

# INDUSTRIAL ENGINEERING Curriculum

## Fall 2009

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

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

<b>FIRST YEAR</b>			
<b>FALL</b>			
ENGR 100	*Intro to Engr ( <i>Fall Only</i> )	2	
ENGR 101	*Engr Analysis I ( <i>Fall &amp; Spring Only</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			

<b>SECOND YEAR</b>			
<b>FALL</b>			
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 ( <i>Fall Only</i> )	3	
Gen Ed Elective		3	
Gen Ed Elective		3	
Total 17 Hours			

<b>SPRING</b>			
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			

<b>SPRING</b>			
IE 289	Co-op I	2	
Total 2 Hours			

<b>SUMMER</b>			
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			

<b>SUMMER</b>			
ENGR 330	Linear Algebra for Engr	2	
CHE 253	Materials Science	3	
CEE 205	Mechanics I: Statics	3	
IE 370	Engineering Economic Analysis	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			

FOURTH YEAR			
FALL			
IE 515	Operations Research	3	
IE 421	Facility & Loc Layout	3	
IE 580	Ergonomics	3	
IE 541	Simulation	3	
IE Elective		3	
Total 15 Hours			

ADDITIONAL COURSES

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			

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			

REPEAT OPTIONS USED (No more than four courses)

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

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

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