

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

COURSES

CREDITS

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