**Bachelor of Science in Management**

**Major: Industrial Management/Quantitative Methods**

**Minimum credit hours: 120**

**Management Admissions Index Core (MAI)**
- To be automatically 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 School of Management courses, and may not be on academic probation.
- Requirements for upper division can be found online: [http://www.krannert.purdue.edu/undergraduate/current-students/im/im-req-upper-div.asp](http://www.krannert.purdue.edu/undergraduate/current-students/im/im-req-upper-div.asp)
- MAI courses, or their equivalents, may only be enrolled in two times for a grade.
- A maximum of three MAI courses may be retaken.
- School of Management, MAI, and concentration courses with grades of “F” can only be retaken at Purdue University.
- Both science electives must be completed prior to admission to upper division of Industrial Management

**MAI Core**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 25100</td>
<td>Microeconomics <em>UC</em> <em>(satisfies Behavioral/Social Science for core)</em></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENGL 10600</td>
<td>First-Year Composition or ENGL 10800 Accelerated First-Year Composition <em>UC</em> <em>(satisfies Written Communication for core)</em></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MA 16100/MA 16500</td>
<td>Analytic Geometry &amp; Calculus I <em>UC</em> <em>(satisfies Quantitative Reasoning for core)</em></td>
<td>4-5</td>
<td></td>
</tr>
<tr>
<td>MA 16200/MA 16600</td>
<td>Analytic Geometry &amp; Calculus II <em>UC</em> <em>(satisfies Quantitative Reasoning for core)</em></td>
<td>4-5</td>
<td></td>
</tr>
<tr>
<td>MGMT 20000</td>
<td>Introductory Accounting</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**School of Management Foundations**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 11400</td>
<td>Fundamentals of Speech Communication <em>UC</em> <em>(satisfies Oral Communication for core)</em></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CS 23500</td>
<td>Organizational Computing <em>PU</em></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECON 25200</td>
<td>Macroeconomics <em>(satisfies Behavioral/Social Science for core)</em></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENGL 42000</td>
<td>Business Writing</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MA 26100</td>
<td>Multivariate Calculus</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>MGMT 10000</td>
<td>Introduction to Management (highly recommended, but not required)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 20100</td>
<td>Management Accounting I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STAT 22500</td>
<td>Introduction to Probability Models</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Upper Division Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 41900</td>
<td>Managerial Economics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 30100</td>
<td>Management Career Lectures</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>MGMT 30500</td>
<td>Business Statistics <em>PU</em></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 30600</td>
<td>Management Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 31000</td>
<td>Financial Management <em>PU</em></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 32400</td>
<td>Marketing Management <em>PU</em></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 35400</td>
<td>Legal Foundations of Business I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 36100</td>
<td>Operations Management <em>PU</em></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 38200</td>
<td>Management Information Systems <em>PU</em></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 45100</td>
<td>Strategic Management <em>PU</em></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OBHR 33000</td>
<td>Organizational Behavior</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGMT 44428</td>
<td>Human Resource Management</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

◊ Completion prior to admittance to upper division strongly encouraged

*PU* These courses must be taken at a Purdue University campus.

*UC* Fulfills University Core requirement

**GRADUATION INDEX REQUIREMENTS**

Graduation Index: 2.0 minimum
Major (MGMT, OBHR, ECON) Index: 2.0 minimum

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

Revised 12/29/2014 TS (effective Fall 2014)
Quantitative Methods Upper Division Required Courses
Complete the following course:

- 3 MA 26200 Linear Algebra & Differential Equations
- 3 IE 33600 Operations Research-Stochastic Models
- 3 IE 53600 Stochastic Models in Operations Research I
- 3 IE 53700 Discrete Optimization Models & Algorithms
- 3 STAT 51200 Applied Regression Analysis

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)
- 3 Chemistry or Physics (C or higher)
- 3 PSY 12000 or SOC 10000 *UC* (satisfies Behavioral/Social Science for core)
- 3 International Elective
- 3 International Elective

