Rowan University
DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING

Electrical Engineering Technology

Rowan EET Curriculum - Advising & Progress Sheet w/Rowan Core

2+2 Transfer Program Curriculum - Effective Fall 2025

FALL	CR	Semester Completed	Grade	SPRING	CR	Semester Completed	Grade
FIRST YEAR - Taken at your Community College - The following courses may be taken during any semester of first or second year							
Pre-Calculus (MATH 01.122)[1]	4			**Calculus I (MATH 01.130)[1,2]** **QUANTITATIVE**	4		
Physics I (w/o Calculus) (PHYS 00.210)[2,3] **SCIENTIFIC**	4			Electric Circuits I (EET 0.121) **EET CORE[4]**	3		
A Programming class (preferrably OOP based)	3			Physics II w/o Calculus (PHYS 00.211)[3]	4		
College Composition I (COMP 01.111)[2] - **COMM**	3			College Composition II (COMP 01.112)2 - **COMM**	3		
Total Units	14			Total Units	14		
SECOND YEAR - Taken at your Community College - The following courses may be taken during any semester of first or second year							
An Intro to Eng. Design course (ENGR 01.101/102)[5]	4			Public Speaking CMS 04.205 **COMM**	3		
Digital Logic / Electronics (EET 03.240) **EET CORE[4]**	3			Science / Tech Focus Elective[6]	3		
Electric Circuits II (EET 03.222) - **EET CORE[4]**	3			Technology Focus Elective (EET 03.300)[6]	3		
Introduction to Electronics (EET 03.230) **EET CORE[4]**	3			Technology Focus Elective (EET 03.300)[6]	3		
Micro/Macro Econ. (ECON 04.101/102) **HUMANISTIC**	3			Technology Focus Elective (EET 03.300)[6]	3		
Total Units	16			Total Units	15		
THIRD YEAR - Taken at Rowan University							
Junior Technology Clinic (EGR 02.351)	2			Junior Technology Clinic II (EGR 02.352)	2		
PCB Des., Rapid Proto. and Fabr. (EET 03.360)	4			Embedded Systems & IoT (EET 03.340)	4		
Calculus II (MATH 01.131)[1]	4			Prob&Stat 4 ECE (STAT 02.286) (Also see options)[7]	3		
Analog Integrated Circuits (EET 03.332)	3			Project Management (EET 03.490) (Also see options)[8]	3		
Rowan Core **ARTISTIC**	3			Rowan Core **GLOBAL**	3		
Total Units	16			Total Units	15		
FOURTH YEAR - Taken at Rowan University							
Senior Technology Clinic I (EGR 02.451)	2			Senior Technology Clinic II (EGR 02.452)[(WI)]	2		
Applied Digital Signal Processing (EET 03.350)	4			Applied Communication Systems (EET 03.380)	3		
Intro. to Mechanical Systems (MET 07.360)	3			Electrical Power & Energy Systems (EET 03.390)	3		
EET Specialization Elective EET/ECE 03.XXX/09.XXX[9]	3			EET Specialization Elective EET/ECE 03.XXX/09.XXX[9]	3		
EET Specialization Elective EET/ECE 03.XXX/09.XXX9	3			EET Specialization Elective EET/ECE 03.XXX/09.XXX9	3		
Professionalism and Consulting in Eng. (ECE 09.461)	1						
Total Units	16			Total Units	14		

Rowan Core Requirements (Fill in the course information below)							
HUMANISTIC: Micro/Macro Economics	3			**ARTISTIC:**	3		
GLOBAL:	3			**Non Program** Prob&Stat for ECEs	3		
LITERATURE:				**Multidisciplinary / Out of Discipline[10]**			
Total Program Credits		**120**		Multidisciplinary / Out of Discipline experience satisfied by:			

Notes:

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 Pre-Calculus, Calculus I and II is needed to proceed to the next course in its sequence.

2. Rowan Core requires six literacies: Communication, Quantitative, Scientific, Humanisic, Artistic, and Global. The first four are satisfied by major courses (indicated in green above). The remaining two must be taken from appropriate bank of courses, one of which must carry "Literature" attribute. Artistic and Global Rowan Core courses are shown above as place holders only. They can be taken at any time in any order.

3. The base Physics I and II courses in the EET program are non-Calculus-based courses. However, calculus-based Physics I and II courses are also acceptable for transfer purposes.

4. The program includes 12 credits of EET CORE that consist of Electric Circuits I and II, Digital Electronics / Logic Circuits, and Electronics. At some schools, these are offered as three courses of 4 credits each, whereas at others, four courses of 3 credits each. Either combination is acceptable.

5. Any appropriate Introduction to Engineering / Design course (or a combination of courses) that add up to 4 credits can be used to satisfy this requirement.

6. Different Engineering Technology programs at various community colleges offer different focus areas. To accommodate such a diverse set of programs, we will accept up to four science/technology focus electives. Three courses should directly relate to engineering technology (preferably to EET). A fourth course can be more general science-oriented (or another engineering technology course)

7. A class that focuses on statistics is required. STAT 02.286 Prob & Stat. for ECEs **or** ME 10.342 Quality and Reliability in Design and Manufacture are recommended. STAT 02.260 Statistics I is acceptable.

8. A class that focuses on project management is required. You may choose from EET 03.490 Project Management, ME 10.443 Design for X, ENGR 01.496 New Product Development or MIS 02.235 Project Management.

9. EET Specialization electives are 300 or 400-level EET courses that are not otherwise required as part of the EET core curriculum. ECE courses at 300 or 400 level courses (not otherwise requried as part of the EET core curriculum) may also be taken to satisfy this requirement. One non-ECE/EET course may be taken towards these electives requirements if it is a technical 400-level course. No more than two courses taken towards a CUGS may be counted towards EET electives. Required courses taken for Minor in Systems Engineering (ECE 09.421 and ECE 09.427) cannot be also used towards ECE/EET electives.

10. OOD / Multidisciplinary experience requirement can be satisfied by any of the following. When completed, ask your advisor to put a note on your DW record.

   a. Participating in one out-of-discipline clinic project
   b. Providing consulting services to a non-ECE clinic or other research project through ECE 09.461 Clinic Consultant / Professionalism and Cons.;
   c. Taking a non-ECE technical class (must be 300 or 400-level) as an elective or an elective offered by the ECE Department but one that is clearly outside of the traditional boundaries of ECE providing non-ECE content (such as bioinformatics, biomedical systems and devices)
   d. Completing a Minor in any technical field or a CUGS offered by a program outside of ECE (no double dipping with ECE courses allowed)

RS: ENGR 01.101 First-Year Engineering Clinic satisfies Rowan Seminar, and WI: EGR 02.452 Senior Technology Clinic II satisfies the Writing Intensive requirement of Rowan Experience. Literature requirement must be satisfied by a Rowan Core / general education elective.

Your notes from meetings with your Advisor (Make sure that your advisor enters these to your record on DegreeWorks)

Revised Fall 2025 - For students in the 2+2 program, entering as third-year students in Fall 2025 or later.