

# MECHANICAL 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</i> )	4	
ENGL 101	*College Writing I	3	
ENGR 150	*Engr Graphics Fund	2	
CHEM 201	*Gen Chem I	3	
CHEM 207	*Intro Chem Anal I	1	
COMM 111	Speech Comm	3	
or 112	Bus & Professional Spk		
Total 18 Hours			

<b>SECOND YEAR</b>			
<b>FALL</b>			
ENGR 205	Diff Equations	2	
CHE 253	Material Science	3	
ME 206	Dynamics	3	
ME 251	Thermodynamics	3	
ME 280	S & E Programming ( <i>Fall &amp; Spring</i> )	3	
ME 288	Co-op Seminar	0	
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	
ME 180	*Intro to CAE ( <i>Fall &amp; Spring</i> )	2	
Total 17 Hours			

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

<b>SUMMER</b>			
ENGR 201	Engr Analysis III	4	
PHYS 299	Physics II	4	
CEE 205	Statics	3	
Total 11 Hours			

<b>SUMMER</b>			
ENGR 307	Numerical Meth	2	
ME 310	Thermodynamics II ( <i>Fall &amp; Summer</i> )	3	
ME 323	Mech of Materials	3	
Gen Ed Elective		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			
ME 389	Co-op II	2	
Total 2 Hours			

SPRING			
ECE 252	Intro Elec Engr	3	
ME 311	Fluid Mech I ( <i>Fall &amp; Spring</i> )	3	
ME 380	Mech Engr Cad ( <i>Fall &amp; Spring</i> )	3	
Gen Ed Elective		3	
ME 5XX Elective		3	
Total 15 Hours			

SUMMER			
ME 489	Co-op III	2	
Total 2 Hours			

FOURTH YEAR			
FALL			
ME 314	Engr Measurements ( <i>Fall &amp; Spring</i> )	3	
ME 315	ME I Lab ( <i>Fall &amp; Spring</i> )	1	
ME 401	Fluid Mech II ( <i>Fall &amp; Spring</i> )	3	
ME 422	Machine Design	3	
Gen Ed Elective		3	
ME 5XX Elective		3	
Total 16 Hours			

SPRING			
ME 415	ME II Lab ( <i>Fall &amp; Spring</i> )	1	
ME 440	Heat Transfer ( <i>Fall &amp; Spring</i> )	3	
ME 442	Mach Design II ( <i>Fall &amp; Spring</i> )	3	
ME 497	SR Capstone Design ( <i>Fall &amp; Spring</i> )	3	
ME 548	Ctrl Sys Design ( <i>Spring &amp; Summer</i> )	3	
Gen Ed Elective		3	
Total 16 Hours			

SUMMER			
IE 360	Prob & Statistics	3	
IE 370	Engineering Economics Analysis	3	
Total 6 Hours			

ADDITIONAL COURSES

REPEAT OPTIONS USED (No more than four courses)

Contact Information
<a href="http://www.louisville.edu/speed">www.louisville.edu/speed</a>
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Minimum requirements for BS in Mechanical Engineering:

133 Semester Credit Hours