Chemistry or Physics (8 Hours must be completed prior to admission to Upper Division)

<table>
<thead>
<tr>
<th>Chemistry</th>
<th>Physics</th>
</tr>
</thead>
<tbody>
<tr>
<td>11500 (4cr)</td>
<td>17200 (4cr)</td>
</tr>
<tr>
<td>12300 (4cr)</td>
<td>21900 (4cr)</td>
</tr>
<tr>
<td>12400 (4cr)</td>
<td>22000 (4cr)</td>
</tr>
<tr>
<td>11600 (4cr)</td>
<td>21800 (4cr)</td>
</tr>
<tr>
<td>12400 (4cr)</td>
<td>22100 (4cr)</td>
</tr>
</tbody>
</table>

Equivalent courses, credit given for only one:
CHM 11500 & 12300; CHM 11600 & 12400; PHYS 17200, 21800 & 22000; PHYS 21900, 22100, 24100, 25100 & 26100

International Electives

<table>
<thead>
<tr>
<th>AGEC</th>
<th>COM</th>
<th>POL</th>
<th></th>
</tr>
</thead>
</table>
| 25000 | 22400 | 13000 | *You must be in Upper Division to take these classes.
| 34000 | 30300 | 14100 |
| 45000 | 33200 | 23500 |
| 34100 | 34000 | 23700 |
| 33300 | 34300 | 34700 |
| 38000 | 34400 | 34800 |
| 38100 | 40800 | 43000 |
| 38300 | 33000 | 43200 |
| 48300 | 33100 | 43300 |

- Any foreign language course – 20100, 20200, 30100, 30200, 40100, and 40200 not in your native language.
- Foreign language course cannot be taught in English

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

◊ Completion prior to admittance to upper division strongly encouraged

*PU* These courses must be taken at a Purdue University campus.

*UC* Fulfills University Core requirement

GRADUATION INDEX REQUIREMENTS
Graduation Index: 2.0 minimum
Major (MGMT, OBHR, ECON) Index: 2.0 minimum

The student is ultimately responsible for knowing and completing all degree requirements.
## University Core Requirements

<table>
<thead>
<tr>
<th>Human Cultures Humanities</th>
<th>☐</th>
<th>ECON 25100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Cultures Behavioral/Social Science</td>
<td>☐</td>
<td>ENGL 10600/ENGL 10800</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>☐</td>
<td>CHM or PHYS</td>
</tr>
<tr>
<td>Science Selective</td>
<td>☐</td>
<td>CHM or PHYS</td>
</tr>
<tr>
<td>Science, Technology &amp; Society Selective</td>
<td>☐</td>
<td>ENGL 10600/ENGL 10800</td>
</tr>
<tr>
<td>Written Communication</td>
<td>☐</td>
<td>COM 11400</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>☐</td>
<td>MA 16100/MA 16500</td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td>☐</td>
<td></td>
</tr>
</tbody>
</table>

### General Information

- MGMT, OBHR and ECON courses numbered 30000 or higher can only be taken after being admitted to Upper Division.
- MGMT 30400, 32300, 45500 and MGMT 44301 are **no** credit courses.
- Transfer credit for upper level MGMT, OBHR and ECON courses will only be considered if taken at a 4 year AACSB accredited school. ([www.aacsb.edu](http://www.aacsb.edu)).
- Courses taken on approved Purdue study abroad programs may be used to satisfy degree requirements. Schedule an appointment with your advisor to discuss study abroad opportunities.
- Minors outside of the School of Management are also available.
- *PU* Course **MUST** be taken at PURDUE UNIVERSITY CAMPUS.
- Completion prior to admittance to upper division strongly encouraged
- *PU* These courses must be taken at a Purdue University campus.
- *UC* Fulfills University Core requirement

### GRADUATION INDEX REQUIREMENTS

- Graduation Index: 2.0 minimum
- Major (MGMT, OBHR, ECON) Index: 2.0 minimum

---

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

Revised 12/29/2014 TS (effective Fall 2014)
## Suggested Arrangement of Courses:

