

Industrial Management Engineering

Krannert School of Management
Fall 2016

Program: MGMT-BSIM
Code: IMEN
Credit Hours: 120
Graduation Index: 2.00 minimum
Major Index: 2.00 minimum

Required Major Upper Division Courses (33 credits)

- _____ (3) OBHR 33000 Organizational Behavior
- _____ (3) MGMT 30500 Business Statistics (**Prerequisite: STAT 22500 C- or higher**)
- _____ (3) MGMT 31000 Financial Management (**Prerequisite: MGMT 20100 & ECON 25100 & STAT 22500 C- or higher**)
- _____ (3) MGMT 30600 Management Science (**Pre or Co-requisite MGMT 30500 or STAT 35000 C- or higher**)
- _____ (3) MGMT 32400 Marketing Management (**Prerequisite: MGMT 20100 & ECON 25100 C- or higher**)
- _____ (3) MGMT 35400 Legal Foundations of Business I
- _____ (3) MGMT 36100 Operations Management (**Prerequisite: STAT 22500 C- or higher**)
- _____ (3) MGMT 38200 Management Information Systems (**Prerequisite: CS 23500 C- or higher**)
- _____ (3) MGMT 45100 Strategic Management (**Prerequisite: MGMT 20100 & ECON 25100 C- or higher**)
- _____ (3) ECON 41900 Managerial Economics (**Prerequisite: ECON 25100**)
- _____ (3) MGMT 44428 Human Resource Management (**Prerequisite: MGMT 30500 or STAT 35000 C- or higher**)

Major Selectives* - Complete 5 of the following courses (15 credits)

- _____ (3) IE 38600 Work Analysis and Design I (**Prerequisite: MGMT 30500**)
- _____ (3) IE 55600 Job Design (**Prerequisite: IE 38600 or IE 57700**)
- _____ (3) IE 55800 Safety Engineering (**Prerequisite: IE 38600**)
- _____ (3) IE 57700 Human Factors in Engineering
- _____ (3) IE 53000 Quality Control (**Prerequisite: MGMT 30500**)
- _____ (3) IE 53300 Industrial Applications of Statistics (**Prerequisite: MGMT 30500**)
- _____ (3) IE 54500 Engineering Economic Analysis (**Prerequisite: MGMT 31000**)
- _____ (3) IE 54600 Economic Decisions in Engineering (**Prerequisite: MGMT 31000**)
- _____ (3) IE 59000 Topics in Industrial Engineering

Other Departmental /Program Course Requirements (63- 66 credits, including MAI Core courses)

- _____ (1) MGMT 29500 Professional Career MGMT (**CC, C- or higher**)
- _____ (3) COM 11400 Fundamentals of Speech Communication ◊ ***UC* satisfies Oral Communication for core**
- _____ (3) CS 23500 Organizational Computing ◊ (**Co-rerequisite: MA 15400/MA 15910/MA 15800/ MA 16500/MA 22300/MA 16010**)
- _____ (3) ECON 25200 Macroeconomics ***UC* satisfies Behavioral/Social Science for core**
- _____ (3) ENGL 42000 Business Writing or ENGL 42100 Technical Writing (**Prerequisite: ENGL 10600/ENGL 10800**)
- _____ (4) MA 26100 Multivariate Calculus (**Prerequisite: MA 16200 C- or higher**)
- _____ (3) MGMT 20100 Management Accounting I (**Prerequisite: MGMT 20000 C- or higher**)
- _____ (3) STAT 22500 Intro to Probability Models (**Prerequisite: MA 16020 C- or higher**)
- _____ (4) Chemistry or Physics ***UC* * satisfies Science for core (CC, C- or higher)**
- _____ (3-4) Chemistry or Physics ***UC* * satisfies Science for core (CC, C- or higher)**
- _____ (3) PSY 12000 or SOC 10000
- _____ (3) International Elective <http://krannert.purdue.edu/undergraduate/current-students/International%20Electives.pdf>
- _____ (3) International Elective <http://krannert.purdue.edu/undergraduate/current-students/International%20Electives.pdf>
- _____ (3) UC Human Cultures (Humanities) ***UC*** www.purdue.edu/provost/initiatives/curriculum/course.html
- _____ (3) UC Science, Technology & Society ***UC*** www.purdue.edu/provost/initiatives/curriculum/course.html

◊ Completion prior to admittance to Upper Division strongly encouraged

UC Fulfills University Core requirement

CC Critical Course to satisfy MAI requirements

Chemistry or Physics (CC) (7-8 hours must be completed prior to admission to Upper Division)

Chemistry	11500 (4cr)	Physics	17200 (4cr)	22000(4cr)
	11600 (4cr)		21800(4cr)	22100 (4cr)
			21900(4cr)	24100 (3cr)

