Program:	MET.CC Mechatronics Technology CC (33 credits)		Division: STEM	
Student:		ID#:	Catalog Year: 2024-2025	

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 I – Fall (21 credits)					
	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
G	COM-121*	English Composition I	3	COM-098 or EAP-050 and EAP-060	All/OL
M	MAT-160	College Algebra	3	MAT-110 with a "C" or better	All/OL
G	CSS-103*	College Success Strategies	3		All/OL
M	MET-101	Fundamentals of Shop Machinery	3	MAT 035 with a "C" or better	
M	MET-120	Industrial Mechanics	5	MAT-035	
M	MET-130	Industrial Electrical Systems	4	MAT 030 or MAT 035 with a "C" or better or by placement score	

SEMESTER 2 – Spring (12 credits)					
	Course#	Course Name	Cr.	Pre-requisites/ Co-requisites	Semesters
G	COM-141	Technical Writing	3	COM-121* with a "C" or better	All/OL
M	MET-111	Fundamentals of Manufacturing	1	MAT 035 with a "C" or better	
M	MET-140A	Introduction to Programmable Logic Controllers I	2	MET-130	All
M	MET-140B	Introduction to Programmable Logic Controllers II	2	MET-140A	All
M	PHY-150	Applied Physics	4	COM 098 or EAP 060 & EAP 050; MAT 110	Fall/Spring

Students are required to take a RACC placement test for COM 121 and MAT 160, have appropriate SAT scores for placement, or transfer an approved equivalent course from another college. Students placing below the knowledge level of these courses will be required to pass one or more pre-requisite courses before registering for these courses. Other courses may require additional pre-requisite courses depending on math, reading, and writing placement as detailed on the course description pages.

Completion of MET 120, MET 130 and MET 140 is required for AMIST-1 certification.

*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.