COUNTY COLLEGE OF MORRIS
CURRICULUM CHECK SHEET   **#3700**
Requirements for Graduation   **MECHANICAL ENGINEERING**
A.A.S. DEGREE   **TECHNOLOGY**

FALL 2024

COURSE	CODE	CR	GR	TR
General Education Foundation (20 CR)				
COMMUNICATION (6 CR)				
English Composition I	ENG 111	3		
English Composition II	ENG 112	3		
MATH/SCIENCE/TECHNOLOGY (3CR)				
Computer Science I	CMP 128	3		
SOCIAL SCIENCE OR HUMANITIES (3 CR)*				
Choose a Humanities or Social Science elective from the General Education Course list. (This course must also appear on the Diversity list).		3		
GENERAL EDUCATION (8 CR)				
Mathematics Electives**		8		
MECHANICAL ENGINEERING CORE (40 CR)				
Circuit Analysis	ELT 100	3		
Computer-Aided Drafting I	ENR 117	2		
Computer-Aided Drafting II	ENR 118	2		
Intro to Exp and Design	ENR 132	3		
Engineering Technology Project **OR**	ENR 240	3		
Coop-Work Exper Mech **OR**	MEC 229			
Solar & Alternative Energy	ELT 250			
Statics	MEC 104	3		
Manufacturing Process for Engineering Technology	MEC 109	4		
Intro to Advanced Manufacturing	MEC 209	3		
Materials for Engineering Technology	MEC 110	4		
Strength of Materials	MEC 141	3		
Dynamics for Technology	MEC 204	2		
Technical Physics I	PHY 111	4		
Technical Physics II	PHY 112	4		
	TOTAL	60		

NOTES:

This is an unofficial document and should be used for academic planning purposes only. All students are required to see their Academic Advisor each semester to discuss and approve their selection of courses before they register.

Due to continual program revisions mandated by accrediting agencies and/or changes in state mandated requirements, students should consult their academic advisor when selecting courses.

If you need the name of your academic advisor, contact the Engineering Technologies/Engineering Science Department in the Advanced Manufacturing and Engineering Center, room 104, 973-328-5760.

To determine the transferability of your courses to participating NJ Colleges & Universities, access www.njtransfer.org.

*This elective must also be included as a Diversity course. See back page for more information.

**See back page for important note regarding Mathematics Electives.

Although the A.A.S. degree is a career-oriented program, selected four-year institutions may provide graduates of this program opportunity for transfer. For more information, contact the Transfer Coordinator and/or your academic advisor.

MECHANICAL ENGINEERING TECHNOLOGY
#3700
Suggested Sequence by Semester

This suggested sequence does not include any required developmental courses.
Degree completion time may vary depending upon the number of credits taken each semester.

SEMESTER I		CREDITS	SEMESTER II		CREDITS
English Composition I	ENG 111	3	English Composition II	ENG 112	3
Precalculus	MAT 123	4	Computer Science I	CMP 128	3
Computer-Aided Drafting I	ENR 117	2	Materials for Engineering Tech	MEC 110	4
Manufacturing Process for	MEC 109	4	Computer-Aided Drafting II	ENR 118	2
Engineering Technology			Statics	MEC 104	3
Intro to Exp & Design	ENR 132	3			
	TOTAL	16		**TOTAL**	15
SEMESTER III			**SEMESTER IV**		
Social Sci/Humanities Elective		3	Technical Physics II	PHY 112	4
Technical Physics I	PHY 111	4	Engineering Technology Project **OR**	ENR 240	3
Dynamics for Technology	MEC 204	2	Coop-Work Exper Mech **OR**	MEC 229	
Strength of Materials	MEC 141	3	Solar & Alternative Energy	ELT 250	
Circuit Analysis	ELT 100	3	Mathematics Elective		4
			Intro to Adv. Manufacturing	MEC 209	3
	TOTAL	15		**TOTAL**	14

SOCIAL SCIENCE/HUMANITIES: The Humanities or Social Science Elective must appear in the Diversity section of the General Education course list. Please see your Academic Advisor for advice on selecting a course.

GENERAL EDUCATION: [Click here for the most recent General Education course list.](#)

**MATHEMATICS ELECTIVES: Students must complete (or be exempt from MAT 123, Precalculus). After MAT 123, you may take MAT 113, Applied Calculus, MAT 131, Analytic Geometry and Calc I or MAT132 Analytic Geometry.

HONORS COURSES: You may be eligible to take honors courses. Discuss this option with your Academic Advisor.