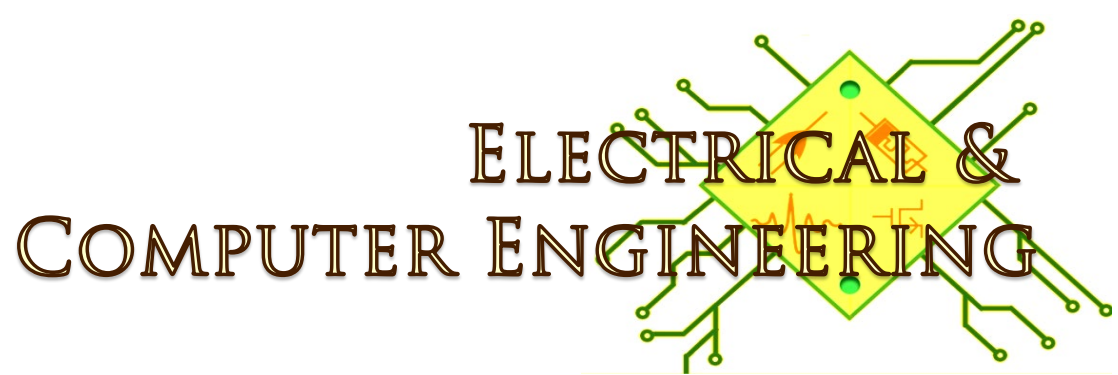




EFFECTIVE FALL 2026

SECOND YEAR							
Sophomore Engineering Clinic I (ENGR 01.201) ² (with College Composition II) COMM	4			Sophomore Engineering Clinic II (ENGR 01.202) ² (with Public Speaking) COMM	4		
Calculus III (MATH 01.230)¹	4			Math for Eng. Analysis I (MATH 01.235) ³	4		
Computer Architecture (ECE 09.243)¹	3			Principles of Data Structures (CS 04.225)	3		
Princ. Electrical Circuit Analysis (ECE 09.203)¹	4			Embedded Systems (ECE 09.342)	3		
				Electronics I (ECE 09.311)	3		
Total Units	15			Total Units	17		

FOURTH YEAR							
Senior Engineering Clinic (ENGR 01.403) ^(WT)	2			Senior Engineering Clinic (ENGR 01.403) ^(WT)	2		
VLSI Design (ECE 09.414)	3			Proferssionalism & Consulting in Eng. (ECE 09.461) ⁸	1		
Electrical Communication Systems (ECE 09.433)	3			Seminar: Frontiers (ECE 09.498)	1		
ECE Technical Elective ⁷	3			ECE Technical Elective ⁷	3		
ECE Technical Elective ⁷	3			ECE Technical Elective ⁷	3		
Rowan Core ² HUMANISTIC	3			Rowan Core ² GLOBAL	3		
ECE 09.497 OOD / Multidisciplinary Experience ⁹	0			Rowan Core ² ARTISTIC	3		
Total Units	17			Total Units	16		

Total Program Credits: 128

1. Courses listed in **bold face** need to be completed with a minimum grade higher than D- to satisfy the prerequisites of one or more subsequent courses. A minimum grade of "C-" is needed in Calculus I, II and III, Principles of Electric Circuit Analysis, Introduction to Electricity & Magnetism, Computer Architecture and Signals & Systems to proceed to the next course in its sequence.

3. Choose from: CHEM 06.100 College Chemistry I, BIOL 01.112 General Biology, Environmental Focus, BIOL 01.113 General Biology, Human Focus; BIOL 01.115 General Biology – Plants and People; BIOL 10.210 Human Anatomy and Physiology; PHYS 00300 Modern Physics; PHYS 00221 Introductory Thermo, Fluid, Wave and Optics. Other appropriate science classes may be substituted upon Department approval.

5. ECE students who complete the ME Minor are exempt from the ME 10.320 Mechanical Engineering for ECEs.

7. ECE electives are 400-level ECE courses that are not otherwise required as part of the ECE core curriculum. One non-ECE course may be taken towards ECE electives requirements if it is a technical 400-level course. Most 400-level engineering courses qualify but check with ECE Dept. Head before registering if you want to take a non-ECE class as an ECE elective. Some (but not all!) EET courses at 300 and 400-level may also count towards ECE electives. Please check with Department Head or UG Program Coordinator. No more than two courses taken towards a CUGS may be counted towards ECE electives. Required courses taken for Minor in Systems Engineering (ECE 09.421 and ECE 09.427) cannot be also used towards ECE electives.

9. OOD / Multidisciplinary experience requirement is now a 0-credit class and can be satisfied by any of the following. Register for ECE 09.497 during the semester you intend to satisfy this requirement and inform your advisor. When completed, provide evidence to the instructor of record.

- RS: ENGR 01.101 First-Year Engineering Clinic satisfies Rowan Seminar, and WI: ENGR 01.403 Senior Engineering Clinic satisfies the Writing Intensive requirement of Rowan Experience. Literature requirement must be satisfied by a Rowan Core / general education elective.

Revised Fall 2026 - For students entering as first-year students in Fall 2021 or later.