

Bachelor of Science in Electrical 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 Cultures	4.0
	TOTAL CREDITS	17.0

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
EENG 201	Applied Electrical Theory 1	3.0
TECH ELEC	Elec Engr Technical Elective	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
EENG 202	Introduction to Digital Systems	3.0
MATH 307	Linear Algebra	3.0
MATH 309	Differential Equations	3.0
PHYS 204	General Physics-Calculus 2	4.0
BIBL 124	New Testament Survey	3.0
	TOTAL CREDITS	16.0

FALL SEMESTER 3		
COURSE	TITLE	CREDITS
EENG 301	Applied Electrical Theory 2	3.0
EENG 321	Computer Organization	3.0
EENG 361	Microcontroller Applications	3.0
FENG 301	Applied Math & Programming for Engr	3.0
HUMN 201	18 & 19 Century Cultures	4.0
	TOTAL CREDITS	16.0

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
EENG 331	Analog Devices	3.0
EENG 371	Power Systems	3.0
EENG 451	Electromagnetics	3.0
EENG 461	Systems and Controls	3.0
HUMN 202	Cultures of the 20 & 21 Centuries	4.0
	TOTAL CREDITS	16.0

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
EENG 401	FE Exam Preparation	1.0
EENG 471	Applied Power and Controls	4.0
EENG 481	Electrical Design Project 1	3.0
TECH ELEC	Elec Engr Technical Elective	3.0
TECH ELEC	Elec Engr Technical Elective	3.0
EXSC 101	Fitness for Life	1.0
	TOTAL CREDITS	15.0

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
EENG 411	Signals and Systems	3.0
EENG 431	Applied Electronics	4.0
EENG 482	Electrical Design Project 2	3.0
TECH ELEC	Elec Engr Technical Elective	3.0
BIBL 471	Christ and Culture	3.0
	TOTAL CREDITS	16.0

MINIMUM 128 NEEDED FOR GRAD 129.0