Architectural & Construction Technology Program Description

Industry Description

Graduates of the Architectural and Construction Technology program learn skills and technology which can be applied to a wide variety of careers in the design-construction industry, including employment with architectural and engineering firms, residential builders, and construction material suppliers.

Wages/Outlook/Advancement

Wage information is available from the Minnesota Department of Education and the Minnesota Department of Employment and Economic Development

Drafters who gain experience and knowledge may become design drafters or senior drafters. With additional training or experience, drafters may also move into related positions, such as technical writer, sales engineer, or engineering assistant.

Program Description

The Architectural and Construction Technology program consists of technical courses designed to develop skills related to the fields of architecture, engineering, contracting, and other design-construction fields.

Although no prior knowledge or experience is necessary to succeed in this program, prospective students should have a high school diploma or G.E.D. A background in algebra/trigonometry, drafting, computers, or construction can be helpful.

In addition to drafting and detailing skills, the student will receive training in related areas, such as specifications and building codes, building mechanical and electrical systems, as well as emerging technologies in energy-efficient design. Students will receive hands-on training in Anoka Technical College's computer-aided drafting (AutoCAD) labs with access to 50 + stations.

IMPORTANT ACCUPLACER Test Requirement: ACCUPLACER testing in math, reading and writing. Any needed developmental courses must be completed before receiving a diploma or an A.A.S. award.

Program Essentials
Length of Program

Diploma	59 credits
AAS Degree	69 credits

Start Dates

Fall Semester	August
Spring Semester	January
(with instructor approval)	

Program Contact

Jay Boyle
Phone (763)576-4890
E-mail jboyle@anokatech.edu

For information on how to apply or how to schedule a campus tour please contact the
Admissions Office
Phone (763) 576-4850
E-mail info@anokatech.edu

Architecture and Construction Technician
Diploma 59 Credits

General Education		**14 Credits**
COMP1002	Computer Technologies for Communications	2
ENGL1105	Composition I	4
MATH1050	Technical Math	5
SPCH1200	Interpersonal Communications	3

Technical Education		**45 Credits**
ARCH1000	Residential Construction	2
ARCH1015	Commercial Construction	2
ARCH1022	Construction Plan Reading	3
ARCH1025	Architectural Office Practices	2
ARCH1031	Building Systems	2
ARCH1040	Residential Graphics	1
ARCH1045	Commercial Graphics	1
ARCH1051	Architectural CAD I	3
ARCH1052	Architectural CAD II	3
ARCH2000	Residential Studio	5
ARCH2025	Revit Architectural 3D CAD	2
ARCH2030	Building Codes	1
ARCH2050	Commercial Studio	6

ARCH2070	Commercial Design	2
ARCH2081	Structural Technology I	2
ARCH2082	Structural Technology II	2
CEST1000	Construction Estimating I	3
CEST1010	Construction Estimating II	3

Architectural Technology
Associate of Applied Science Degree 69 Credits

General Education 17 Credits

Seventeen general education credits of Minnesota Transfer Curriculum are required. You must select classes from three or more goal areas. Refer to ATC website for a list of the Minnesota Transfer Curriculum and their goal areas: http://www.anokatech.edu/current_students/transfer/

Technical Education 52 Credits

COMP1002	Computer Tech for Communications	2
MATH1050	Technical Math	5
ARCH1000	Residential Construction	2
ARCH1015	Commercial Construction	2
ARCH1022	Construction Plan Reading	3
ARCH1025	Architectural Office Practices	2
ARCH1031	Building Systems	2
ARCH1040	Residential Graphics	1
ARCH1045	Commercial Graphics	1
ARCH1051	Architectural CAD I	3
ARCH1052	Architectural CAD II	3
ARCH2000	Residential Studio	5
ARCH2025	Revit Architectural 3D CAD	2
ARCH2030	Building Codes	1
ARCH2050	Commercial Studio	6
ARCH2070	Commercial Design	2
ARCH2081	Structural Technology I	2
ARCH2082	Structural Technology II	2
CEST1000	Construction Estimating I	3
CEST1010	Construction Estimating II	3