### Fall 1st Year
- Credits: 4-5
  - Courses: MA 16100 or MA 16500
  - Prerequisite: see myPurdue

### Spring 1st Year
- Credits: 4-5
  - Courses: MA 16200 or MA 16600
  - Prerequisite: see myPurdue

### Fall 1st Year
- Credits: 3
  - Courses: ENGL 10600 / ENGL 10800
  - Prerequisite: COM 11400

### Spring 1st Year
- Credits: 4
  - Courses: CHM or PHYS
  - Prerequisite: see myPurdue

### Fall 1st Year
- Credits: 3
  - Courses: PSY 12000 or SOC 10000
  - Prerequisite: UC Humanities

### Spring 1st Year
- Credits: 3
  - Courses: UC Humanities

### Fall 1st Year
- Credits: 1
  - Course: MGMT 10000

### Spring 1st Year
- Credits: 1
  - Course: MGMT 20000

### Fall 2nd Year
- Credits: 3
  - Courses: MGMT 20100
  - Prerequisite: MGMT 20000 C- or higher

### Spring 2nd Year
- Credits: 4
  - Courses: MA 26100
  - Prerequisite: ECON 25100

### Fall 2nd Year
- Credits: 3
  - Courses: ECON 25100
  - Prerequisite: MGMT 20000

### Spring 2nd Year
- Credits: 3
  - Courses: MA 26100
  - Prerequisite: ECON 25200

### Fall 2nd Year
- Credits: 3
  - Courses: ENGL 42000
  - Prerequisite: ENGL 10600 or ENGL 10800

### Spring 2nd Year
- Credits: 3
  - Courses: UC Science Tech & Society

### Fall 2nd Year
- Credits: 1
  - Course: MGMT 30600

### Spring 2nd Year
- Credits: 3
  - Courses: MGMT 30500
  - Prerequisite: STAT 22500 C- or higher

### Fall 3rd Year
- Credits: 3
  - Courses: OBHR 33000
  - Prerequisite: MGMT 30500 D- or higher

### Spring 3rd Year
- Credits: 3
  - Courses: MGMT 45100
  - Prerequisite: MGMT 20100 C- & ECON 25100 C- or higher, junior standing

### Fall 3rd Year
- Credits: 3
  - Courses: MGMT 36100
  - Prerequisite: STAT 22500 C- or higher

### Spring 3rd Year
- Credits: 3
  - Courses: Quantitative Methods Upper Division

### Fall 4th Year
- Credits: 3
  - Courses: MGMT 38200
  - Prerequisite: CS 23500 D- or higher

### Spring 4th Year
- Credits: 3
  - Courses: MGMT 44428 (Formerly OBHR 42800)
  - Prerequisite: OBHR 33000 & MGMT 30500 D- or higher

### Fall 4th Year
- Credits: 3
  - Courses: MGMT 35400
  - Prerequisite: MGMT 45100

### Spring 4th Year
- Credits: 3
  - Courses: MGMT 36100
  - Prerequisite: Quantitative Methods Upper Division

### Fall 4th Year
- Credits: 3
  - Courses: Quantitative Methods Upper Division

### Spring 4th Year
- Credits: 3
  - Courses: Quantitative Methods Upper Division

### Fall 4th Year
- Credits: 3
  - Courses: General Elective
  - Prerequisite: General Elective (if necessary)

### Spring 4th Year
- Credits: 1
  - Course: General Elective (if necessary)

### Total Credits
- Total: 120

---

◊ Completion prior to admittance to upper division strongly encouraged

*PU* These courses must be taken at a Purdue University campus.

*UC* Fulfills University Core requirement

GRADUATION INDEX REQUIREMENTS
- Graduation Index: 2.0 minimum
- Major (MGMT, OBHR, ECON) Index: 2.0 minimum

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

Revised 12/29/2014 TS (effective Fall 2014)