

Bachelor of Science in Mechanical Engineering

Milligan University

Catalog Year
2024-2025

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
FENG 101	Introduction to Engineering (fulfills MLGN	1.0
CHEM 170	General Chemistry	4.0
MATH 211	Calculus 1	4.0
BIBL 123	Old Testament Survey	3.0
HUMN 101	Ancient & Medieval Cultures	4.0
	TOTAL CREDITS	16.0

SPRING SEMESTER 1		
COURSE	TITLE	CREDITS
FENG 102	Engineering Fundamentals	3.0
FENG 221	Computer Programming	3.0
MATH 212	Calculus 2	4.0
COMP 111	Rhetorical Composition	3.0
HUMN 102	Renaissance & Early Modern Culture	4.0
	TOTAL CREDITS	17.0

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

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
MENG 202	Dynamics	3.0
MENG 211	Mechanics of Materials	3.0
MATH 307	Linear Algebra	3.0
MATH 309	Differential Equations	3.0
PHYS 204	General Physics-Calculus 2	4.0
	TOTAL CREDITS	16.0

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

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
MENG 311	Materials and Design	3.0
MENG 351	Heat Transfer	3.0
MENG 372	Thermodynamics 2	3.0
MENG 421	Systems and Controls	3.0
BIBL 124	New Testament Survey	3.0
EXSC 101	Fitness for Life	1.0
	TOTAL CREDITS	16.0

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
MENG 401	FE Exam Preparation	1.0
MENG 431	Vibrations and Dynamic Systems	3.0
MENG 471	Applied Thermal-Fluid Sciences	4.0
MENG 481	Mechanical Design Project 1	3.0
TECH ELEC	Mech Engr Technical Elective	3.0
BIBL 471	Christ and Culture	3.0
	TOTAL CREDITS	17.0

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
MENG 411	Manufacturing Processes	3.0
MENG 432	Applied Machine Design	4.0
MENG 482	Mechanical Design Project 2	3.0
TECH ELEC	Mech Engr Technical Elective	3.0
HUMN 202	Cultures of the 20 & 21 Centuries	4.0
	TOTAL CREDITS	17.0

MINIMUM 128 NEEDED FOR GRAD 132.0