

Bachelor of Science in Electrical 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
TECH ELEC	Breadth Technical Elective	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
EENG 202	Introduction to Digital Systems	3.0
EENG 221	Computer Programming	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
EENG 362	Microprocessor Applications	3.0
EENG 321	Computer Engineering 1	3.0
EENG 301	Applied Electrical Theory 2	3.0
HUMN 201	18 & 19 Century Cultures	4.0
	TOTAL CREDITS	16.0

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
EENG 371	Power Systems	3.0
EENG 312	Signals and Systems	3.0
EENG 363	Analog Devices	3.0
EENG 461 & MENG 421	Systems and Controls	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
EENG 440	Renewable Energy Systems	3.0
EENG 481	Electrical Design Project 1	3.0
EENG 471	Applied Power and Controls	4.0
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
EENG 431	Applied Electronics	4.0
EENG 401	Electromagnetics	3.0
EENG 482	Electrical 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