

**COLLEGE OF BUSINESS – INDIANA STATE UNIVERSITY  
BACHELOR OF SCIENCE DEGREE - Operations Management and Analysis**

Name \_\_\_\_\_ Minor \_\_\_\_\_

University General Education Requirements	College of Business Core Requirements																																																																																																																																																																																																									
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Basic Studies</th> <th style="text-align: center;">Hours</th> <th style="text-align: center;">Grade</th> </tr> </thead> <tbody> <tr><td>ENG 105 or 107</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>* BEIT 336</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>COMM 101 or 215</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>MATH 111, 115, or calculus course</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>PE 101</td><td style="text-align: center;">2</td><td style="text-align: center;">_____</td></tr> <tr><td>Foreign Language (if required) <b>or</b> nonbusiness elective</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>Foreign Language (if required) <b>or</b> nonbusiness elective</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>ENG 101 (if required) <b>or</b> nonbusiness elective</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td colspan="3"> </td></tr> <tr> <th style="text-align: left;">Liberal Studies</th> <td></td> <td></td> </tr> <tr> <td><i>Scientific and Mathematical Studies</i></td> <td style="text-align: center;">7</td> <td></td> </tr> <tr> <td>(one course must be a lab. science course)</td> <td></td> <td></td> </tr> <tr><td>SMS-F _____</td><td style="text-align: center;">1</td><td style="text-align: center;">_____</td></tr> <tr><td>SMS-F _____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>SMS-E _____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td colspan="3"> </td></tr> <tr> <td><i>Social and Behavioral Studies</i></td> <td style="text-align: center;">6</td> <td></td> </tr> <tr><td>SBS-E *ECON 200</td><td style="text-align: center;">3</td><td style="text-align: center;">X</td></tr> <tr><td>SBS-F _____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td colspan="3"> </td></tr> <tr> <td><i>Literary, Artistic and Philosophical Studies</i></td> <td style="text-align: center;">6</td> <td></td> </tr> <tr><td>LAPS:LL _____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>LAPS:E _____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td colspan="3"> </td></tr> <tr> <td><i>Historical Studies</i></td> <td style="text-align: center;">3</td> <td></td> </tr> <tr><td>HS:R _____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td colspan="3"> </td></tr> <tr> <td><i>Multicultural Studies</i></td> <td style="text-align: center;">6</td> <td></td> </tr> <tr><td>MCS:USD _____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>MCS:IC _____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td colspan="3"> </td></tr> <tr> <td><i>Capstone</i></td> <td style="text-align: center;">3</td> <td style="text-align: center;">X</td> </tr> <tr><td>BUS 401</td><td style="text-align: center;">3</td><td style="text-align: center;">X</td></tr> </tbody> </table>	Basic Studies	Hours	Grade	ENG 105 or 107	3	_____	* BEIT 336	3	_____	COMM 101 or 215	3	_____	MATH 111, 115, or calculus course	3	_____	PE 101	2	_____	Foreign Language (if required) <b>or</b> nonbusiness elective	3	_____	Foreign Language (if required) <b>or</b> nonbusiness elective	3	_____	ENG 101 (if required) <b>or</b> nonbusiness elective	3	_____	 			Liberal Studies			<i>Scientific and Mathematical Studies</i>	7		(one course must be a lab. science course)			SMS-F _____	1	_____	SMS-F _____	3	_____	SMS-E _____	3	_____	 			<i>Social and Behavioral Studies</i>	6		SBS-E *ECON 200	3	X	SBS-F _____	3	_____	 			<i>Literary, Artistic and Philosophical Studies</i>	6		LAPS:LL _____	3	_____	LAPS:E _____	3	_____	 			<i>Historical Studies</i>	3		HS:R _____	3	_____	 			<i>Multicultural Studies</i>	6		MCS:USD _____	3	_____	MCS:IC _____	3	_____	 			<i>Capstone</i>	3	X	BUS 401	3	X	<p><b>I. Cornerstone and Foundation Courses</b> (Prebusiness requirements) <i>Must be completed with an average GPA of 2.25 or higher</i></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Hours</th> <th style="text-align: center;">Grade</th> </tr> </thead> <tbody> <tr><td>BUS 101 – Freshman Business Experience I</td><td style="text-align: center;">1</td><td style="text-align: center;">_____</td></tr> <tr><td>BUS 102 – Freshman Business Experience II (BUS 101)</td><td style="text-align: center;">1</td><td style="text-align: center;">_____</td></tr> <tr><td>BUS 170 – Information Tools</td><td style="text-align: center;">2</td><td style="text-align: center;">_____</td></tr> <tr><td>BUS 201 – Accounting Principles I (24 hours)</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>BUS 202 – Accounting Principles II (BUS 201)</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>BUS 205 – Business Statistics I (MATH 111, 115 or calculus course and BUS 170)</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>*ECON 200 – Principles of Macroeconomics</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>*ECON 201 – Principles of Microeconomics (Prebusiness requirements include freshman English composition and communication)</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> </tbody> </table> <hr/> <p><b>II. Functional Block and Capstone Courses</b> <i>Must be completed with an average GPA of 2.25 or higher</i></p> <p>BUS 305 – Business Statistics II (BUS 205) (Bus 305 must be taken before or as a co-requisite for the first course taken in the Bus 311, 321, 351, 361, 371 series)</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Hours</th> <th style="text-align: center;">Grade</th> </tr> </thead> <tbody> <tr><td>BUS 305</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> </tbody> </table> <p><b>Prebusiness requirements must be met before enrollment is allowed in the following courses:</b></p> <table style="width:100%; border-collapse: collapse;"> <tbody> <tr><td>BUS 311 – Business Finance</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>BUS 321 – Intro to Management Information Systems</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>BUS 351 – Intro to Operations Management</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>BUS 361 – Principles of Marketing</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>BUS 371 – Management and Organizational Behavior</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>BUS 401 – Senior Business Experience (BUS 263, 305, 311, 321, 351, 361, 371 series)</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> </tbody> </table> <hr/> <p><b>III. Additional School of Business Requirements:</b></p> <table style="width:100%; border-collapse: collapse;"> <tbody> <tr><td>*BEIT 336 – Business Report Writing (ENG 105, 107 or 108 and completion of 48 hours)</td><td style="text-align: center;">3</td><td style="text-align: center;">X</td></tr> <tr><td>BUS 220 – Dynamics of Professional Success (ENG 105, 107 or 108 and COMM 101 or 215)</td><td style="text-align: center;">1</td><td style="text-align: center;">_____</td></tr> <tr><td>BUS 263 - Legal Environment. &amp; Bus (sophomore standing)</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> </tbody> </table> <hr/> <p><b>IV. Major Requirements</b> <i>A cumulative GPA of 2.25 is required in all major courses.</i></p> <p>BEIT 320 – Microcomputer For Information Processing <b>or</b></p> <table style="width:100%; border-collapse: collapse;"> <tbody> <tr><td>MIS 376 – Bus Comp Systems (BUS 170, 201) <b>or</b> equiv.</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>++ OMA 405 – Business Statistics III (BUS 305)</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>++ OMA 435 – Decision Modeling (BUS 305)</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>++ OMA 445 - Advanced Operations Management (BUS 351)</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>++ OMA 490 - Supply Chain Management (OMA 445)</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>++ Electives - Choice of 9 hours from OMA classes numbered 300 and above. Three hours from a closely related area may be chosen with consent of chairperson.</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>_____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>_____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> <tr><td>_____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> </tbody> </table> <hr/> <p><b>Nonbusiness Electives</b> <i>Eight hours of nonbusiness electives must be completed.</i></p> <table style="width:100%; border-collapse: collapse;"> <tbody> <tr><td>*ECON 201</td><td style="text-align: center;">3</td><td style="text-align: center;">X</td></tr> <tr><td>_____</td><td style="text-align: center;">2</td><td style="text-align: center;">_____</td></tr> <tr><td>_____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> </tbody> </table> <p><b>General Electives (either business or nonbusiness)</b> <i>Three hours of general electives must be completed.