

# ARCHITECTURAL TECHNOLOGY CONCENTRATION LEVEL-II (CERTIFICATE T0389)

## Technology and Health Division

The Level II Technology Concentration Certificate provides additional expertise in advanced CADD applications and professional practice. The Level II Technology Concentration Certificate prepares students for employment as an intermediate CADD operator or production specialist.

## Required Courses

Course Prefix	Course Name	Units
	Completion of the Architecture Foundational Skills Certificate coursework	12
PLUS		
	Completion of the Architectural Technology Concentration - Level I coursework	10
PLUS		
	Completion of the Architectural Technology Concentration - Level II coursework	9
Total Units		31

Course Prefix	Course Name	Units
<b>Architecture Foundational Skills Certificate Coursework</b>		
ARCH 101	Design I - Elements of Design	4
ARCH 121	CADD and Digital Design Media Level I	4
ARCH 141	Design Drawing and Communication	4
Total Units		12

Course Prefix	Course Name	Units
<b>Architectural Technology Concentration - Level I Coursework</b>		
ARCH 142	Architectural Materials and Specifications	4
ARCH 147	Architectural CAD and BIM	3
ECT 70	Elements of Construction Management	3
Total Units		10

Course Prefix	Course Name	Units
<b>Architectural Technology Concentration - Level II Courses</b>		
ARCH 146	Architectural Drawings and Fabrications	3
ECT 26	Civil Engineering Technology and CADD	3
ECT 71	Construction Estimating	3
Total Units		9

Architecture Website (<http://www.mtsac.edu/architecture/>)

## Program Learning Outcomes

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

- Be employed or actively seeking employment in the field or a related field.
- Be technically competent.
- Successfully execute orthographic and 3D drawing projections.

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

Looking for guidance? A counselor can help. This Guided Pathways for Success (GPS) is a suggested sequence of coursework needed for program completion. It is not an official educational plan. Schedule an appointment (<https://esars2012.mtsac.edu/appointments/counseling/eSARS.asp?WCI=Init&WCE=Settings>) with a counselor or advisor as soon as possible to create an individualized Mountie Academic Plan (MAP) specific to your goals and needs.

Course	Title	Units
<b>Fall Term</b>		
ARCH 141	Design Drawing and Communication <sup>4</sup>	4
ECT 70	Elements of Construction Management <sup>3</sup>	3
Units		7
<b>Winter Term</b>		
ARCH 146	Architectural Drawings and Fabrications <sup>3</sup>	3
Units		3
<b>Spring Term</b>		
ARCH 142	Architectural Materials and Specifications <sup>4</sup>	4
ARCH 147	Architectural CAD and BIM <sup>3</sup>	3
ECT 26	Civil Engineering Technology and CADD <sup>3</sup>	3
ECT 71	Construction Estimating <sup>3</sup>	3
Certificate: Architectural Technology L2 T0389 <sup>9</sup>		
Submit petition at Admissions Records		Submit petition at Admissions Records
Units		13
Total Units		23