

# MECHANICAL ENGINEERING (BS)

## Suggested Sequence of Courses for a Bachelor of Science Degree in Mechanical Engineering

Course	Title	Hours
<b>Freshman Year</b>		
<b>First Semester</b>		
ENGR-1200	Introduction to Engineering	2
PHYS-2100	Classical Physics I	3
PHYS-2101	Classical Physics I Lab	1
CHEM-1200	General Chemistry I Lecture	3
CHEM-1201	General Chemistry I Laboratory	1
MATH-1300	Calculus I	4
GNST-1000	BC Experience	1
EXSC Fitness Course		1
<b>Hours</b>		<b>16</b>
<b>Second Semester</b>		
ENGR-1500	Technical Drawing	2
ENGR-1520	Intro to Engineering Design Laboratory	1
PHYS-2110	Classical Physics II	3
PHYS-2111	Classical Physics II Lab	1
MATH-1350	Calculus II	4
ENGL-1010	English Composition	3
THEO-1100	Introduction to Theology	3
<b>Hours</b>		<b>17</b>
<b>Sophomore Year</b>		
<b>First Semester</b>		
ENGR-2000	Computer Applications in Engineering	2
ENGR-2300	Statics	3
ENGR-3500	Materials Science	3
MATH-2300	Calculus III	4
PHIL-1750	Principles of Nature	3
EXSC-1115	Wellness for Life	1
<b>Hours</b>		<b>16</b>
<b>Second Semester</b>		
ENGR-2310	Dynamics	3
ENGR-2320	Mechanics of Materials	3
MATH-3100	Differential Equations	3
ENGR-3250	Thermodynamics	3
MENG-3180	Manufacturing Process Lab I	1
THEO-2000	Christian Moral Life	3
<b>Hours</b>		<b>16</b>
<b>Junior Year</b>		
<b>First Semester</b>		
MENG-3220	Design of Machinery	3
ENGR-3150	Statistical Analysis of Data	3
ENGR-3300	Fluid Mechanics	3
ENGR-3400	Materials Laboratory	2

ENGR-3170	Engineering Economy & Society	3
PHIL-3250	Ethics	3
<b>Hours</b>		<b>17</b>
<b>Second Semester</b>		
MENG-3240	Junior Design	2
MENG-4240	System Dynamics & Control	3
ENGR-3600	Heat & Mass Transfer	3
ENGR-3410	Thermofluids Laboratory	2
ME Elective		3
EENG-2060	Linear Circuit Analysis I	3
EENG-3060	Circuits Laboratory I	1
<b>Hours</b>		<b>17</b>
<b>Senior Year</b>		
<b>First Semester</b>		
MENG-4600	Engineering Design I	3
ME Elective		3
MENG-4730	Mechanical Measurements & Control Lab	2
MENG-4700	Senior Seminar	1
Foreign Language		4
Historical Inquiry		3
<b>Hours</b>		<b>16</b>
<b>Second Semester</b>		
MENG-4610	Mechanical Engineering Design II	3
ME Elective		3
ME Elective		3
Aesthetic Experience		3
Foreign Language		4
<b>Hours</b>		<b>16</b>
<b>Ninth Semester</b>		
ME Elective		3
MENG-COMP	Senior Comprehensive Exam	NULL
Aesthetic Foundation		3
Philosophical Inquiry Foundation		3
Historical Foundation		3
Faith Foundation		3
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>146</b>