</i></p> <table style="width:100%; border-collapse: collapse;"> <tbody> <tr><td>_____</td><td style="text-align: center;">3</td><td style="text-align: center;">_____</td></tr> </tbody> </table> <p>++ Classes customarily offered in the fall: OMA 405, 439, 445, 460, 470 Classes customarily offered in the Spring: OMA 425, 435, 439, 480, 486, 490</p>		Hours	Grade	BUS 101 – Freshman Business Experience I	1	_____	BUS 102 – Freshman Business Experience II (BUS 101)	1	_____	BUS 170 – Information Tools	2	_____	BUS 201 – Accounting Principles I (24 hours)	3	_____	BUS 202 – Accounting Principles II (BUS 201)	3	_____	BUS 205 – Business Statistics I (MATH 111, 115 or calculus course and BUS 170)	3	_____	*ECON 200 – Principles of Macroeconomics	3	_____	*ECON 201 – Principles of Microeconomics (Prebusiness requirements include freshman English composition and communication)	3	_____		Hours	Grade	BUS 305	3	_____	BUS 311 – Business Finance	3	_____	BUS 321 – Intro to Management Information Systems	3	_____	BUS 351 – Intro to Operations Management	3	_____	BUS 361 – Principles of Marketing	3	_____	BUS 371 – Management and Organizational Behavior	3	_____	BUS 401 – Senior Business Experience (BUS 263, 305, 311, 321, 351, 361, 371 series)	3	_____	*BEIT 336 – Business Report Writing (ENG 105, 107 or 108 and completion of 48 hours)	3	X	BUS 220 – Dynamics of Professional Success (ENG 105, 107 or 108 and COMM 101 or 215)	1	_____	BUS 263 - Legal Environment. & Bus (sophomore standing)	3	_____	MIS 376 – Bus Comp Systems (BUS 170, 201) <b>or</b> equiv.	3	_____	++ OMA 405 – Business Statistics III (BUS 305)	3	_____	++ OMA 435 – Decision Modeling (BUS 305)	3	_____	++ OMA 445 - Advanced Operations Management (BUS 351)	3	_____	++ OMA 490 - Supply Chain Management (OMA 445)	3	_____	++ Electives - Choice of 9 hours from OMA classes numbered 300 and above. Three hours from a closely related area may be chosen with consent of chairperson.	3	_____	_____	3	_____	_____	3	_____	_____	3	_____	*ECON 201	3	X	_____	2	_____	_____	3	_____	_____	3	_____
Basic Studies	Hours	Grade																																																																																																																																																																																																								
ENG 105 or 107	3	_____																																																																																																																																																																																																								
* BEIT 336	3	_____																																																																																																																																																																																																								
COMM 101 or 215	3	_____																																																																																																																																																																																																								
MATH 111, 115, or calculus course	3	_____																																																																																																																																																																																																								
PE 101	2	_____																																																																																																																																																																																																								
Foreign Language (if required) <b>or</b> nonbusiness elective	3	_____																																																																																																																																																																																																								
Foreign Language (if required) <b>or</b> nonbusiness elective	3	_____																																																																																																																																																																																																								
ENG 101 (if required) <b>or</b> nonbusiness elective	3	_____																																																																																																																																																																																																								
Liberal Studies																																																																																																																																																																																																										
<i>Scientific and Mathematical Studies</i>	7																																																																																																																																																																																																									
(one course must be a lab. science course)																																																																																																																																																																																																										
SMS-F _____	1	_____																																																																																																																																																																																																								
SMS-F _____	3	_____																																																																																																																																																																																																								
SMS-E _____	3	_____																																																																																																																																																																																																								
<i>Social and Behavioral Studies</i>	6																																																																																																																																																																																																									
SBS-E *ECON 200	3	X																																																																																																																																																																																																								
SBS-F _____	3	_____																																																																																																																																																																																																								
<i>Literary, Artistic and Philosophical Studies</i>	6																																																																																																																																																																																																									
LAPS:LL _____	3	_____																																																																																																																																																																																																								
LAPS:E _____	3	_____																																																																																																																																																																																																								
<i>Historical Studies</i>	3																																																																																																																																																																																																									
HS:R _____	3	_____																																																																																																																																																																																																								
<i>Multicultural Studies</i>	6																																																																																																																																																																																																									
MCS:USD _____	3	_____																																																																																																																																																																																																								
MCS:IC _____	3	_____																																																																																																																																																																																																								
<i>Capstone</i>	3	X																																																																																																																																																																																																								
BUS 401	3	X																																																																																																																																																																																																								
	Hours	Grade																																																																																																																																																																																																								
BUS 101 – Freshman Business Experience I	1	_____																																																																																																																																																																																																								
