

HORACE HIGH SCHOOL CONSTRUCTION TECHNOLOGY PATHWAY

Our MISSION
Educating today's learners for tomorrow's world.



Our VISION

West Fargo Public Schools prepares all learners with the knowledge and skills to be compassionate, contributing citizens in a rapidly changing world. We are dedicated to continuous improvement, engaging every student to become problem solvers and lifelong learners. Excellence is achieved through practices based in research, and by aligning all resources to support learning.

HIGH-WAGE, HIGH-SKILL, AND HIGH-DEMAND CAREERS

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

PROGRAM OF STUDY: CONSTRUCTION TECHNOLOGY

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
Choice Ready Planning	Advisory	Advisory	Advisory	Advisory
Language Arts	English Language Arts 1	English Language Arts 2	English Language Arts 3	English Language Arts 4
Math	Algebra I	Geometry	Algebra II	Precalculus and Trigonometry*
Science	Biology	Chemistry	Physics	Elective*
Social Studies	World Geography	Western Civilization	United States History	Government/Economics
Pathway Courses	Construction Tech/Woods I	Woods II/Pathway Elective	Building Trades I	Building Trades II
PE/Health 9 ELECTIVES 10-12	Health Physical Education	PE/Elective	PE/Elective	Electives
Recommended Electives: 2 per year	Pathway Electives: Drafting Design (0.5), Energy in Motion (0.5), PLTW Engineering Courses (1.0), Robotics (0.5), Computer Science (0.5), Graphics (0.5), Interior Design (0.5), Building Trades I (2.0), Building Trades II (2.0) Global Electives: Foreign Language (1.0), Music (1.0), Art (0.5), Public Speaking (0.5), Physical Education (0.5) or any other pathway elective in another Academy that has seats available.			

Student Leadership and Career and Technical Student Organization(s) – SkillsUSA

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

College & Career Experiences – Accessible to ALL Academy Program of Study Students

Community Speakers, Career Interest Inventory, College Application, College & Career Fair, College & Career Research, College and Career Speakers, College Presentations, Job Shadow, Mock Interviews, Personal Statements, Professional Interviews, Scholarship & Financial Aid, Senior Capstone, Ten Year Plan

Aligned Early Postsecondary Courses – Accessible to ALL Academy Program of Study Students

AP Seminar, AP Research, AP Lang & Comp, AP Lit & Comp, AP Biology, AP Chemistry, AP Environmental Science, AP Physics, Anatomy & Physiology, Microbiology, AP Calculus, College Algebra, Statistics, AP Human Geography, AP European History, AP U.S. History, AP U.S. Gov, AP Microeconomics, Building Trades Tech I, Building Trades Tech, Drafting, Welding I, Welding II

Professional Certification(s)

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Trade & Industry Coordinated Plan of Study – ND Scholarship

Construction Cluster

Course Name	Cr
Building Trades I	2
Building Trades II	2
Cooperative Work Experience	½ to 4

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?

North Dakota Architecture & Construction Related Post-Secondary 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)		