

# GENERAL BUSINESS (BBA) CONCENTRATION IN INDUSTRIAL ENGINEERING

Degree: Bachelor of Business Administration

Major: Industrial Engineering

Total Hours: 120

Code	Title	Hours
<b>General Education Core Curriculum</b>		
<i>Communication</i>		
ENGL 1301	Composition I	3
COMM 1321	Business and Professional Speech	3
<i>Mathematics</i>		
MATH 1324	Mathematics for Business and Social Sciences	3
<i>Life and Physical Sciences</i>		
Select two of the following:		6
BIOL 1308	General Biology (Non-Science Majors)	
BIOL 1315	Plants and Human Society (Non-Majors)	
BIOL 2306	Environmental Science	
CHEM 1306	Chemistry for Allied Health Sciences	
CHEM 1308	Biochemistry for Allied Health Sciences	
CHEM 1311	General Chemistry I	
CHEM 1312	General Chemistry II	
GEOL 1390	Introductory Environmental & Physical Geology	
PHYS 1305	Elementary Physics I Lecture	
PHYS 1307	Elementary Physics II Lecture	
PHYS 1311	Introduction to Astronomy Lecture	
SPSC 1301	Space Exploration	
<i>Language, Philosophy and Culture</i>		
ENGL 2300	Close Reading II (Ethics and Literature)	3
or PHIL 2306	Ethics	
<i>Creative Arts</i>		
Select one of the following:		3
ARTS 1301	Art Appreciation	
ARTS 1303	Art History I	
COMM 1375	Film Appreciation	
COSC 1324	The Art of Computer Game Development	
DANC 2304	Dance Appreciation	
MUSI 1306	Music Appreciation	
MUSI 1309	Jazz History and Appreciation	
MUSI 1310	History of Rock and Roll	
PHIL 1330	Arts and Ideas	
THEA 1310	Theatre Appreciation	
<i>American History</i>		
Select two of the following:		6
HIST 1301	U S History I 1763-1877	
HIST 1302	U S History II Since 1877	
HIST 2301	Texas History	
<i>Government/Political Science</i>		

POLS 2301	Intro to American Government I	3
POLS 2302	Intro/American Government II	3
<i>Social and Behavioral Sciences</i>		
ECON 2301	Principles of Economics I Macro <sup>1</sup>	3
or ECON 2302	Principles of Economics II Micro	
<i>Component Area Option</i>		
ENGL 1302	Composition II	3
BUAL 2305	Business Statistics <sup>2</sup>	3
<b>Required Major Courses</b>		
<i>College of Business Core</i>		
ACCT 2301	Introduction to Financial Accounting	3
ACCT 2302	Introduction to Managerial Accounting	3
BULW 1370	Business Environment and Public Policy	3
BULW 3310	Business Law	3
FINC 3310	Principles of Finance	3
MGMT 3300	Introduction to Critical Thinking and Business Decision Making	3
MGMT 3310	Principles of Organizational Behavior and Management	3
MGMT 3320	Production Management	3
MGMT 4370	Strategic Analysis	3
MISY 1373	Introduction to Business Technologies	3
MISY 3310	Principles of MIS	3
MKTG 3310	Principles of Marketing	3
ECON 2301	Principles of Economics I Macro <sup>2</sup>	3
or ECON 2302	Principles of Economics II Micro	
<i>Major Specialization</i>		
INEN 3300	Industrial Engineering-Intro	3
INEN 3380	Work Design	3
INEN 4301	Quality Control Applications	3
INEN 3330	Engineering Economy	3
or INEN 3322	Engineering Materials and Manufacturing Processes	
INEN 4316	Industrial and Product Safety	3
or INEN 4369	Engineering Management	
Select one of the following:		3
INEN 4354	Lean Manufacturing	
INEN 4357	Supply Chain Management	
INEN 4363	Six Sigma	
INEN 4376	Occupational Ergonomics	
<b>Elective Courses</b>		
International or Cultural Component		3
Select one of the following:		
BULW 3350	International Business Law	
ECON 3350	International Trade	
FINC 3370	International Finance	
MGMT 3350	International Business	
MKTG 4330	International Marketing	
Any course taken on a Lamar-sponsored study abroad program		
Any course transferred from an institution with a study-abroad agreement with Lamar		
Two College of Business 3000-4000 Courses <sup>3</sup>		6

2 General Business (BBA) Concentration in Industrial Engineering

Four free electives <sup>3</sup>	12
<b>Total Hours</b>	<b>120</b>

- <sup>1</sup> One of these courses will be used to satisfy the Social and Behavioral Sciences requirement for the General Education Core. Since it is also required for the College of Business Core, it will be factored into the College of Business GPA.
- <sup>2</sup> BUAL 2305 Business Statistics will be used to satisfy one of the Component Area Options in the General Education Core. Since it is also required for the College of Business Core, it will be factored into the College of Business GPA.
- <sup>3</sup> Consult with advisor for elective options.

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
ENGL 1301	Composition I	3
BULW 1370 or MISY 1373	Business Environment and Public Policy or Introduction to Business Technologies	3
MATH 1324	Mathematics for Business and Social Sciences	3
COMM 1321	Business and Professional Speech	3
Creative Art Core		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
ENGL 1302	Composition II	3
MISY 1373 or BULW 1370	Introduction to Business Technologies or Business Environment and Public Policy	3
HIST 1301	U S History I 1763-1877	3
POLS 2301	Intro to American Government I	3
Life/Physical Science Core		3
<b>Hours</b>		<b>15</b>
<b>Second Year</b>		
<b>Fall</b>		
ACCT 2301	Introduction to Financial Accounting	3
ECON 2301	Principles of Economics I Macro	3
POLS 2302	Intro/American Government II	3
HIST 1302	U S History II Since 1877	3
Life/Physical Science Core		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
ACCT 2302	Introduction to Managerial Accounting	3
ENGL 2300 or PHIL 2306	Close Reading II or Ethics	3
ECON 2302	Principles of Economics II Micro	3
MGMT 3300	Introduction to Critical Thinking and Business Decision Making	3
BUAL 2305	Business Statistics	3
<b>Hours</b>		<b>15</b>
<b>Third Year</b>		
<b>Fall</b>		
MGMT 3310	Principles of Organizational Behavior and Management	3
FINC 3310	Principles of Finance	3
MKTG 3310	Principles of Marketing	3
INEN 3300	Industrial Engineering-Intro	3
BULW 3310	Business Law	3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MGMT 3320	Production Management	3
MISY 3310	Principles of MIS	3
INEN 3323 or INEN 3322	Fundamentals of Manufacturing Processes <sup>1</sup> or Engineering Materials and Manufacturing Processes	3

INEN 3380	Work Design	3
Free Elective		3
<b>Hours</b>		<b>15</b>
<b>Fourth Year</b>		
<b>Fall</b>		
INEN 4316 or INEN 4369	Industrial and Product Safety or Engineering Management	3
3000-4000 Business Elective		6
Free Elective		6
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
MGMT 4370	Strategic Analysis	3
INEN 4301	Quality Control Applications	3
INEN 4376	Occupational Ergonomics <sup>2</sup>	3
Free Elective		3
International Component		3
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>

<sup>1</sup> Prefer INEN 3323 Fundamentals of Manufacturing Processes which is taught in summer.

<sup>2</sup> Substitutions for these courses may be required due to their availability. See Director.