

Career Pathways

Exploration & Planning Guide

Educating all learners for tomorrow's world.



WEST FARGO
PUBLIC SCHOOLS



Career Planning

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Career exploration and experiences for all students to discover their passion!





A Message to Families!

Dear Learners, Families, and Community Members,

We often ask young people, *“What do you want to be when you grow up?”*

Today, the question is evolving into something far more meaningful:

“What do you know about yourself, and how will you use this to shape your future?”

Our mission—*Educating all learners for tomorrow’s world*—guides us as we build a system focused on Wellness, Academics, and preparing students to be Choice Ready. We envision a future where every learner is empowered to recognize strengths, discover passions, set goals, and pursue a personalized path that helps them thrive and contribute to their community.

From kindergarten through high school, students in West Fargo Public Schools experience a rich blend of academic learning, social-emotional support, extracurricular opportunities, and career awareness. Foundational skills build confidence and knowledge. Relationships and mentorship nurture well-being and self-belief. Clubs, athletics, and activities grow teamwork and leadership. Career-focused learning encourages curiosity, self-reflection, and goal-setting—inviting students to explore what excites them and what impact they hope to make.

Academic electives and career and technical education courses take this even deeper. Students engage in real-world projects, use industry-aligned technology, meet business partners, and explore postsecondary options. Through these experiences, they begin to see who they are, what they enjoy, and where their abilities can take them.

To support this journey, the **Career Pathways Guide** offers:

- an overview of the new career clusters and CTE program pathways
- course outlines available in West Fargo high schools
- tools connecting student interests to future opportunities
- information on college options, careers, and high-demand fields
- guidance for creating a thoughtful four-year high school plan
- graduation requirements, Choice Ready, ND scholarship details, and assessments
- contacts and resources to help learners take their next step

High school is a time filled with opportunity, and we want every student to make the most of it. This guide is designed to help families plan with purpose, build confidence, and prepare all West Fargo graduates to leave school **Choice Ready**—and inspired to pursue a future that fits them.

We are excited to support each learner as they explore, dream, and discover where their pathway can lead.

NORTH DAKOTA CHOICE READY

The North Dakota **CHOICE READY** framework is a tool to assist educators to ensure all students successfully depart high school possessing the **ESSENTIAL SKILLS** necessary to be ready for life. The journey begins by ensuring students leave having the **ESSENTIAL SKILLS** to be successful for whichever path they choose. Students shall then strive to be **POST-SECONDARY READY**, **WORKFORCE READY**, and/or **MILITARY READY**.



ESSENTIAL SKILLS

Earn a North Dakota high school diploma

Complete a 9-week Career Education Course/Individual Counseling (15.1-21-18), Financial Literacy (15.1-21-21), and pass ND Civics Test (15.1-21-27), Computer Science/Cybersecurity Requirement (15.1-21-02.2), and four or more additional indicators:

- 25 hours of Community Service
- Two or More Years in Organized Extra-Curricular Activities
- 95% Attendance (not counting school-related absences)
- Successfully Complete a Capstone Project
- Career Exploration Experience
- Successfully Complete an Online Learning Course
- Two or More Years in Organized Co-Curricular Activities
- Demonstrate Competency in 21st Century Skills
- Multicultural Awareness

Students shall then complete two or more of the **CHOICE READY** components below.



POST-SECONDARY READY

Complete a **Four-Year Rolling Career Plan**, and earn a **2.8 GPA or greater**, and complete one academic indicator set below:

ACT / SAT minimum or subsections scores or equivalent ND A+ score:

ACT English – 18*

ACT Reading – 22*

ACT Math – 21*

SAT Reading/Writing – 480*

SAT Math – 530*

*ND A+ equivalent score will be added once available

or

Two or more additional indicators:

- Advanced Placement Course (A, B, or C) or (4, 3, or 2)
- Dual Credit Course (A, B, or C) or (4, 3, or 2)
- Algebra II (A, B, or C) or (4, 3, or 2)
- Advanced Placement Exam (3+)
- International Baccalaureate Exam (4+)
- 3.0 GPA in core course requirement for NDUS admission
- CREAM (Eng./Math) Course (70% or greater)
- Complete three Fine Arts Courses (A, B, or C) or (4, 3, or 2)



