WHAT CAN YOU DO WITH A DEGREE IN ARCHITECTURAL DRAFTING AND ESTIMATING TECHNOLOGY?

Architectural drafting and estimating technicians are engaged at the front end of new construction and renovation projects. Their work lays the foundation for quality design and functionality within project budgets.

This NDSCS program prepares students to have an immediate impact in construction-related industries.

At NDSCS, earn an associate's degree in as little as 18 months and you'll have skills that are in high demand with architects, engineers, general contractors, home builders and manufacturing companies, government institutions and others.

NDSCS Student Project

ENTRY-LEVEL CAREERS

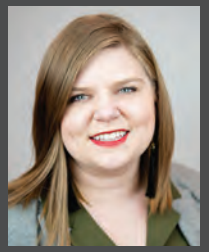
- Building Information Modeling (BIM) Modeler
- CAD/BIM Manager
- Computer-Aided Drafting (CAD) Technician
- Construction Estimator
- Construction-Related Salesperson
- Draftsperson
- Project Coordinator
- Residential Designer
- Other Design, Construction and Building-Related Positions

Watch the **ARCHITECTURAL DRAFTING AND ESTIMATING TECHNOLOGY** video.

Scan QR code with a smart device to watch our video.

Watch **NDSCS CAREER VIDEOS** at YouTube **/NDSCSWILDCATS**

CONTACT INFORMATION



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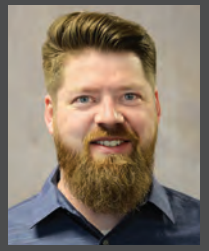

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NDSCS
ARCHITECTURAL DRAFTING AND ESTIMATING TECHNOLOGY

NDSCS.EDU/ARCHITECTURAL-DRAFTING

Academic Options | Course Descriptions
Laptop and Software Information

The North Dakota State College of Science is accredited by The Higher Learning Commission, 230 South LaSalle Street, Suite 7-500, Chicago, IL 60604, 800-621-7440 1/20 1,000

ARCHITECTURAL DRAFTING & ESTIMATING TECHNOLOGY

Some Courses Available Online!

NDSCS.EDU/ARCHITECTURAL-DRAFTING

NDSCS
NORTH DAKOTA STATE COLLEGE OF SCIENCE

ARCHITECTURAL DRAFTING AND ESTIMATING TECHNOLOGY

NDSCS Student Project

WIRE-FRAME 3D MODEL

BIM RENDERED MODEL

LEARN FROM INDUSTRY EXPERTS

Our instructors know what they're doing and they're ready to pass their knowledge on to you.

Our instructors are currently working in their fields and continue to develop best practices and shape the future of the industry by serving on professional boards, maintaining licenses and continuing to stay ahead of industry certification requirements.

ARCHITECTURAL DRAFTER/DESIGNER

- Prepare detailed drawings of architectural designs and structural features of buildings.
- Convert designs provided by an architect or engineer into working drawings.
- Prepare rendered realistic 3D building views.

CONSTRUCTION ESTIMATOR

- Calculate the cost of construction resources necessary for project completion.
- Help prepare bids for submission to potential clients.
- Provide technical support during negotiations with clients and throughout construction.

REAL-WORLD APPLICATIONS

While in the program, you'll have several opportunities to apply your skills and expertise to real-world challenges:

- **Design Charrette –** Each year students participate in a comprehensive team design competition that allows collaboration, communication and conflict resolution while applying acquired technical skills to a real-life project.
- **Renovation and Design –** Second-year students become part of a team that works directly with a business or home owner. You'll schedule meetings, draw as-built plans, and design and draw plans for renovations based on the client's needs.

PREPARE YOURSELF

Classes to take in high school:

- Architectural drafting
- Art, drawing, sketching
- Communication, writing and public speaking
- Computer / information technology
- Construction
- Geometry

STATE-OF-THE-ART ENVIRONMENT

Horton Hall, one of the most advanced hands-on learning environments around, received a $5.7 million dollar renovation in 2010. It is a U.S. Green Building Council LEED® certified structure with intelligent classrooms and dozens of high-tech, sustainable features that make the building itself a world-class teaching tool.

NDSCS Student Project

HANDS-ON LEARNING

NDSCS students learn by doing. You will experience training in computer-aided drafting, estimating, structural design, mechanical and electrical systems, presentation techniques and remodeling. You'll apply the latest processes and techniques using a commercial-grade laptop with the most advanced software and technologies.

- **Computer-Aided Drafting (CAD)** – Utilize AutoCAD software, the most used CAD software in the world, to design and draft residential projects.
- **Building Information Modeling (BIM)** – Utilize the Autodesk Revit Architecture software, which applies three-dimensional models to developing complete sets of construction plans, in preparing residential, multi-family, pre-engineered and commercial projects.