



Architecture & Construction Career Cluster



Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
Construction	Carpenter • Drywall Installer • Painter • Equipment and Materials Manager • Electrician • Plumber • Specialty Contractor • Project Inspector • Construction Engineer
Design/Pre-Construction	Building Code Official • Interior Designer • Architect • Surveying and Mapping Technician • Specification Writer • Drafter • Regional and Urban Planner
Maintenance/Operations	Code Official • Construction Engineer • Estimator • System Installer • Subcontractor • Hazardous Material Remover • Security and Fire Alarm System Manager



Is this Pathway for you?

- Are you curious to read and follow instructions, and/or blueprints?
- Can you picture in your mind what a finished product could look like?
- Do you like to work with your hands?
- Are you attentive when completing work that requires patience and precise results?
- Are you interested in learning how to apply math to real projects?
- Do you work best with logical, step-by-step procedures to solve technical problems?
- Do you like to create or design projects that interest others?
- Does it interest you to use tools, technology, and/or operate machines?
- Can you see yourself working as a member of a team?

Trade & Industry – Coordinated Plan of Study	
Construction	
Course Name	Cr
Building Trades I	2
Building Trades II	2
Students must earn at least 2 credits in a CTE pathway and 2 additional CTE credits to qualify for the CTE Scholarship	

Other Electives to Consider for Trade & Industry Pathway Preparation
<p>CTE Electives</p> <p>Woods I, II</p> <p>Construction Technology</p> <p>Intro to Engineering, Civil Engineering & Architecture</p> <p>Computer Applications, Business and Personal Finance</p> <p>Drafting & Design I, II</p> <p>Fundamentals of Business</p> <p>Marketing</p> <p>Interior Decorating & Design</p> <p>Living on Your Own</p> <p>Academic Electives</p> <p>Arts</p> <p>Consumer Math; Geometry</p> <p>Environmental Science, Earth Science</p> <p>Public Speaking</p>





North Dakota Architecture & Construction Related Postsecondary Programs

Pathway	Certificate or Associate's Degree	Bachelor's Degree	Master's Degree or More
Construction	<input type="checkbox"/> Building Construction Technology (NDSCS, TMCC) <input type="checkbox"/> Building Trades (SBC) <input type="checkbox"/> Carpentry (BSC, BJCC, CCCC) <input type="checkbox"/> Concrete (SBC, TMCC) <input type="checkbox"/> Construction Management/Technology (CCCC, NDSCS, NHSC) <input type="checkbox"/> Electrical Technology (NDSCS, SBC, TMCC) <input type="checkbox"/> Framing (SBC) <input type="checkbox"/> Heating Ventilation & Air Conditioning (BSC, CCCC, NDSCS, TMCC) <input type="checkbox"/> Interior Construction (SBC) <input type="checkbox"/> Land Surveying and Civil Engineering Technology (NDSCS) <input type="checkbox"/> Plumbing (NDSCS) <input type="checkbox"/> Sustainable Construction Technology (BSC)	<input type="checkbox"/> Construction Engineering (NDSU) <input type="checkbox"/> Construction Management (NDSU)	<input type="checkbox"/> Construction Management (NDSU)
Design/Pre-Construction	<input type="checkbox"/> Architectural Drafting and Estimating Technology (NDSCS) <input type="checkbox"/> Land Surveying and Civil Engineering Technology (NDSCS)	<input type="checkbox"/> Architecture (NDSU) <input type="checkbox"/> Civil Engineering (NDSU) <input type="checkbox"/> Construction Engineering (NDSU) <input type="checkbox"/> Landscape Architecture (NDSU)	<input type="checkbox"/> Architecture (NDSU) <input type="checkbox"/> Civil Engineering (NDSU)
Maintenance/Operations	<input type="checkbox"/> Facilities Maintenance (BJCC) <input type="checkbox"/> Mechanical Systems (NDSCS) <input type="checkbox"/> Mechanical Maintenance Technology (BSC)		



SkillsUSA is a local, state, and national co-curricular association serving high school, college and middle school students who are preparing for careers in trade, technical and skilled service occupations, including health occupations. SkillsUSA empowers its members to become world-class workers, leaders and responsible American citizens the SkillsUSA Framework of personal, workplace and technical skills. Ask about your SkillsUSA Advisor and learn what it takes to become a member.