PURDUE UNIVERSITY

Industrial Management/Financial Engineering Fall 2014
Krannert School of Management

MGMT-IM-BS
Code-IMFE
120 Credits

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)

Financial Engineering Upper Division Required Courses
Complete 5 of the following courses for 15 credits / Must have completed MGMT 30100 or IE 34300 prior to starting these course

____	3	MGMT 41100 Investment Management
____	3	MGMT 41200 Financial Markets and Institutions
____	3	MGMT 41500 International Finance
____	3	MGMT 49000 Advance Spreadsheet Modeling
____	3	MGMT 49000 Predictive Analytics
____	3	MGMT 49000 Futures and Options
____	3	ECON 51100 Macroeconomics Theory
____	3	ECON 56200 Econometrics
____	3	IE 53500 Linear Programming (Pre-requisite IE 33500 and CS 15900 (15600) or CS 18000)
____	3	IE 53800 Nonlinear Optimization Algorithms and Models (pre-requisites IE 33500 and CS 15900 (15600))
____	3	IE 54600 Economic Decisions in Engineering (pre-requisite IE 33600)
____	3	IE 58100 Simulation Design and Analysis (pre-requisite CS 15900, IE 33000, IE 33600
____	3	IE 59000 Financial Engineering (Summer Only)

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)

____ ( ) _____   ____ ( ) _____   ____ ( ) _____   ____ ( ) _____

University Core Requirements

Human Cultures Humanities   ☐ _____   Science, Technology & Society Selective   ☐ _____

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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/Financial 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				
16-17			**14-15**		

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	
16			**15**		

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	Financial Engineering Upper Division Required Courses (See Worksheet)	
3	Financial Engineering Upper Division Required Courses (See Worksheet)				
16			**15**		

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	Financial Engineering Upper Division Required Courses (See Worksheet)	
3	Financial Engineering Upper Division Required Courses (See Worksheet)		3	Financial Engineering Upper Division Required Courses (See Worksheet)	
3	General Elective		1	General Elective (if necessary)	
15			**12-13**		

Revised 04/23/2014 LS (effective Fall 2014)

	Total Credits	120

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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