Supply Chain Information & Analytics
Krannert School of Management
Fall 2016

Required Major Upper Division Courses (42 credits)

- (3) OBHR 33000 Organizational Behavior
- (3) MGMT 30500 Business Statistics **(Prerequisite: STAT 22500 C- or higher)**
- (3) MGMT 30600 Management Science **(Pre or co-req MGMT 30500 or STAT 35000 C- or higher)**
- (3) MGMT 31000 Financial Management **(Prerequisite: MGMT 20100 & ECON 25100 & STAT 22500 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 44428 Human Resource Management **(Prerequisite: MGMT 30500 or STAT 35000 C- or higher)**
- (3) MGMT 45100 Strategic Management Prerequisite: **(Prerequisite: MGMT 20100 & ECON 25100 C- or higher)**
- (3) MGMT 47200 Advanced Spreadsheet Modeling & Simulation **(Prerequisite: MGMT 30500 or STAT 35000 C- or higher)**
- (3) MGMT 46300 Supply Chain Analytics
- (3) MGMT 54400 Database Management System **(Prerequisite: MGMT 38200 C- or higher)**
- (3) ECON 41900 Managerial Economics **(Prerequisite: ECON 25100)**

Major Selectives* - Choose one or more career tracks (9 credits/track)

1. Business Analytics
Successfully complete the following two courses:

- (3) MGMT 49000 Business Data Mining
- (3) MGMT 40500 Six Sigma & Quality Management

And successfully complete at least one of the following courses:
- (3) MGMT 49000 Predictive Analytics
- (3) MGMT 46400 Logistics: Concepts and Models
- (3) ECON 36000 Econometrics

2. Management Information Systems
Successfully complete the following two courses:

- (3) MGMT 29000 Programming for Business Applications
- (3) MGMT 54500 Systems Development

And successfully complete at least one of the following courses:
- (3) MGMT 54700 Computer Communication Systems
- (3) MGMT 48800 Electronic Commerce and Information Strategies

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

3. **Supply Chain & Operations Management**
   Successfully complete the following two courses:

   _____ (3)   MGMT 46400 Logistics: Concepts and Models
   _____ (3)   MGMT 46200 Advance Manufacturing, Planning, & Control Systems

   And **s**uccessfully complete at least one of the following courses:
   _____ (3)   MGMT 49000 Predictive Analytics
   _____ (3)   MGMT 40500 Six Sigma & Quality Management

Other Departmental/Program Course Requirements (56 credits, including MAI Core courses)
   _____ (1)   MGMT 29500 Professional Career Management **(CC, C- or higher)**
   _____ (3)   COM 11400 Fundamentals of Speech Communication **(◊ *UC* satisfies Oral Communication for core)**
   _____ (3)   CS 23500 Organizational Computing **(◊ MA 16010)**
   _____ (3)   ECON 25200 Macroeconomics **(*UC* satisfies Behavioral/Social Science for core)**
   _____ (3)   ENGL 42000 Business Writing **(Prerequisite: ENGL 10600/ENGL 10800)**
   _____ (3)   MGMT 20100 Management Accounting I **(Prerequisite: MGMT 20000 C- or higher)**
   _____ (3)   STAT 22500 Introduction to Probability Models **(Prerequisite: MA 16020 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)   University Core: Human Cultures (Humanities)
   _____ (3)   University Core: Science
   _____ (3)   University Core: Science
   _____ (3)   University Core: Science, Technology & Society

Management Admissions Index (MAI) Core*
   _____ (3)   ECON 25100 Microeconomics **(CC, *UC* satisfies Behavioral/Social Science for core)**
   _____ (4)   ENGL 10600 First-Year Composition or ENGL 10800 (3cr) Accelerated First-Year Composition **(CC, *UC* satisfies Written Communication for core)**
   _____ (3)   MA 16010 Applied Calculus I **(CC, *UC* satisfies Quantitative Reasoning for core)**
   _____ (3)   MA 16020 Applied Calculus II **(CC, Prerequisite: MA 16010 C- or higher)**
   _____ (3)   MGMT 20000 Introductory Accounting **(CC)**

Electives (13 credits)
   The number of general electives will vary for each student and can include AP credit, transfer credit, and/or Credit by Exam.

