

# Industrial Management Operations & Supply Chain Management

## Krannert School of Management

### Fall 2016

Program: MGMT-BSIM  
Code: OSCM  
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 (15 credits)

##### 1. Complete the following courses (6 credits)

- \_\_\_\_\_ (3) MGMT 46300 Supply Chain Analytics (**Prerequisite: MGMT 36100, MA 16100, and STAT 35000 C- or higher**)
- \_\_\_\_\_ (3) MGMT 46400 Logistics: Concepts and Models (**Prerequisite: MGMT 30600 and MGMT 36100**)

##### 2. Complete 3 of the following courses (9 credits)

- \_\_\_\_\_ (3) MGMT 40500 Six Sigma Quality Management (**Prerequisite: MGMT 30500 or STAT 35000 C- or higher**)
- \_\_\_\_\_ (3) MGMT 45200 Manufacturing Strategy (**Prerequisite: MGMT 36100 & MGMT 45100 C- or higher**)
- \_\_\_\_\_ (3) MGMT 46200 Advanced Manufacturing Planning & Control Systems (**Prerequisite: MGMT 36100 C- or higher**)
- \_\_\_\_\_ (3) MGMT 56200 Project Management (**Prerequisite or Co-Requisite: MGMT 36100**)
- \_\_\_\_\_ (3) MGMT 49000 Predictive Analytics (**Prerequisite: MGMT 30500**)
- \_\_\_\_\_ (3) MA 26500 Linear Algebra (**Prerequisite or Co-Requisite: MA 26100 C- or higher**)

#### 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 **\*UC\* satisfies Behavioral/Social Science for core**
- \_\_\_\_\_ (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](http://www.purdue.edu/provost/initiatives/curriculum/course.html)
- \_\_\_\_\_ (3) UC Science, Technology & Society **\*UC\*** [www.purdue.edu/provost/initiatives/curriculum/course.html](http://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**

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

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

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

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◊ Completion prior to admittance to Upper Division strongly encouraged

**\*UC\*** Fulfills University Core requirement

**CC** Critical Course to satisfy MAI requirements

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## 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
<b>15-16</b>			<b>15-16</b>		
Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	MGMT 20000 (CC)		3	STAT 22500	MA 16020 or MA 16100 C- or higher
3	ECON 25100 (CC)		3	MGMT 20100	MGMT 20000 C- or higher
4	MA 26100		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	
<b>16</b>			<b>15</b>		
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 46400	MGMT 30500	3	ECON 41900	ECON 25100
3	MGMT 36100	STAT 22500 C- or higher	3	MGMT 46300	MGMT 30600 and MGMT 36100
<b>15</b>			<b>15</b>		
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 32400	MGMT 20100 C- & ECON 25100 C- or higher	3	Required OSCM Course	
3	Required OSCM Course		3	General Elective	
3	Required OSCM Course		2	General Elective	
<b>15</b>			<b>14</b>		
			<b>Total Credits</b>		<b>120</b>

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