

Electrical Engineering

Milligan College

Catalog Year
2017-2018

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 College 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
PHYS 203	General Physics-Calculus 1	4
MATH 211	Calculus 1	4
CHEM 170	General Chemistry	4
FENG 101	Introduction to Engineering	1
MLGN 100	Intro to College & Service	0.5
BIBL 123	Old Testament Survey	3
	TOTAL CREDITS	16.5

SPRING SEMESTER 1		
COURSE	TITLE	CREDITS
PHYS 204	General Physics-Calculus 2	4
MATH 212	Calculus 2	4
FENG 102	Engineering Fundamentals	3
BIBL 124	New Testament Survey	3
COMP 111	Rhetorical Composition	3
	TOTAL CREDITS	17

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
MATH 303	Multivariable Calculus	4
MENG, CS, CIS, EE	Tech or Social Elective	3
EENG 201	Applied Electrical Theory 1	3
HUMN 101	Ancient & Medieval Cultures	4
COMP 211	Inquiring Minds	3
	TOTAL CREDITS	17

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
MATH 309	Differential Equations	3
MATH 307	Linear Algebra	3
EENG 202	Introduction to Digital Systems	3
EENG 221	Computer Programming	3
HUMN 102	Renaissance & Early Modern Cultures	4
MLGN 200	Intro to Calling & Career	0.5
	TOTAL CREDITS	16.5

FALL SEMESTER 3		
COURSE	TITLE	CREDITS
FENG 301	Applied Math & Programming for Eng	3
EENG 362	Microprocessor Applications	3
EENG 321	Computer Engineering 1	3
EENG 301	Applied Electrical Theory 2	3
HUMN 201	18 & 19 Century Cultures	4
	TOTAL CREDITS	16

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
EENG 371	Power Systems	3
EENG 311	Communications Systems	3
EENG 371	Power Systems	3
EENG 461 & MENG 421	Systems and Controls	3
EXSC 101	Fitness for Life	1
HUMN 202	Cultures of the 20 & 21 Centuries	4
	TOTAL CREDITS	17

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
EENG 322	Computer Engineering 2	3
EENG 481	Electrical Design Project 1	3
EENG 431	Applied Electronics	4
MENG, CS, CIS, EE	Tech or Social Elective	3
COMM 102	Speech Communication	3
	TOTAL CREDITS	16

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
EENG 471	Applied Power and Controls	4
EENG 401	Electromagnetics	3
EENG 482	Electrical Design Project 2	3
BIBL 471	Christ and Culture	3
GER	Ethnic Studies	3
	TOTAL CREDITS	16
MINIMUM 128 NEEDED FOR GRAD		132

GER = General Education Requirements