   _____ ( ) _____   ___ ( ) _____   ___ ( ) _____   ___ ( ) _____
   _____ ( ) _____   ___ ( ) _____   ___ ( ) _____   ___ ( ) _____
   _____ ( ) _____   ___ ( ) _____   ___ ( ) _____   ___ ( ) _____

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

*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 3.00 MAI GPA and a 2.50 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.
- School of Management, MAI, and concentration courses with grades of "F" cannot be replaced by a transfer course.
- Previous enrollments in MA 16100, 16200, 16500, 16600 do not count against the retake policy for the MAI.

University Core Requirements

Human Cultures Humanities	☐ _____	*Science, Technology & Society Selective*	☐ _____
Human Cultures Behavioral/Social Science	☐ _____	*Written Communication*	☐ _____
Information Literacy	☐ _____	*Oral Communication*	☐ _____
Science Selective	☐ _____	*Quantitative Reasoning*	☐ _____
Science Selective	☐ _____		

General Information

- MGMT, OBHR and ECON courses numbered 30000 can only be taken after being admitted to Upper Division.
- Transfer credit for upper level MGMT, OBHR and ECON (https://selfservice.mypurdue.purdue.edu/prod/bzwtxcrd.p_select_info) courses will only be considered if taken at a 4 year AACSB accredited school, (www.aacsb.edu).
- Courses taken on approved Krannert study abroad programs may be used to satisfy degree requirements. Students participating in a Purdue approved study abroad program are registered as full-time Purdue students during their semester abroad. Schedule an appointment with your advisor to discuss study abroad opportunities.
- Minors outside of the School of Management are also available.
- Information on summer courses is available at www.purdue.edu/thinksummer.
- Refer to myPurduePlan at www.mypurdue.purdue.edu for degree requirements

****

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

Supply Chain Information & Analytics

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
3	MA 16010 (CC)	ALEKS 75 or MA 15400 or MA 15800 C- or higher	3	MA 16020 (CC)	MA 16010 C- or higher
4	ENGL 10600/ ENGL 10800 (CC)		3	COM 11400	
3	PSY 12000 or SOC 10000		3	ECON 25100 (CC)	
3	UC Science		3	UC Science	
2	General Elective or AP/CR by Exam/TR		1	MGMT 29500 (CC)	Must complete in the first or second year
			3	UC Human Cultures (Humanities)	
15			**16**		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	MGMT 20000 (CC)		3	MGMT 20100	MGMT 20000 C- or higher
3	CS 23500	MA 15400/15800/16010	3	MGMT 30500	STAT 22500 C- or higher
3	STAT 22500	MA 16020 C- or higher	3	ECON 25200	
3	UC Science, Tech & Society		3	International Elective	
3	General Elective		3	General Elective	
15			**15**		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	MGMT 31000	MGMT 20100 C- & ECON 25100 & STAT 22500 C- or higher	3	MGMT 47200	Pre or co-req MGMT 30600
3	MGMT 32400	MGMT 20100 C- & ECON 25100 C- or higher	3	MGMT 35400	
3	OBHR 33000		3	MGMT 45100	MGMT 20100 C- & ECON 25100 C- or higher
3	MGMT 38200	CS 23500 C- or higher	3	ENGL 42000	ENGL 10600 or ENGL 10800 D- or higher
3	MGMT 30600	Pre or co-req MGMT 30500 or STAT 35000 C- or higher	3	International Elective	
15			**15**		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	MGMT 36100	STAT 22500 C- or higher	3	Required SCIA course	
3	MGMT 44428	MGMT 30500 or STAT 350 C- or higher	3	Required SCIA course	
3	ECON 41900	ECON 25100	3	Required SCIA course	
3	MGMT 46300		3	General Elective	
3	MGMT 54400	MGMT 38200 C- or higher	2	General Elective	
15			**14**		
				Total Credits	**120**

****

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