

CONSTRUCTION & MANUFACTURING

ARCHITECTURAL TECHNOLOGY

Delivery: Daytime Classes

Start: Fall Semester, Full-Time

AWARDS

Architectural Technology A.A.S. Degree. 60 cr.

Architectural Drafting Certificate. 12 cr.

MAJOR DESCRIPTION

This program prepares the student to work in architectural and construction related fields, providing training in the latest computer-aided design (CAD), REVIT building information modeling (BIM) software, and 3D visualization. Students develop drawings for residential and commercial buildings in a hands-on environment patterned after the most up-to-date architectural offices. Realistic architectural projects provide an excellent mix of technical training and creative problem solving, including effectively incorporating sustainability and green building principles.

WORK ENVIRONMENT

Graduates of this program find employment in many related areas: architectural firms and professional design offices, construction, engineering, product sales, estimating or managerial departments of construction firms or material manufacturing companies. As architectural technicians acquire experience, they have the potential to gain more responsibility and advance into project management positions.

POTENTIAL JOB TITLES

- CAD Technician
- AutoCAD Technician
- Computer-aided drafting and design drafter
- Draftsperson
- Architectural drafter
- Architectural Designer

SALARY DATA

See latest data at careerwise.minnstate.edu.

- Average Wage: \$27.30/hour
- Top Earners: \$38.70/hour

ARCHITECTURAL TECHNOLOGY

A.A.S. DEGREE

This is a suggested sample course sequence.

Please contact your program advisor regarding your academic plans.

First Year - Fall Semester 14 cr

ARCT1000	Architectural Technology Studio I	5
ARCT1020	Methods and Materials I	3
ARCT1108	Computer Drafting I	3
	General Elective (MnTC Goal 3) <i>BIOL1110 recommended</i>	3

First Year - Spring Semester 17 cr

ARCT1208	Computer Drafting II	3
ARCT1500	Architectural Technology Studio II	5
ARCT1540	Methods and Materials II	3
ARCT2020	Building Structures.	3
ARTS1310	History of Architecture	3

Second Year - Fall Semester 14 cr

ARCT1520	Building Codes and Regulations.	3
ARCT2000	Mechanical and Electrical Systems	3
ARCT2101	Architectural Technology Studio III	5
ARCT2108	Computer Drafting III	3

Second Year - Spring Semester 15 cr

ARCT2200	Architectural Studio IV	5
ARCT2970	Internship	1
ENGL1150	Composition I	3
SPEE1020	Interpersonal Communications	3
	General Elective (MnTC Goal 6) <i>ARTS1301 or PHIL1460 recommended</i>	3

TOTAL PROGRAM REQUIREMENTS 60

ARCHITECTURAL DRAFTING*
CERTIFICATE

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First Year - Fall Semester	12 cr
ARCT1020 Methods and Materials I	3
ARCT1108 Computer Drafting I	3
ARCT1208 Computer Drafting II	3
ARCT1540 Methods and Materials II	3
TOTAL PROGRAM REQUIREMENTS 12	

**This program not eligible for financial aid*



DAKOTA COUNTY
TECHNICAL COLLEGE

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