

# ARCHITECTURAL & CIVIL ENGINEERING

Associate in Applied Science



**Through a unique combination of in-class and hands-on experience, students in the Architectural and Civil Engineering degree utilize modern software, methods, and techniques to define, analyze, and integrate solutions in architecture, civil engineering, and sustainability.**

Students are prepared for research and documentation in residential and commercial building and site design. Graduates may continue their education at the bachelor's level or enter the Architectural and Civil Engineering field.

**Graduates may pursue careers with:**

- **Architectural Firms**
- **Engineering Offices**
- **Structural or Fabrication Departments in Industrial Plants**
- **Contractors**
- **Land Surveyors**
- **Building Materials Supply Firms**
- **Municipal or State Engineering Offices**

## Degree Requirements

<b>Semester I</b>		<b>Credit Hours</b>
CAD 110	Introduction to CAD	3
ACE 113	Architecture and Design	3
ACE 155	Residential Site Design	3
ENG ____	Select <u>one</u> of the following:	3
	*ENG 101 College Writing	
	ENG 105 College Writing Seminar	(4)
MAT ____	Select <u>one</u> of the following:	3
	*MAT 105 Geometry & Trigonometry	
	*MAT 122 College Algebra	
____	Elective: Humanities/Social Science	3
<b>Semester II</b>		
ACE 110	Construction and Materials	3
ACE 121	Structures I	3
ACE 225	Commercial Site Design	3
PHY 121	Technical Physics I Lecture	3
PHY 122	Technical Physics I Lab	1
ENG 201	Technical Writing	3
<b>Semester III</b>		
CAD 262	Intermediate CAD	3
ACE 165	Commercial Building Design	3
ACE 122	Structures II	3
ACE 239	Applied Engineering Science	3
____	Elective: Humanities/Social Science	3
<b>Semester IV</b>		
ACE 268	Trends in Architectural & Civil Engineering	3
ACE 204	Building Systems	3
ACE 274	Project Management	3
ACE ____	Select <u>one</u> of the following:	3
	ACE 298 Capstone	
	ACE 297 Internship	
____	Elective: Humanities/Social Science	3
<b>Total Credit Hour Requirements</b>		<b>64-65</b>

*\*Placement determined by assessment test scores and/or prior college coursework*



**Architectural and Civil Engineering Degree Prerequisites/Requirements:** "C" or higher in Algebra I, or meet the prerequisites for MAT 105 (see page 30 of the College Catalog).

### Office of Admissions

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[www.cmcc.edu](http://www.cmcc.edu)

Find CMCC on social media at CMCCMaine!

