\_\_\_ 3 MGMT 20000 Introductory Accounting

**School of Management Foundations**

- \_\_\_\_\_ 3 COM 11400 Fundamentals of Speech Communication ◊ \*UC\* (satisfies Oral Communication for core)
- \_\_\_\_\_ 3 CS 23500 Organizational Computing ◊ \*PU\*
- \_\_\_\_\_ 3 ECON 25200 Macroeconomics (satisfies Behavioral/Social Science for core)
- \_\_\_\_\_ 3 ENGL 42000 Business Writing
- \_\_\_\_\_ 4 MA 26100 Multivariate Calculus
- \_\_\_\_\_ 1 MGMT 10000 Introduction to Management (highly recommended, but not required)
- \_\_\_\_\_ 3 MGMT 20100 Management Accounting I
- \_\_\_\_\_ 3 STAT 22500 Introduction to Probability Models

**Upper Division Required Courses**

- \_\_\_\_\_ 3 ECON 41900 Managerial Economics
- \_\_\_\_\_ 1 MGMT 30100 Management Career Lectures
- \_\_\_\_\_ 3 MGMT 30500 Business Statistics \*PUWL\*
- \_\_\_\_\_ 3 MGMT 30600 Management Science
- \_\_\_\_\_ 3 MGMT 31000 Financial Management \*PUWL\*
- \_\_\_\_\_ 3 MGMT 32400 Marketing Management \*PUWL\*
- \_\_\_\_\_ 3 MGMT 35400 Legal Foundations of Business I
- \_\_\_\_\_ 3 MGMT 36100 Operations Management \*PUWL\*
- \_\_\_\_\_ 3 MGMT 38200 Management Information Systems \*PUWL\*
- \_\_\_\_\_ 3 MGMT 45100 Strategic Management \*PUWL\*
- \_\_\_\_\_ 3 OBHR 33000 Organizational Behavior
- \_\_\_\_\_ 3 **MGMT 44428 Human Resource Management (Formerly OBHR 42800)**

**Required Engineering-Industrial Engineering Courses**

Complete 15 credit hours from the following courses

**Work Methods and Design**

- \_\_\_\_\_ 3 IE38600 Work Analysis and Design I (Pre-requisite MGMT 30500)
- \_\_\_\_\_ 3 IE 55600 Job Design (Pre-requisite IE 38600 or IE 57700; Jr. classification at time of registration)
- \_\_\_\_\_ 3 IE 55800 Safety Engineering (Pre-requisite IE 38600; Jr. classification at time of registration)
- \_\_\_\_\_ 3 IE 57700 Human Factors in Engineering (Pre-requisite Jr. classification at time of registration)

**Statistical Control**

- \_\_\_\_\_ 3 IE 53000 Quality Control (Pre-requisite MGMT 30500; Jr. classification at time of registration)
- \_\_\_\_\_ 3 IE 53300 Industrial Applications of Statistics (Pre-requisite MGMT 30500; Jr. classification at time of registration)

**Economic Decision Making**

- \_\_\_\_\_ 3 IE 54500 Engineering Economic Analysis (Pre-requisite MGMT 31000; Jr. classification at time of registration)
- \_\_\_\_\_ 3 IE 54600 Economic Decisions in Engineering (Pre-requisite MGMT 31000; Jr. classification at time of registration)
- \_\_\_\_\_ 3 IE 59000 Topics in Industrial Engineering (Pre-requisite Jr. classification at time of registration)

