

Program:	EGR.AS Engineering AS (60 credits)			Division:	STEM
Student:		ID#:		Catalog Year:	2026-2027

Developmental Education Courses (if required)								
☐	EAP-018	Intensive Academic English	☐	MAT-020	Basics of College Math	☐	COM-017/019	Foundational Reading/Writing
☐	EAP-020/040	EAP Reading I and Writing I	☐	MAT-03_		☐	COM-097	Academic Literacy I
☐	EAP-050/060	EAP Writing II and Reading II				☐	COM-098	Academic Literacy II

SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS

Courses are listed in preferred order of completion. Plans may be modified by adding more semesters.

SEMESTER 1 – Fall (13 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
Gen Ed	CSS-103 *	College Success Strategies	3		All & OL
Gen Ed	COM-121*	English Composition I	3	COM-098 or EAP-050 and EAP-060 with grades of “C” or better; or placement by exam	All
Gen Ed	MAT-220	Calculus I	4	MAT-180 or MAT-160 and MAT-165	Fall, Summer & OL
Major	EGR-104	Introduction to Engineering Design	3	MAT-110, COM-098 or EAP-050 and EAP-060	Fall

SEMESTER 2 – Spring (15 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
Gen Ed	COM-151*	Fundamentals of Speech	3	COM-098 or EAP-050 and EAP-060 or placement by appropriate score on placement test	All & OL
Gen Ed	MAT-221	Calculus II	4	MAT-220 Calculus I	Spring & Summer
Gen Ed	CHE-150	Chemistry I	4	CHE-120 or high school chemistry with a “C” or better; MAT-110 with a “C” or better (or sufficient placement test score)	Fall & Spring
Gen Ed	EGR elective	Program Elective	4		Spring
Elective	COM-151*	Fundamentals of Speech	3	COM-098 or EAP-050 and EAP-060 or placement by appropriate score on placement test	All & OL

SEMESTER 3 – Fall (16 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
Gen Ed	COM-141	Technical Writing	3	COM 121* with “C” or better	All & OL
Gen Ed	HUM	Humanities elective	3	COM 121* with “C” or better	All & OL
Gen Ed	PHY-250	College Physics I	4	MAT 220 and PHY 120 (with grade of “C” or better or high school Physics with a grade of “C” or better)	Fall
Major	MAT-222	Calculus III	4	MAT-221	Fall & Summer
Elective	EGR elective	Program Elective	2		

SEMESTER 4 – Spring (16 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
Gen Ed	SOC	Social Science elective	3	COM-098 or EAP-050 and EAP-060 with grades of “C” or better (or sufficient placement test score)	All & OL
Major	MAT-282	Ordinary and Partial Differential Equations	4	MAT-221	Spring
Major	EGR-110	Programming for Engineers	3	MAT-220, COM-098 or EAP-050 and EAP-060	Spring
Major	PHY-255	College Physics II	4	PHY-250; MAT-221	Spring
Elective	EGR elective	Engineering elective	2		

*Sections of these courses offered in the Honors Program, check <https://www.racc.edu/academics/honors-program> for details. **Online (OL)** may not be offered every semester. Please check the schedule.