

# Architectural Technology

PROGRAM CODE: 10-614-1



Associate Degree

**Location:** Downtown Milwaukee Campus**Start Date:** August**Admission Requirement:** High school diploma or equivalent**Academic Preparedness Requirements:** One year of high school-level algebra and geometry**Financial Aid Eligible:** Yes. Use code 003866 at fafsa.gov.

## Program Description

This program prepares students for work in fields related to architecture and construction. Students are introduced to architectural design and drafting through sketching techniques and then receive extensive training in computer-aided drafting and Building Information Modeling (BIM) using AutoCAD and Revit BIM software. Construction materials and methods, architectural practices, building codes and mechanical and environmental systems also are studied.

## Career Outlook

Architectural technicians are in demand. They work with architects, engineers, contractors, designers, and building material manufacturers and suppliers.

## Program Learning Outcomes

- Develop construction documents.
- Evaluate building materials.
- Develop building designs.
- Integrate building systems.

**Complete Program Details****QUESTIONS?** 414-297-6319 or [stempathway@matc.edu](mailto:stempathway@matc.edu)

## COURSES

## CREDITS

<b>ARCHT-101</b>	Architectural Theory and Drawing 1 .....	4
<b>ARCHT-105</b>	Architectural History.....	2
<b>ARCHT-110</b>	Computer Applications for Architecture .....	2
<b>ARCHT-121</b>	Architectural Materials and Methods 1 .....	2
<b>ENG-195</b>	Written Communication ‡..... (or) ENG-201 English 1 ‡	3
<b>MATH-115</b>	College Technical Mathematics 1 ‡ .....	5
	(or) MATH-201 College Algebra‡	
<b>ARCHT-112</b>	Architectural Theory and CADD 2 ‡.....	4
<b>ARCHT-120</b>	Structural Systems and Components ‡ .....	3
<b>ARCHT-122</b>	Architectural Materials and Methods 2 ‡.....	3
<b>ENG-196</b>	Oral/Interpersonal Communication ‡..... (or) Any 200-level ENG or SPEECH course	3
<b>MATH-116</b>	College Technical Mathematics 2 ‡ .....	4
	(or) MATH-202 Trigonometry ‡	
<b>ARCHT-103</b>	Architectural Theory and CADD 3 ‡.....	5
<b>ARCHT-131</b>	Mechanical and Environmental Systems 1 ‡ .....	2
<b>ELECTIVES</b>	(Two credits) .....	2
<b>PHYS-139</b>	Survey of Physics .....	3
	(or) PHYS-221 College Physics 1 ‡	
<b>PSYCH-199</b>	Psychology of Human Relations.....	3
	(or) Any 200-level PSYCH course	
<b>ARCHT-104</b>	Architectural Theory and CADD 4 ‡.....	5
<b>ARCHT-107</b>	Building Estimating.....	2
<b>ARCHT-132</b>	Mechanical and Environmental Systems 2 ‡ .....	2
<b>ARCHT-141</b>	Architectural Practices and Procedures ‡.....	2
<b>SOCSCI-197</b>	Contemporary American Society .....	3
	(or) Any 200-level HIST or SOCSCI course	

## CREDITS

Total credits needed to complete this degree

64

‡ Prerequisite required.

Program curriculum requirements are subject to change.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

MATC courses are offered in person, entirely online or partially online. Check each course's delivery options in Self-Service at [selfservice.matc.edu](https://selfservice.matc.edu).