Mechanical is Green, Electrical is Orange, Computer Engineering is Gray, Carolina Core is Yellow
USC is Red, MTC is Blue/Yellow

Course Subject and Title	Credits	Grade	Prerequisites	Notes
Semester One(2019 Spring) 6 Credit Hours				
ENGL 101	3	A		
MATH 111	3	A		
Semester Two(2019 Fall) 15 Credit Hours				
MATH 112	3	A		
ENGL 102	3	A		
CHEM 111	4	B		
No transfer	5	A		
Semester Three(2020 Spring) 18 Credit Hours				
CHEM 112	4	A		
MATH 141	4	A		
PHYS 201	4	A		
No Transfer	3	A		
UNEL 001T Intro to electronics	3	A		
Semester Four(2020 Summer) 15 Credit Hours				
CSCE 101	3	A		
ENCP 200	3	A		
MATH 142	4	A		
PHYS 211	4	A		
UNEL 001T Intro to Data Acquistion	1	A		
Semester Five(2020 Fall) 17 Credit Hours				
CSCE 145	4	A		
ELCT 101	3	A		
ELCT 220	3	A		
EMCH 111	3	B		
MATH 242	4	A		
Semester Six(2021 Spring) 21 Credit Hours				
CSCE 146	4	A		
ELCT 102	3	A		
MATH 241	4	A		
PHYS 212	3	A		
PSYC 101	3	A		
STAT 509	3	B		
Semester One(2021 Fall) 15 Credit Hours				
EMCH 201 Intro. to Applied Numerical Methods	3	A	MATH 142	
EMCH 260 Solid Mechanics	3	A	MATH 241, EMCH 200	
EMCH 290 Thermodynamics	3	A	PHYS 211, MATH 142	
EMCH 310 Dynamics	3	C	MATH 242, EMCH 200	
EMCH 380 Project Management for Engineers	3	A	MATH 241	
Semester Two(2022 Spring) 18 Credit Hours				
EMCH 308(Introduction to FEA)	3	A	EMCH 260	Elective
EMCH 327(Machine Design)	3	A	EMCH 260	
CSCE 211 (Digital Logic Design)	3	A	MATH 141	2 Majors
ELCT 221 (Circuits)	3	A	MATH 142, ELCT 102	2 Majors
ELCT 361(Electromagnetics)	3	C+	PHYS 212, MATH 241	
ELCT 363(Intro. To Microelectronics)	3	B	CHEM 111, PHYS 212 ,MATH 241	

Semester Three(2022 Fall) 21 Credit Hours				
CSCE 212(Intro. To Computer Architecture)	3		CSCE 211, CSCE 145	2 Majors
ELCT 201(Introductory Elect. Engr. Lab)	3		CSCE 211, Coreq(ELCT 222)	2 Majors
ELCT 222(Signals & Systems)	3		ELCT 221, MATH 242	2 Majors
EMCH 332(Kinematics)	3		EMCH 310	
EMCH 361(Laboratory 1)	3		EMCH 290, 260, 201, ELCT 221	
EMCH 368(Mechatronics)	4		CSCE 145, ELCT 221, EMCH 260	
CSCE 190(Computing in the Modern World)	1	C min.	CSCE 145	
CSCE 215(UNIX/Linux Fundamentals)	1	C min.	CSCE 145	
Semester Four(2023 Spring) 21 Credit Hours				
ELCT 301(Electronics Laboratory)	3		ELCT 201, Coreq(ELCT 371)	
ELCT 321(Digital Signal Processing)	3		ELCT 222	
ELCT 371(Electronics)	3		ELCT 222	
EMCH 360(Fluid Mechanics)	3		EMCH 200, EMCH 290, MATH 242	
EMCH 371(Materials)	3		EMCH 260	
EMCH 367(Controls)	3		EMCH 368, EMCH 310	
PHIL 325	3			3 Majors
Semester Five(2023 Fall) 21 Credit Hours				
ELCT 302(Real-Time Systems Laboratory)	3		ELCT 301, Coreq(ELCT 331)	
ELCT 331(Control Systems)	3		ELCT 222	
CSCE 240 Advanced Programming Techniques	3	C min.	CSCE 215, CSCE 146	
EMCH 354(Heat Transfer)	3		EMCH 360	
EMCH 377(Manufacturing)	3		EMCH 371	
EMCH 362(Laboratory 2)	3		EMCH 361, EMCH 360, EMCH 310	
HIST 111	3			3 Majors
Semester Six(2024 Spring) 21 Credit Hours				
ELCT 432(Fundamentals of Communication Systems)	3		ELCT 321, STAT 509	Elective
ELCT 564 RF Circuit Design for Wireless Communications	3		ELCT 361	Elective
ELCT 562-Wireless Communications	3		ELCT 361, ELCT 432 (Move this)	Elective
CSCE 313 Embedded Systems	3	C min.	CSCE 212	2 Majors
EMCH 535 - Robotics in Mechanical Engineering	3		EMCH 332	Elective
MUSC 110	3			3 Majors
MATH 374 Discrete Structures	3	C min.	MATH 142, CSCE 146	
Semester Seven(2024 Fall) 21 Credit Hours				
ELCT 403(Capstone Design Project 1)	3		ELCT 302	
EMCH 427(Design 1)	3		EMCH 380,332,354,362,368,371	
CSCE 611 Advanced Digital Design	3	C min.	CSCE 212	
CSCE 490 Capstone Computing Project I	3	C min.	CSCE 240, CSCE 350	
CSCE 350 Data Structures & Algorithms	3	C min.	CSCE 212	
CSCE 311 Operating Systems	3	C min.	CSCE 212, CSCE 240	
CSCE 274 Robotic Applications & Design(Fall Only)	3	C min.	CSCE 146	
Semester Eight(2025 Spring) 21 Credit Hours				
ELCT 404(Capstone Design Project 2)	3		ELCT 403	
EMCH 428(Design 2)	3		EMCH 427	
ENGL 462 Technical Writing	3		ENGL 102	
CSCE 492 Capstone Computing Project II	3	C min.	CSCE 490	
CSCE 491 Capstone Computer Engr. Project	3	C min.	CSCE 240, CSCE 313, CSCE 611	
CSCE 416 Introduction to Computer Networks	3	C min.	CSCE 146	
CSCE 330(Programming Language Structures)	3	C min.	CSCE 240, MATH 374	Elective

Semester Nine(2025 Fall) 11 Credit Hours				
MATH 344 Applied Linear Algebra	4		MATH 142	
CSCE 390 Prof. Issues in Computer Science Engr.	1	C min.		
CSCE 355(Foundations of Computation)	3		CSCE 212, CSCE 350	Elective
CSCE 546(Mobile Application Development)	3		CSCE 240	Elective

Credit Hours at Graduation	261