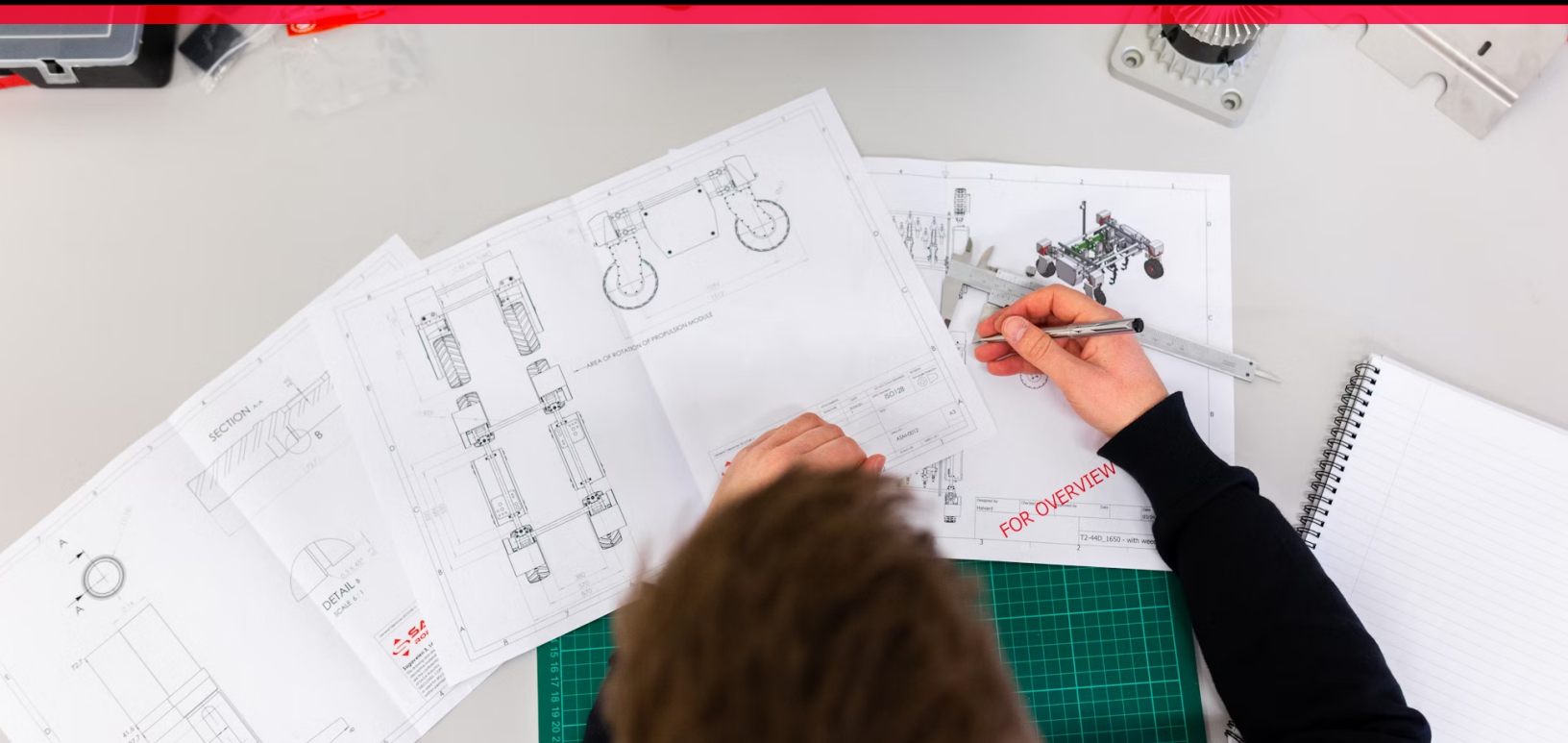


PRE-ENGINEERING

Associate in Science

Pending Board Approval



The Associate in Science in Pre-Engineering program will provide students with a strong foundational education in mathematics, science, and engineering principles, enabling a smooth transition into a four-year bachelor's degree program in various engineering disciplines.

Students who complete the program will be prepared to:

- Analyze engineering problems and develop viable solutions using appropriate methods.
- Apply principles of physics and mathematics to solve engineering challenges.
- Explain fundamental engineering concepts across multiple disciplines.
- Design studies, collect data, and analyze results to draw valid conclusions.
- Use engineering software tools for design and simulation.

- Communicate engineering concepts and findings effectively through written and oral presentations.

Graduates will be equipped with the critical knowledge needed to pursue advanced studies in areas such as:

- **Civil Engineering**
- **Chemical Engineering**
- **Electrical Engineering**
- **Mechanical Engineering**
- **Computer Engineering**

Degree Requirements

Semester I		Credit Hours
COM 100	Public Speaking	3
ENG ____	Select one of the following:	3 (4)
	ENG 101 College Writing	
	ENG 105 College Writing Seminar	
MAT 163	Calculus I	4
_____	Advising Pathway	3
_____	Elective: Social Science	3
Semester II		
ENG 201	Technical Writing	3
MAT 164	Calculus II	4
CHY 121	Chemistry I Lecture	3
CHY 122	Chemistry I Lab	1
MAT ____	Math Elective	3
_____	Diversity/Ethical Reasoning Elective	3
Semester III		
PHY 251	Physics I w Calculus Lecture	3
PHY 253	Physics I w Calculus Lab	1
MAT 265	Calculus III	4
_____	Advising Pathway	3-4
_____	Creative Arts/Humanities Elective	3
_____	Advising Pathway	3-4
Semester IV		
PHY 252	Physics II w Calculus Lecture	3
PHY 254	Physics II w Calculus Lab	1
MAT ____	Math Elective	3
_____	Advising Pathway	3-4
_____	Advising Pathway	3-4
Total Credit Hour Requirements		63-66

*Placement determined by assessment test scores and/or prior college course-work



Office of Admissions

1250 Turner Street • Auburn, ME 04210
(207) 755-5273 • cmccadmissions@maineccc.edu

www.cmcc.edu

Find CMCC on social media at CMCCMaine

