

# INDUSTRIAL ENGINEERING Curriculum

## Fall 2008

STUDENT NAME: \_\_\_\_\_

STUDENT ID #: \_\_\_\_\_

FIRST YEAR			
FALL			
ENGR 100	*Intro to Engr	2	
ENGR 101	*Engr Analysis I	4	
ENGL 101	*College Writing I	3	
ENGR 150	*Engr Graphic Fund	2	
CHEM 201	*Gen Chem I	3	
CHEM 207	*Intro Chem Anal I	1	
Total 15 Hours			

SECOND YEAR			
FALL			
ENGR 205	Diff Equations	2	
COMM 112	Bus & Professional Spk	3	
IE 240	Fund of IE ( <i>Fall Only</i> )	3	
IE 288	Co-op Seminar	0	
IE 380	Work Design	3	
Gen Ed Elective		3	
Gen Ed Elective		3	
Total 17 Hours			

SPRING			
ENGR 102	*Engr Analysis II	4	
ENGL 102	*College Writing II	3	
CHEM 202	*Gen Chem II	3	
PHYS 298	*Physics I	4	
PHYS 295	*Physics I Lab	1	
CECS 121	*Programming in C	1	
Total 16 Hours			

SPRING			
IE 289	Co-op I	2	
Total 2 Hours			

SUMMER			
ENGR 201	Engr Analysis III	4	
PHYS 299	Physics II	4	
PHYS 296	Physics II Lab	1	
IE 360	Prob & Statistics	3	
Total 12 Hours			

SUMMER			
ENGR 330	Linear Algebra for Engr	2	
CHE 253	Materials Science	3	
CEE 205	Mechanics I: Statics	3	
IE 370	Engineering Economic Anaylsis	3	
Total 11 Hours			

\* 31 hr core with 2.00 GPA must be completed for admission into department

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THIRD YEAR			
FALL			
IE 389	Co-op II	2	
			Total 2 Hours

THIRD YEAR			
SPRING			
ME 251	Thermodynamics	3	
IE 320	Mfg Processes	4	
IE 425	Prod & Inv Control	3	
IE 430	Quality Control	3	
ECE 252	Intro to EE	3	
			Total 16 Hours

THIRD YEAR			
SUMMER			
IE 489	Co-op III	2	
			Total 2 Hours

FOURTH YEAR			
FALL			
IE 415	Operations Research	3	
IE 421	Facility & Loc Layout	3	
IE 480	Human Factors in Engineering	3	
IE 541	Simulation	3	
IE Elective		3	
			Total 15 Hours

FOURTH YEAR			
SPRING			
IE 499	Capstone Design	3	
IE 525	Project Management	3	
HIST	101 or 102	3	
IE Elective		3	
Gen Ed Elective		3	
			Total 15 Hours

FOURTH YEAR			
SUMMER			
IE 563	Exper Design	3	
Gen Ed Elective		3	
Gen Ed Elective		3	
			Total 9 Hours

ADDITIONAL COURSES			

REPEAT OPTIONS USED (No more than four courses)			

General Information			
<a href="http://www.speed.louisville.edu">www.speed.louisville.edu</a> <a href="http://www.louisville.edu">www.louisville.edu</a>			
Industrial Engineering (502) 852-6342 <a href="http://louisville.edu/speed/industrial/">http://louisville.edu/speed/industrial/</a>			

Minimum requirements for BS in Industrial Engineering: 132 Semester Credit Hours