

# ARCHITECTURAL TECHNOLOGY CONCENTRATION LEVEL-I (CERTIFICATE N0468)

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## Technology and Health Division

This Level I Technology Concentration Certificate focuses upon the preparation of architectural construction documents, with emphasis on computer-aided design and drawing (CADD) applications. Regulatory requirements and an overview of construction practices are also included. The student will prepare a portfolio of CADD documentation, including 2-D and 3-D projections.

## 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
<b>Total Units</b>		<b>22</b>

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
<b>Total Units</b>		<b>12</b>

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
<b>Total Units</b>		<b>10</b>

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.