WORKFORCE READY

Complete a **Four-Year Rolling Career Plan**, and complete two or more additional indicators:

- Complete three CTE courses or more (A, B, or C) or (4, 3, or 2)
- Complete Career Ready Practices (3.0)
- Dual Credit Course (A, B, or C) or (4, 3, or 2)
- WorkKeys (Gold or Silver)
- Technical Assessment/Industry Credential
- Workplace Learning Experience (40 hrs)
- Work-based Learning Experience (Perkins V) (40 hrs)
- ND A+ (Reading/Math) Mid-point Level 2 or higher (Math 1000) (ELA 975)
- Complete three World Language Courses (A, B, or C) or (4, 3, or 2)
- Complete 2 credits of teaching-related coursework or 2 semesters of Educators Rising



MILITARY READY

Complete a **Four-Year Rolling Career Plan** and obtain an **ASVAB score of 31 or greater** (as determined by branch), or acceptance into the military.

Quality Citizenship (No Expulsions/Suspensions)

Physically Fit (Successfully complete required PE courses (A, B, or C) or (4, 3, or 2))

and

Complete **two or more** additional indicators from the **Post-Secondary or Workforce** options

or

Complete two credits of JROTC or Civil Air Patrol

or

Complete **two credits** in the Military Pathway Program, selecting from the following 1/2 credit courses:

- Intro to Military Careers
- Military Health & Fitness
- ASVAB Essentials
- Career Foundations in Military Leadership
- Military Leadership Capstone

Revised October 2025

Choice Ready supports the North Dakota Department of Public Instruction’s mission “*All students will graduate Choice Ready with the knowledge, skills, and dispositions to be successful. The Choice Ready framework is inclusive of all students and helps them identify career clusters and related skills which will prepare and enhance success in any or multiple areas beyond high school.*” Although students are not required to graduate Choice Ready, West Fargo Public Schools are committed to graduating all students Choice Ready through its [Strategic Plan goals](#) and intentional K-12 activities targeting Academic, Wellness, and Choice Ready.

Essential Skills

Essential Skills are defined as those skills needed for work and life and can be critical in helping students to be successful in whatever they choose to do in their life.

- Learners must complete: 9-week career education course or career counseling, Financial Literacy, ND Civics Test, Computer Science/Cybersecurity Requirements
- Learners must also complete 4 of the 9 indicators listed in the Chart.

Post-secondary

Indicators outline the important knowledge performance levels that contribute to learner preparation to enroll and make a successful transition to college programming after high school.

Workforce Ready

Indicators outline the important knowledge and technical skills that may contribute to a student entering the workforce, apprenticeship, certificate, or associate degree programs after high school.

Military Ready

Indicators outline the important knowledge, physical skills, and leadership dispositions that may contribute to a learning entering the military or public service after high school.

West Fargo Graduation Requirements



The proper selection of courses by students is an important matter. It is vital to the students that each course should be carefully selected as an integral part of the student’s four-year educational plan. Course selections are equally important to the school district for upcoming staffing commitments. Therefore, changes in student course selections after July 1 will only be made in cases of extreme hardship. All changes must have the approval of the school assistant principals or principal.

Classes	Credits
English.....	4
Math.....	3
• At least 1 credit in Basic Math, Pre-Algebra, or Algebra I.	
Science	3
• Physical Science (or 1 year of Physics + 1 year of Chemistry), Biology, & 1 more course	
Physical Education	1.5
• Approximately 0.5 credit per year	
Health.....	0.5
Social Studies (listed below)	
• Social Studies Elective	0.5
• World History or AP European History.....	1
• US History	1
• US Government.....	0.5
• Economics.....	0.5
Required Credits	15.5
Elective Credits	7.5
• Out of 7.5 credits of electives, 3 must be a combination of World Language, Fine Arts, or Career & Technical Education courses	
Additional Requirements: Civic Exam, Computer Science & Cybersecurity, Financial Literacy	
Credits Required for Graduation	23.0

To qualify for graduation, a senior must have enrolled in a high school during grades 9, 10, 11 and 12 for four separate school year terms. An exception to this policy may be made for students if they have the approval of their parents and the principal. In addition, according to school board policy, students must have completed all requirements for the high school diploma in order to participate in commencement exercises.