BUS 102 – Freshman Business Experience II (BUS 101)	1	_____																																																																																																																																																																																																								
BUS 170 – Information Tools	2	_____																																																																																																																																																																																																								
BUS 201 – Accounting Principles I (24 hours)	3	_____																																																																																																																																																																																																								
BUS 202 – Accounting Principles II (BUS 201)	3	_____																																																																																																																																																																																																								
BUS 205 – Business Statistics I (MATH 111, 115 or calculus course and BUS 170)	3	_____																																																																																																																																																																																																								
*ECON 200 – Principles of Macroeconomics	3	_____																																																																																																																																																																																																								
*ECON 201 – Principles of Microeconomics (Prebusiness requirements include freshman English composition and communication)	3	_____																																																																																																																																																																																																								
	Hours	Grade																																																																																																																																																																																																								
BUS 305	3	_____																																																																																																																																																																																																								
BUS 311 – Business Finance	3	_____																																																																																																																																																																																																								
BUS 321 – Intro to Management Information Systems	3	_____																																																																																																																																																																																																								
BUS 351 – Intro to Operations Management	3	_____																																																																																																																																																																																																								
BUS 361 – Principles of Marketing	3	_____																																																																																																																																																																																																								
BUS 371 – Management and Organizational Behavior	3	_____																																																																																																																																																																																																								
BUS 401 – Senior Business Experience (BUS 263, 305, 311, 321, 351, 361, 371 series)	3	_____																																																																																																																																																																																																								
*BEIT 336 – Business Report Writing (ENG 105, 107 or 108 and completion of 48 hours)	3	X																																																																																																																																																																																																								
BUS 220 – Dynamics of Professional Success (ENG 105, 107 or 108 and COMM 101 or 215)	1	_____																																																																																																																																																																																																								
BUS 263 - Legal Environment. & Bus (sophomore standing)	3	_____																																																																																																																																																																																																								
MIS 376 – Bus Comp Systems (BUS 170, 201) <b>or</b> equiv.	3	_____																																																																																																																																																																																																								
++ OMA 405 – Business Statistics III (BUS 305)	3	_____																																																																																																																																																																																																								
++ OMA 435 – Decision Modeling (BUS 305)	3	_____																																																																																																																																																																																																								
++ OMA 445 - Advanced Operations Management (BUS 351)	3	_____																																																																																																																																																																																																								
++ OMA 490 - Supply Chain Management (OMA 445)	3	_____																																																																																																																																																																																																								
++ Electives - Choice of 9 hours from OMA classes numbered 300 and above. Three hours from a closely related area may be chosen with consent of chairperson.	3	_____																																																																																																																																																																																																								
_____	3	_____																																																																																																																																																																																																								
_____	3	_____																																																																																																																																																																																																								
_____	3	_____																																																																																																																																																																																																								
*ECON 201	3	X																																																																																																																																																																																																								
_____	2	_____																																																																																																																																																																																																								
_____	3	_____																																																																																																																																																																																																								
_____	3	_____																																																																																																																																																																																																								
<p><b>At least 50 percent of the courses (62 hours) on a student’s degree program must be general in nature. Some foundation courses and all General Education courses will count in this category.</b></p> <p><b>To be eligible for graduation, business majors must meet the following minimum standards:</b></p> <ol style="list-style-type: none"> <li>1. Complete all required courses.</li> <li>2. Complete a minimum of <b>124</b> hours with a cumulative grade point average of at least 2.25.</li> <li>3. Complete the functional block and capstone courses with an average of 2.25 or higher.</li> <li>4. Complete the major requirements with an average of 2.25 or higher.</li> <li>5. <b>Complete at least 50 hours at the 300-400 level. Students must complete 2 hours of liberal studies and/or electives at the 300/400 level to meet this requirement.</b></li> </ol>	<p><b>*Course is listed in two places on this curriculum guide.</b></p>																																																																																																																																																																																																									

