

Bachelor of Science in Mechanical Engineering

Milligan University

Catalog Year
2023-2024

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 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
HUMN 101	Ancient & Medieval Cultures	4.0
MATH 211	Calculus 1	4.0
CHEM 170	General Chemistry	4.0
FENG 101	Introduction to Engineering	1.0
MLGN 100	Intro to College & Service	0.5
BIBL 123	Old Testament Survey	3.0
	TOTAL CREDITS	16.5

SPRING SEMESTER 1		
COURSE	TITLE	CREDITS
HUMN 102	Renaissance & Early Modern Cultu	4.0
MATH 212	Calculus 2	4.0
FENG 102	Engineering Fundamentals	3.0
BIBL 124	New Testament Survey	3.0
COMP 111	Rhetorical Composition	3.0
	TOTAL CREDITS	17.0

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
MATH 303	Multivariable Calculus	4.0
MENG 201	Statics	3.0
EENG 201	Applied Electrical Theory 1	3.0
PHYS 203	General Physics-Calculus 1	4.0
COMP 211	Inquiring Minds	3.0
	TOTAL CREDITS	17.0

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
MATH 309	Differential Equations	3.0
MATH 307	Linear Algebra	3.0
MENG 202	Dynamics	3.0
MENG 211	Mechanics of Materials	3.0
PHYS 204	General Physics-Calculus 2	4.0
MLGN 200	Intro to Calling & Career	0.5
	TOTAL CREDITS	16.5

FALL SEMESTER 3		
COURSE	TITLE	CREDITS
FENG 301	Applied Math&Programming for Engr	3.0
MENG 371	Thermodynamics 1	3.0
MENG 361	Fluid Mechanics	3.0
MENG 331	Machine Design	3.0
HUMN 201	18 & 19 Century Cultures	4.0
	TOTAL CREDITS	16.0

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
MENG 372	Thermodynamics 2	3.0
MENG 311	Materials and Design	3.0
MENG 421 & EENG 461	Systems and Controls	3.0
MENG 351	Heat Transfer	3.0
EXSC 101	Fitness for Life	1.0
HUMN 202	Cultures of the 20 & 21 Centuries	4.0
	TOTAL CREDITS	17.0

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
MENG 471	Applied Thermal-Fluid Sciences	4.0
MENG 481	Mechanical Design Project 1	3.0
MENG 411	Manufacturing Processes	3.0
GER	Social Learning (SOCL/POLS-240)	3.0
COMM 102 (COMM 180)	Speech Communication	3.0
	TOTAL CREDITS	16.0

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
MENG 432	Applied Machine Design	4.0
MENG 431	Vibrations and Dynamic Systems	3.0
MENG 482	Mechanical Design Project 2	3.0
BIBL 471	Christ and Culture	3.0
GER	Ethnic Studies	3.0
	TOTAL CREDITS	16.0
MINIMUM 128 NEEDED FOR GRAD		132.0