Learners shall be enrolled each year in courses that will give them at least 6 credits unless the principal has granted permission to take a reduced load. Additional courses may be taken from the list of electives each year to meet the minimum requirements.

Learners must make an effort to make up any course failures through summer school or correspondence before the next fall term starts. Courses failed and not made up by the beginning of the next school year must be scheduled for that school year. Special permission must be obtained to take further courses in the same field until failures have been removed.

North Dakota

Resident Student Scholarship

In planning your future, every dollar counts!

WF 24-25
149 Eligible Students
= \$894,000

The North Dakota Scholarship was created during the 2021 Legislative Session by SB 2289. The North Dakota Scholarship aims to align scholarship requirements to the Choice Ready initiative and is worth \$6,000 to any student who meets the qualifications and plans to attend a college or university in North Dakota. The scholarship can also be applied to the cost of certification for welding, hair design, etc.


The North Dakota Scholarship has several components. The first component is essential skills. All students must fulfill the requirements of the essential skills in order to be eligible for the scholarship. The next three components are Post-Secondary Ready, Workforce Ready, and Military. Students must meet 2 of those 3 components to be eligible. Any student that meets the essential skill requirements, as well as 2 of the 3 (Post-Secondary Ready, Workforce Ready, and Military Ready) components qualifies for the North Dakota Scholarship.

Please see the North Dakota Scholarship Framework for specific details on the requirements of each component of the North Dakota Scholarship Requirements. Students or parents may monitor their progress by accessing the Choice Ready link within Powerschool. Eligible students must apply for the scholarship before the June 15th deadline and also may defer the scholarship for up to two years. See your counselor for more details.



NORTH DAKOTA SCHOLARSHIP as aligned to the Choice Ready Framework. The North Dakota Scholarship framework is a tool to assist educators in understanding the requirements of the ND Scholarship, as listed in North Dakota Century Code 15.1-21-02.10. Requirements begin with the ESSENTIAL SKILLS section. Students shall then strive to be POST-SECONDARY READY, WORKFORCE READY, and/or MILITARY READY, according to the requirements listed below.





ESSENTIAL SKILLS (15.1-21-02.10(5)) Check here when student has complete Essential Skills


Earn a **North Dakota high school diploma**

Complete a **9-week Career Education/Individual Counseling, 4-year Rolling Plan, pass ND Civics Test, earn a 3.0 or higher overall GPA, and four or more additional indicators:**

<input type="checkbox"/> 25 hours of Community Service	<input type="checkbox"/> Two or more years in organized Extra-Curricular Activities
<input type="checkbox"/> 95% Attendance (not counting school related absences)	<input type="checkbox"/> Successfully complete a Capstone Project
<input type="checkbox"/> Career Exploration Experience	<input type="checkbox"/> Successfully complete an online learning course
<input type="checkbox"/> Two or more years in organized Co-Curricular Activities	<input type="checkbox"/> Demonstrate competency in 21st Century Skills

Students shall achieve Essential Skills above, and complete two or more of the CHOICE READY components below to be eligible for the ND Scholarship.

Check here when student is Post-Secondary Ready



POST-SECONDARY READY

Complete both indicator sets below:

ACT/SAT minimum composite score:

ACT composite of 24 (or equivalent NDA+ score), or

SAT composite of 1180

and

Two or more additional indicators:

Advanced Placement Course (A, B, or C) (4, 3, or 2)

Dual Credit Course (English or Math) (A, B, or C) (4, 3, or 2)

Algebra II (A, B, or C) (4, 3, or 2)


Advanced Placement Exam (3+)

International Baccalaureate Exam(4+)

3.0 GPA in core course requirements for NDUS admission

3 fine arts courses (A, B, or c) (4, 3, or 2)

Check here when student is Workforce Ready



WORKFORCE READY

Complete both indicator sets below:

4 credits of CTE with 2 credits in the same plan of study, OR 3 credits of the same world, indigenous, or sign language, OR 2 credits of teaching-related coursework plus 2 credits of CTE, as defined in NDCC 15.1-21-02.10

ACT of 24 (or equivalent NDA+ score), or 5 or higher on all three WorkKeys tests or SAT composite of 1180

and

Two or more additional indicators:

Complete Career Ready Practices Course

Dual Credit Course (A, B, or C) (4, 3, or 2)


Technical Assessment/Industry Credential

Workplace Learning Experience (40 hrs.)