## OPERATIONS MANAGEMENT AND ANALYSIS

### Freshman Year

BUS 101	1	BUS 102 (BUS 101)	1
BUS 170	2	P E 101	2
COMM 101 <u>or</u> 215	3	ENG 105 <u>or</u> nonbusiness elective	3
MATH 111, 115, <u>or</u> calculus	3	Foreign Language (if required) <u>or</u> Liberal Studies	3
ENG 101 or ENG 107	3	Liberal Studies (science course)	3
Foreign Language (if required) <u>or</u> Liberal Studies	<u>3</u>	Science lab	1
	15	Liberal Studies	<u>3</u>
			16

### Sophomore Year

BUS 201	3	BUS 202 (BUS 201)	3
BUS 205 (MATH 111, 115, <u>or</u> calculus & BUS 170)	3	BUS 305 (BUS 205)	3
ECON 200	3	ECON 201	3
Liberal Studies	3	BUS 263	3
Liberal Studies	<u>3</u>	BUS 220 (ENG 105 <u>or</u> 107 <u>and</u> COMM 101 <u>or</u> 215)	1
	15	Liberal Studies	<u>3</u>
			16

### Junior Year

BEIT 320 or MIS 376	3	BEIT 336	3
BUS 351 (Block I)	3	BUS 361 (Block I)	3
BUS 321 (Block I)	3	BUS 371 (Block I)	3
OMA 405 (BUS 305)	3	OMA 435 (BUS 305)	3
Liberal Studies	<u>3</u>	OMA Elective	3
	15	Nonbusiness elective	<u>2</u>
			17

### Senior Year

BUS 311 (Block I)	3	BUS 401 (BUS 263,305,311,321,351,361,371)	3
OMA 445	3	OMA 490	3
OMA Elective	3	OMA Elective	3
Liberal Studies	3	General elective	3
Liberal Studies	<u>3</u>	Nonbusiness elective	<u>3</u>
	15		15

(Parenthesis indicate prerequisite courses)

**Students must complete all required courses with a minimum of 124 hours.**

**Students must complete at least 50 hours at the 300/400 level. Students must complete 2 hours of liberal studies and/or electives at the 300/400 level to meet this requirement.**

Revised August 12, 2005