

# Engineering - Mechanical Engineering

Milligan College

Catalog Year  
2016-17

This document is designed as a guide for students planning their course selection and is only a suggested schedule. Actual course selections should be made with the advice and consent of the academic advisor. While accurately portraying the information contained in the College Catalog, this form is not considered a legal substitute for that document. Students should become familiar with the Catalog in effect at the time in which they enter Milligan.

FALL SEMESTER 1		
COURSE	TITLE	CREDITS
PHYS 203	General Physics I	4
MATH 211	Calculus I	4
CHEM 170	General Chemistry I	4
FENG 101	Eng. from a Christian Worldview	1
MLGN 100	Intro to College & Service	0.5
BIBL 123	Old Testament Survey	3
	<b>TOTAL CREDITS</b>	<b>16.5</b>

SPRING SEMESTER 1		
COURSE	TITLE	CREDITS
PHYS 204	General Physics II	4
MATH 212	Calculus II	4
FENG 102	Engineering Fundamentals	3
COMP 111	Rhetorical Composition	3
BIBL 124	New Testament Survey	3
	<b>TOTAL CREDITS</b>	<b>17</b>

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
MATH 303	Multivariable Calculus	4
FENG 201	Statics	3
EENG 201	Applied Elect Theory I	3
COMP 211	Analytical Composition	3
HUMN 101	Ancient & Medieval Cultures	4
	<b>TOTAL CREDITS</b>	<b>17</b>

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
MATH 309	Differential Equations	3
MATH 307	Linear Algebra	3
FENG 202	Dynamics	3
MENG 211	Mechanics of Materials	3
MLGN 200	Intro to Calling & Career	0.5
HUMN 102	Renaissance & Early Mod Cul	4
	<b>TOTAL CREDITS</b>	<b>16.5</b>

FALL SEMESTER 3		
COURSE	TITLE	CREDITS
FENG 301	Applied Math & Prog for Eng	3
MENG 331	Machine Design	3
MENG 361	Fluid Mechanics	3
MENG 371	Thermodynamics I	3
HUMN 201	18th & 19th Centuries Cult	4
	<b>TOTAL CREDITS</b>	<b>16</b>

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
MENG 311	Materials and Design	3
MENG 332	Vibrations and Dynamic Sys	3
MENG 351	Heat Transfer	3
MENG 372	Thermodynamics II	3
HPXS 101	Fitness for Life	1
HUMN 202	Cultures of the 20th/21st Cent	4
	<b>TOTAL CREDITS</b>	<b>17</b>

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
MENG 421	Systems and Controls	3
MENG 471	Applied Thermal-Fluid Sciences	4
MENG 481	Mechanical Design Project I	3
COMM 102	Speech Communication	3
	Social learning course GER	3
	<b>TOTAL CREDITS</b>	<b>16</b>

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
MENG 411	Manufacturing Processes	3
MENG 431	Applied Machine Design	4
MENG 482	Mechanical Design Project II	3
BIBL 471	Christ and Culture	3
	Ethnic studies GER	3
	<b>TOTAL CREDITS</b>	<b>16</b>
<b>MINIMUM 128 NEEDED FOR GRAD</b>		<b>132</b>

GER = General Education Requirements