

Bachelor of Science in Electrical Engineering

Milligan University

Catalog Year
2025-2026

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	1.0
MATH 211	Calculus 1	4.0
CHEM 170	General Chemistry	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
BIBL 124	New Testament Survey	3.0
HUMN 102	Renaissance & Early Modern Cultures	4.0
	TOTAL CREDITS	17.0

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
TECH ELEC	Elec Engr Technical Elective	3.0
EENG 201	Applied Electrical Theory 1	3.0
MATH 303	Multivariable Calculus	4.0
PHYS 203	General Physics-Calculus 1	4.0
COMP 212	English Composition	4.0
	TOTAL CREDITS	18.0

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
EENG 202	Introduction to Digital Systems	3.0
MATH 309	Differential Equations	3.0
MATH 307	Linear Algebra	3.0
PHYS 204	General Physics-Calculus 2	4.0
EXSC 101	Fitness for Life	1.0
	TOTAL CREDITS	14.0

FALL SEMESTER 3		
COURSE	TITLE	CREDITS
FENG 301	Applied Math & Programming for Engr	3.0
EENG 301	Applied Electrical Theory 2	4.0
EENG 321	Computer Organization	3.0
EENG 361	Microcontroller Applications	3.0
HUMN 201	18 & 19 Century Cultures	4.0
	TOTAL CREDITS	17.0

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 400	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
	TOTAL CREDITS	14.0

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		128.0