



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.

BS7254: Electrical Engineering with Computer Engineering Track

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		
CS 2400 - Introduction to Computer Science I	4		C
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		
CS 2401: Introduction to Computer Science II	4		
EE 2104 - Circuits I	4		C
EE 2213 - Instrumentation Laboratory	3		
Total hours for semester	19		

Semester 3: Summer

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
Tier II: Humanities and Literature	2-3		
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	10-14		

Semester 4: Fall

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
EE 2114 - Circuits II	4		
CS 3000: Introduction to Discrete Structures	4	Yes	
EE 2324 - Analytical Foundations of Electrical Engineering	4		
EE 3954 - Microprocessors and Microcontrollers	4	Yes	
CS 3560: Software Engineering Tools and Practices	3	Yes	
Total hours for semester	19		

Semester 5: Spring

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
CS 3610: Data Structures	4	Yes	
EE 3214 - Electromagnetics and Materials I	4	Yes	
EE 3513 - Digital Signals and Systems	3	Yes	
EE 3343 - Electronics I	3	Yes	
EE 3753 - Introduction to Computer Networks	3	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 3613 - Computer Organization	3	Yes	
SENIOR ELECTIVE #1	3	Yes	
CS 4420: Operating Systems	3	Yes	
EE 4673 - Embedded Systems	3	Yes	
Total hours for semester	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	
PHYS 2051 - General Physics	5		
EE 4683 - Computer Architecture	3	Yes	
SENIOR ELECTIVE #2	3	Yes	
TECH ELECTIVE #1	3	Yes	
Total hours for semester	17		

Semester 9: Summer

Course Subject and Title (Or General Tier/Major Requirement)	Credit Hours	Upper Division	Minimum Grade
ENGINEERING ELECTIVE	3	Yes	
Tier II: Humanities and Literature	2-3		
Tier II: Cross Cultural Perspectives	2-3		
JUNIOR COMP	3	Yes	
Total hours for semester	10-12		