

# ENGINEERING AND CONSTRUCTION TECHNOLOGY LEVEL II (CERTIFICATE N0481)

## Technology and Health Division

### Certificate N0481

This intermediate certificate is intended to continue preparing students for employment in the engineering and construction field. An understanding of building materials and architectural specifications in construction, building and zoning codes, permits, and architectural CAD and BIM will be developed. These skills are critical for direct employment in the fields of construction, general or civil engineering technology, building inspection and construction management. Students desiring a Bachelor's Degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

### Required Courses

Course Prefix	Course Name	Units
	Completion of the Engineering and Construction Technology - Level I	10
	PLUS	
	Completion of the Engineering and Construction Technology - Level II	10
	Total Units	20

Course Prefix	Course Name	Units
	<b>Completion of the Engineering and Construction Technology - Level I</b>	
ECT 16	CADD and Digital Design Media Level I	4
ECT 67	Reading Construction Drawings	3
ECT 70	Elements of Construction Management	3
	Total Units	10

Course Prefix	Course Name	Units
	<b>Completion of the Engineering and Construction Technology - Level II</b>	
ARCH 142	Architectural Materials and Specifications	4
ARCH 145	Building and Zoning Codes	3
ARCH 147	Architectural CAD and BIM	3
	Total Units	10

Guided Pathways of Study Suggested Course Sequence (<https://www.mtsac.edu/guided-pathways/pathway-results.html?pthwyvar=N0481&desc=Engineering+and+Construction+Technology%2C+Certificate+Level+II+N0481>)

### Program Learning Outcomes

*Upon successful completion of this program, a student will be able to:*

- Be technically competent.
- Be employed or seeking employment in the field or a related field.

Review Student Learning Outcomes (SLOs) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.