

Mechanical Engineering Technology Curriculum Guide
Effective Fall 2026 (IMPORTANT: Courses in BOLD require minimum grade of C-)

First Year – RCSJ		Sophomore Year – RCSJ		Junior Year – RU		Senior Year – RU	
Fall Semester	16	Fall Semester	15	Fall Semester	17	Fall Semester	14
First Year Technology Clinic I (EGR 02.151)	2	Sophomore Tech Clinic I (EGR 02.251)	1	Junior Tech Clinic I (EGR 02.351)	2	Senior Tech Clinic I (EGR 02.451)	2
College Composition I (COMP 01.111)	3	Chemistry I (CHEM 06.100)	4	Intro Scientific Programming: MATLAB/CAD (CS 01.104)	3	Quality & Reliability (ME 10.342)	3
Precalculus (MA 01.222)	4	Statics for MET (MET 07.271)	3	Calculus II (MATH 01.140)	4	<i>Rowan Core – Global Literacy</i>	3
Physics I (W/O calculus) (PHYS 00.210)	4	CNC Programing (MET 07.251)	4	Strength of Materials (ENGR 01.273)	3	MET/ME Technical Elective I	3
Engineering Graphics for MET (MET 07.102)	3	Humanistic Lit: Society, Ethics & Technology	3	Manufacturing and Measurement Techniques (ME 10.210)	2	MET/ME Technical Elective II	3
				Applied Fluid Mechanics (MET 07.311)	3		
Spring Semester	16	Spring Semester	13	Spring Semester	17	Spring Semester	15
First Year Technology Clinic II (EGR 02.152)	2	Sophomore Tech Clinic II (EGR 02.252)	1	Junior Tech Clinic II (EGR 02.352)	2	Senior Tech Clinic II (EGR 02.452)	2
College Composition II (COMP 01.112)	3	Public Speaking (CMS 04.205)	3	Materials Science and Manufacturing (ENGR 01.283)	3	Machine Design (ME 10.301)	4
Calculus I (MATH 01.130)	4	Dynamics for MET (MET 07.291)	3	Introduction to Mechanical Design (ME 10.101)	3	Business/Economics Elective	3
Physics II (W/O calculus) (PHYS 00.211)	4	Control System Logic Controllers (EET 03.370)	4	Applied Heat Transfer (MET 07.312)	3	MET/ME Technical Elective III	3
Electrical Circuits I (EET 03.121)	3	MATLAB Programming for MET (MET 07.255)	3	<i>Rowan Core – Artistic Literacy</i>	3	MET/ME Technical Elective IV	3
Total Credits						120	

University Requirements

The *Rowan Core* is the University's general education model. It is based on six literacies and *Rowan Experience* (see below), which reflect contemporary priorities while maintaining a strong liberal arts foundation. Some literacies are incorporated in your major-specific courses. Others you will fulfill by taking elective courses in the required literacy.

Rowan Core-Literacies

- Artistic (ARTL)*
- Global (GLBL)*
- Humanistic (HUML)*
- Communicative (COML)*
- Quantitative (QNTL)*
- Scientific (SCIL)*

Fulfilled by:

- elective*
- elective*
- elective*
- Comp I, SEC I and II
- Calculus I
- Chemistry I

Rowan Experience

- Rowan Seminar (RS)
- Writing Intensive (WI)
- Broad-based lit. (LIT)

Fulfilled by:

- First-Year Technology Clinic I
- Senior Technology Clinic
- Literature-designated elective*

Notes

Business elective examples:

ECON 04101 or 04102; INTR 01138; BUS 01105; ENT 06240, 06346 or 06450

Technical elective examples:

MET 07201, MET 07301, ME 10401 - ME 10486 (see Undergraduate Catalog for list of courses)

Technical Elective Requirements

Approved MET courses, approved ME, ENGR, ECE, EET, CHE, CEE, BME 400-level courses, and other approved 400-level courses