**University Core/Program Course Requirements**

- \_\_\_\_\_ 3 UC Humanities \*UC\* <http://www.purdue.edu/provost/initiatives/curriculum/course.html>
- \_\_\_\_\_ 3 UC Humanities \*UC\* <http://www.purdue.edu/provost/initiatives/curriculum/course.html>
- \_\_\_\_\_ 3 UC Science, Technology & Society \*UC\* <http://www.purdue.edu/provost/initiatives/curriculum/course.html>
- \_\_\_\_\_ 3 Chemistry or Physics (C or higher) see [plan of study](#)
- \_\_\_\_\_ 3 Chemistry or Physics (C or higher) see [plan of study](#)
- \_\_\_\_\_ 3 PSY 12000 or SOC 10000 \*UC\* (satisfies Behavioral/Social Science for core)
- \_\_\_\_\_ 3 International Elective (see [plan of study](#))
- \_\_\_\_\_ 3 International Elective (see [plan of study](#))

**Electives (Complete Enough Electives to Equal at Least 120 Credits)**

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**University Core Requirements**

Human Cultures Humanities  \_\_\_\_\_ Science, Technology & Society Selective  \_\_\_\_\_  
Human Cultures Behavioral/Social Science  ECON 25100 Written Communication  ENGL 10600/ENGL 10800

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 The student is ultimately responsible for knowing and completing all degree requirements.  
 myPurduePlan is knowledge source for specific requirements and completion  
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**Industrial Management/Engineering Fall 2014**  
[Plan of Study](#)

**Suggested Arrangement of Courses:**

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
4-5	MA 16100 or MA 16500	see myPurdue	4-5	MA 16200 or MA 16600	see myPurdue
4	ENGL 10600/ ENGL 10800		3	COM 11400	
4	CHM or PHYS	see myPurdue	4	CHM or PHYS	see myPurdue
3	PSY 12000 or SOC 10000		3	UC Humanities	
1	MGMT 10000				
<b>16-17</b>			<b>14-15</b>		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	MGMT 20000		3	STAT 22500	MA 16200 D- or higher
3	ECON 25100		3	MGMT 20100	MGMT 20000 C- or higher
4	MA 26100		3	ECON 25200	
3	CS 23500	MA 15400 or higher	3	ENGL 42000	ENGL 10600 or ENGL 10800 D- or higher
3	UC Science Tech & Society		3	International Elective	
<b>16</b>			<b>15</b>		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	UC Humanities		3	International Elective	
1	MGMT 30100		3	MGMT 30600	(pre or co-req MGMT 30500)
3	MGMT 30500	STAT 22500 C- or higher	3	OBHR 33000	
3	MGMT 31000	MGMT 20100 C- & ECON 25100 & STAT 22500 C- or higher	3	ECON 41900	ECON 25100
3	MGMT 32400	MGMT 20100 C- & ECON 25100 C- or higher	3	Required Engineering-Industrial Engineering Courses (See <a href="#">Worksheet</a> )	
3	Required Engineering-Industrial Engineering Courses (See <a href="#">Worksheet</a> )				
<b>16</b>			<b>15</b>		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	MGMT 38200	CS 23500 D- or higher	3	MGMT 44428 (Formerly OBHR 42800)	OBHR 33000 & MGMT 30500 D- or higher
3	MGMT 35400		3	MGMT 45100	MGMT 20100 C- & ECON 25100 C- or higher, junior standing
3	MGMT 36100	STAT 22500 C- or higher	3	Required Engineering-Industrial Engineering Courses(See <a href="#">Worksheet</a> )	
3	Required Engineering-Industrial Engineering Courses(See <a href="#">Worksheet</a> )		3	Required Engineering-Industrial Engineering Courses(See <a href="#">Worksheet</a> )	
3	General Elective		1	General Elective (if necessary)	

15		12-13	
			<b>Total Credits 120</b>

**\*UC\*** Satisfies a University Core Requirement

**\*PUWL\*** Course must be taken at Purdue University, West Lafayette

◊ Completion prior to admittance to upper division strongly encouraged

**120 semester credits required for Bachelor of Science degree.**

**2.0 Graduation GPA required for Bachelor of Science degree.**

**2.0 Major GPA (MGMT/ECON/OBHR) required for Bachelor of Science degree.**

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