

Mechanical Engineering

Milligan College

Catalog Year
2017-18

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-Calculus 1	4
MATH 211	Calculus 1	4
CHEM 170	General Chemistry	4
FENG 101	Introduction to Engineering	1
MLGN 100	Intro to College & Service	0.5
BIBL 123	Old Testament Survey	3
TOTAL CREDITS		16.5

SPRING SEMESTER 1		
COURSE	TITLE	CREDITS
PHYS 204	General Physics-Calculus 2	4
MATH 212	Calculus 2	4
FENG 102	Engineering Fundamentals	3
BIBL 124	New Testament Survey	3
COMP 111	Rhetorical Composition	3
TOTAL CREDITS		17

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
MATH 303	Multivariable Calculus	4
MENG 201	Statics	3
EENG 201	Applied Electrical Theory 1	3
HUMN 101	Ancient & Medieval Cultures	4
COMP 211	Inquiring Minds	3
TOTAL CREDITS		17

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

FALL SEMESTER 3		
COURSE	TITLE	CREDITS
FENG 301	Applied Math & Programming for Eng	3
MENG 371	Thermodynamics 1	3
MENG 361	Fluid Mechanics	3
MENG 331	Machine Design	3
HUMN 201	18 & 19 Century Cultures	4
TOTAL CREDITS		16

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
MENG 372	Thermodynamics 2	3
MENG 311	Materials and Design	3
MENG 421 & EENG 461	Systems and Controls	3
MENG 351	Heat Transfer	3
EXSC 101	Fitness for Life	1
HUMN 202	Cultures of the 20 & 21 Centuries	4
TOTAL CREDITS		17

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
MENG 471	Applied Thermal-Fluid Sciences	4
MENG 481	Mechanical Design Project 1	3
MENG 431	Vibrations and Dynamic Systems	3
GER	Social Learning	3
COMM 102	Speech Communication	3
TOTAL CREDITS		16

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
MENG 431	Applied Machine Design	4
MENG 411	Manufacturing Processes	3
MENG 482	Mechanical Design Project 2	3
BIBL 471	Christ and Culture	3
GER	Ethnic Studies	3
TOTAL CREDITS		16
MINIMUM 128 NEEDED FOR GRAD		132

GER = General Education Requirements