

ARCHITECTURAL TECHNOLOGY

Delivery: Daytime Classes
Start: Fall Semester, Full-Time
Location: Rosemount Campus

Outcome

Architectural Technology A.A.S. Degree60 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), 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, 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
- Drafter
- Architectural Designer

Salary Data

- Average Wage: \$25.08/hour
- Top Earners: \$35.62/hour

ARCHITECTURAL TECHNOLOGY - A.A.S. DEGREE

*This is a sample course sequence.
 Please contact your program advisor regarding your academic plans.*

First Year - First Semester

ARCT1000	Architectural Studio I	5
ARCT1020	Methods and Materials I	3
ARCT1107	CAD I	3
BIOL1110	Environmental Science	3
Total Credits		14

First Year - Second Semester

ARCT1207	CAD II	3
ARCT1500	Architectural Studio II	5
ARCT1520	Building Codes and Regulations	3
ARCT1540	Methods and Materials II	3
ARTS1310	History of Architecture (or ARTS1550 or HUMA1100)	3
Total Credits		17

Second Year - First Semester

ARCT2000	Mechanical and Electrical Systems	3
ARCT2020	Building Structures	3
ARCT2101	Architectural Studio III	5
ARCT2107	CAD III	3
Total Credits		14

Second Year - Second Semester

ARCT2200	Architectural Studio IV	5
ARCT2970	Internship	1
ENGL1150	Composition I	3
SPEE1020	Interpersonal Communications General Education Elective**	3
Total Credits		15

TOTAL PROGRAM REQUIREMENTS 60

*** Select General Education electives from any MnTC goal area.*

**ARCHITECTURAL DRAFTING -
CERTIFICATE**

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First Year - First Semester

ARCT1020	Methods and Materials I	3
ARCT1107	CAD I	3
ARCT1207	CAD II	3
ARCT1540	Methods and Materials II	3

Total Credits 12

** Final 2018-2019 Certificate pending Minnesota State Approval.*

***This program not eligible for financial aid*



DAKOTA COUNTY
TECHNICAL COLLEGE

2018-2019 CATALOG

Real Education. Real Results.