Architectural Technology

ASSOCIATE DEGREE Program Code: 10-614-1 | Downtown Milwaukee Campus

This program prepares students for work in architectural and construction related fields. Students are introduced to architectural 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, building codes, and mechanical and environmental systems also are studied. Day and evening courses are offered.

**Workplace Competencies**
Employers expect program graduates to:
- Use computer-aided drafting and Building Information Modeling (BIM) software
- Demonstrate knowledge of construction principles, techniques and building codes
- Demonstrate knowledge of mechanical, electrical and plumbing systems
- Demonstrate knowledge of principles of sustainability and green architecture

**Career Outlook**
Technicians work with architects, engineers, contractors, designers and building material manufacturers and suppliers. Job duties may include basic drafting, detailing, building information modeling, estimating, technical report writing and field inspection.

**Admission Requirements**
- A high school diploma or GED
- One year of high school-level algebra and geometry
- Demonstration of basic skills through a course placement assessment

Start date: August

MILWAUKEE AREA Technical College
School of TECHNOLOGY and APPLIED SCIENCES

matc.edu | 414-297-MATC
Architectural Technology Curriculum

TECHNICAL 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 & Methods 1......... 2
ARCHT-120 Structural Systems and Components ‡ ...... 3
ARCHT-122 Architectural Materials & Methods 2 ‡ ...... 3
ARCHT-102 Architectural Theory and CADD 2 ‡ ....... 5
ARCHT-121 Architectural Materials & Methods 1 ‡ ....... 2
ARCHT-120 Structural Systems and Components ‡ ...... 3
ARCHT-122 Architectural Materials & Methods 2 ‡ ...... 3
ARCHT-103 Architectural Theory and CADD 3 ‡ ....... 5
ARCHT-131 Mechanical and Environmental Systems 1 ‡ .......... 2
ARCHT-104 Architectural Theory and CADD 4 ‡ ....... 5
ARCHT-132 Mechanical and Environmental Systems 2 ‡ .......... 2
ARCHT-141 Architectural Practices & Procedures ‡ ...... 2
CIVIL-132 Building Estimating........................... 3

GENERAL STUDIES
ENG-151 Communication Skills 1 ‡ ...................... 3
ENG-152 Communication Skills 2 ‡ ...................... 3
(engt-201 and any 200-series ENG or SPEECH course
MATH-115 College Technical Mathematics 1 ‡ ...... 5
MATH-116 College Technical Mathematics 2 ‡ ...... 4
NATSCI-137 Comprehensive Technical Physics ........... 4
PSYCH-199 Psychology of Human Relations .......... 3
(or Any 200-series PSYCH course
SOCSCI-197 Contemporary American Society .......... 3
(or Any 200-series HIST or SOCSCI course

ELECTIVES (Three credits needed) 3

TOTAL CREDITS: 68

‡ Prerequisite required.
Curriculum requirements are subject to change.

This Associate in Applied Science program will transfer to one or more four-year institutions.

For more information, go to matc.edu/tas/index.cfm
To apply for financial aid, visit fafsa.ed.gov
School Code: 003866

Possible Careers
- Architectural Designer
- CADD Drafter
- Estimator
- Field Inspector
- Construction and Building Inspector

Related Programs
- Civil Engineering Technology
- Interior Design
- Mechanical and Computer Drafting

For more information:
matc.edu
or 414-297-MATC
Wisconsin Relay System 711

Downtown
Milwaukee Campus
700 West State Street

Mequon Campus
5555 West Highland Road

Oak Creek Campus
6665 South Howell Avenue

West Allis Campus
1200 South 71st Street