Equivalent courses, credit given for only one: PHYS 17200, 21800 & 22000

Management Admissions Index (MAI) Core*

- _____ (3) ECON 25100 Microeconomics ***UC* satisfies Behavioral/Social Science for core (CC)**
ENGL 10600 First-Year Composition or ENGL 10800 (3cr) Accelerated First-Year Composition ***UC* satisfies**
_____ (4) **Written Communication for core (CC)**
_____ (4-5) MA 16100 (5 cr)/MA 16500 (4 cr) Analytic Geometry & Calculus I ***UC* satisfies Quantitative Reasoning for**
_____ **core (CC)**
_____ (4-5) MA 16200 (5 cr) /MA 16600 (4 cr) Analytic Geometry & Calculus II **(CC, Prerequisite: MA 16100/MA16500 C-**
_____ **or higher)**
_____ (3) MGMT 20000 Introductory Accounting **(CC)**

Electives (6-9 credits)

_____ () _____	_____ () _____	_____ () _____	_____ () _____
_____ () _____	_____ () _____	_____ () _____	_____ () _____
_____ () _____	_____ () _____	_____ () _____	_____ () _____

***Management Admissions Index (MAI) Core**

- To be admitted into Upper Division, students who have completed all courses in the MAI must have at least a 2.65 MAI GPA and a 2.40 cumulative GPA, have a C- or higher in all MAI and required School of Management courses, and may not be on academic probation.
- Complete MGMT 29500 with a C- or higher; Grade calculated in GPA but not for MAI. Change of Degree Objective (CODO) students who have completed a similar career development course are exempt from this requirement.
- Requirements for Upper Division can be found online:
<http://www.krannert.purdue.edu/undergraduate/current-students/mgmt/mgmt-req-upper-div.asp>
- University Policy states students may only attempt a course 3 times and grades of W or WF are included in this limit. Per the School of Management, no more than three different MAI courses, or their equivalents, may be taken two times for a grade.
- Students are responsible for consulting their advisor about re-take options available to them.
- Complete 7-8 hours of Chemistry and/or Physics from below list with a C- or higher prior to admission to Upper Division Industrial Management.

University Core Requirements

Human Cultures Humanities	<input type="checkbox"/>	Science, Technology & Society	<input type="checkbox"/>
Human Cultures	<input type="checkbox"/>	Selective	<input type="checkbox"/>
Behavioral/Social Science	<input type="checkbox"/>	Written Communication	<input type="checkbox"/>
Information Literacy	<input type="checkbox"/>	Oral Communication	<input type="checkbox"/>
Science Selective	<input type="checkbox"/>	Quantitative Reasoning	<input type="checkbox"/>
Science Selective	<input type="checkbox"/>		<input type="checkbox"/>

The student is ultimately responsible for knowing and completing all degree requirements.

The knowledge source for specific degree requirements and completion is myPurduePlan.

- ◇ Completion prior to admittance to Upper Division strongly encouraged
UC Fulfills University Core requirement
CC Critical Course to satisfy MAI requirements

Industrial Management/ Engineering

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
4-5	MA 16100 or MA 16500 (CC)	ALEKS 085 or SAT MATH 650 or ACT MATH 29	4-5	MA 16200 or MA 16600 (CC)	MA 16100 or MA 16500
4	ENGL 10600/ ENGL 10800 (CC)		3	COM 11400	
4	CHM or PHYS (CC)	C- or higher	4	CHM or PHYS (CC)	C- or higher
3	PSY 12000 or SOC 10000		3	UC Humanities	
			1	MGMT 29500 (CC)	Must complete in the first or second year
15-16			15-16		
Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	MGMT 20000 (CC)		3	STAT 22500	MA 16200 C- or higher
3	ECON 25100 (CC)		3	MGMT 20100	MGMT 20000 C- or higher
4	MA 26100	MA 16200/MA16600 C- or higher	3	ECON 25200	
3	CS 23500	Co-requisite: MA 15400/MA 15910/MA 15800/ MA 16500/MA 22300/MA 16010	3	International Elective	
3	UC Science Tech & Society		3	General Elective	
16			15		
Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	ENGL 42000	ENGL 10600 or ENGL 10800 D- or higher	3	International Elective	
3	MGMT 30500	STAT 22500 C- or higher	3	MGMT 30600	Pre or co-req MGMT 30500 or STAT 35000 C- or higher
3	MGMT 31000	MGMT 20100 C- & ECON 25100 & STAT 22500 C- or higher	3	OBHR 33000	
3	MGMT 32400	MGMT 20100 C- & ECON 25100 C- or higher	3	ECON 41900	ECON 25100
3	Required Engineering Course		3	Required Engineering Course	
15			15		
Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	MGMT 38200	CS 23500 C- or higher	3	MGMT 44428	MGMT 30500 or STAT 35000 C- or higher
3	MGMT 35400		3	MGMT 45100	MGMT 20100 C- & ECON 25100 C- or higher
3	MGMT 36100	STAT 22500 C- or higher	3	Required Engineering Course	
3	Required Engineering Course		3	Required Engineering Course	
3	General Elective		2	General Elective	
15			14		
			Total Credits		120

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- CC Critical Course to satisfy MAI requirements