



OHIO
UNIVERSITY

Russ College of Engineering and Technology

The scheduling scenario below is intended to present an example pattern by which this major can be completed in three years. Those interested in pursuing this option need to work with an academic advisor to develop a specific plan to earn the 128 credit hours required for graduation.

BS72543: Electrical Engineering

Semester 1: Fall

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
EE 1014 - Introduction to Electrical Engineering	4		
MATH 2301 - Calculus I	4		C
CHEM 1510 - Fundamentals of Chemistry I	4		
FRESH COMPOSITION	3		
PROGRAM ELECTIVE #1	4		
ET 1500 - Engineering and Technology: Career Orientation	0.5		
Total hours for semester	19.5		

Semester 2: Spring

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
EE 1024 - Introduction to Computer Engineering	4		
MATH 2302 - Calculus II	4		C
PHYS 2051 - General Physics	5		
EE 2104 - Circuits I	4		C
EE 2213 - Instrumentation Laboratory	3		
Total hours for semester	20		

Semester 3: Summer

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
ET 2200 - Statics	4		
Tier II: Social Science	2-3		
SCIENCE ELECTIVE	3-5		
EE 3713 - Applied Probability and Statistics for Electrical Engineers	3	Yes	
Total hours for semester	12-15		

Semester 4: Fall

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
EE 2114 - Circuits II	4		
MATH 3300 - Calculus III	3	Yes	
EE 2324 - Analytical Foundations of Electrical Engineering	4		
EE 3954 - Microprocessors and Microcontrollers	4	Yes	
CS 2400 - Introduction to Computer Science I	4		
Total hours for semester	19		

Semester 5: Spring

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
JUNIOR COMP	3	Yes	
EE 3214 - Electromagnetics and Materials I	4	Yes	
EE 3513 - Digital Signals and Systems	3	Yes	
EE 3343 - Electronics I	3	Yes	
EE 3334 - Linear Signals and Systems	4	Yes	
Total hours for semester	17		

Semester 6: Summer

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
RESERVED FOR CO-OP/INTERN	1		
Total hours for semester	1		

Semester 7: Fall

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
EE 4953 - Electrical and Computer Engineering Capstone Design I	3	Yes	
EE 3963 - Electric Machines	3	Yes	
SENIOR ELECTIVE #1	3	Yes	
TECH ELECTIVE #1	3	Yes	
Tier II: Humanities and Literature	2-3	Yes	
Total hours for semester	14-15		

Semester 8: Spring

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
EE 4963 - Electrical and Computer Engineering Capstone Design II	3	Yes	
EE 3223 - Electromagnetics and Materials II	3	Yes	
EE 3973 - Electronics II	3	Yes	
SENIOR ELECTIVE #2	3	Yes	
TECH ELECTIVE #2	3	Yes	
Total hours for semester	15		

Semester 9: Summer

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
ENGINEERING ELECTIVE	3	Yes	
ET 3300 - Engineering Economy	2	Yes	
Tier II: Cross Cultural Perspectives	2-3		
Tier II: Humanities and Literature	2-3		
Total hours for semester	9-11		