Work-based Learning Experience (Perkins V) (40 hrs.)

NDSA or NDA+(Reading/Math) Level 3 or greater

Check here when student is Military Ready



MILITARY READY

Complete both indicator sets below:

ASVAB score of 50 or greater, or ASVAB score of 31 or greater and have completed Basic Training;

Physically Fit – Successfully complete required PE courses (A, B, or C) (4, 3, or 2);

and one option below

Complete **two or more** additional indicators from the **Post-Secondary or Workforce options:**

2 credits of military coursework, as defined in NDCC 15.1-21-02.10

2 credits of JROTC

Complete Phase 1 of the Cadet Civil Air Patrol program

Who is eligible for the scholarship application?

- Students earning a GED are not eligible for the scholarship application.
- Home educated students are eligible for the scholarship application with verified documentation by completing the Home Education Transcript for the North Dakota Scholarship Program [SFN 60374](#), Home Education Verification for the Scholarship, and “Statement of Intent – Home Education Statutory Requirements” [SFN 16909](#) form that was filed with their school district for the past four years that their child was home-educated.
- Students receiving a diploma from the ND Center for Distance Education are eligible for scholarship application with verified documentation of all eligibility requirements.

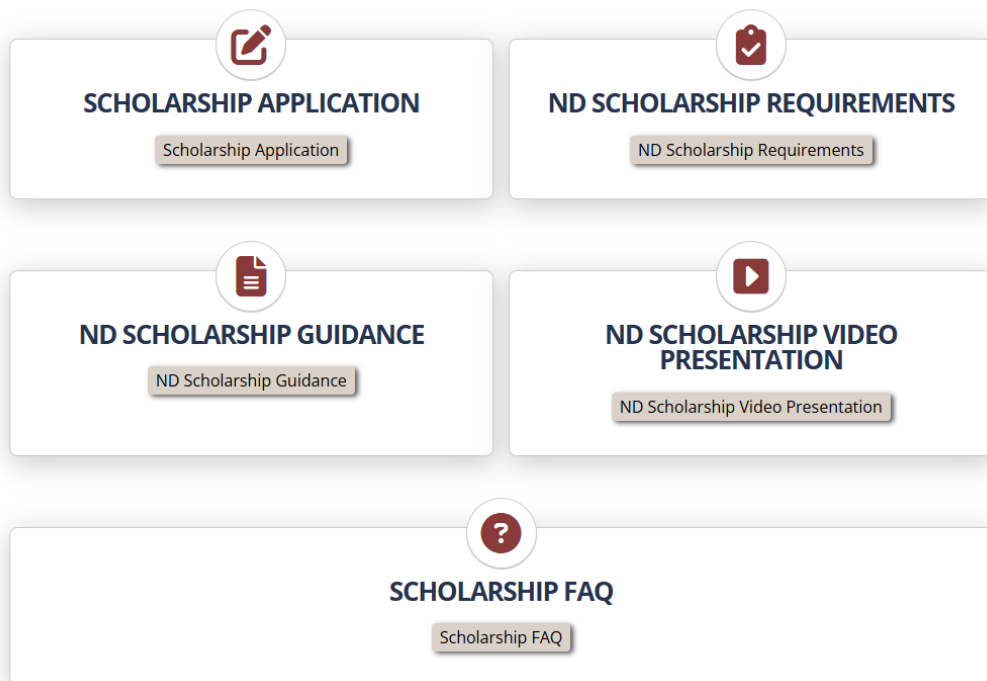
Verify North Dakota Scholarship indicators:

- Public schools need to ensure that the correct indicators are marked when they complete the Choice Ready report for each student. The due date for schools to complete the Choice Ready report is June 30. Any indicator that is not marked in the Choice Ready report will not be allowed to be used to meet scholarship eligibility criteria!
- Non-public schools need to complete and submit the Non-Public School Verification Form.
- Parents of home educated students need to complete, sign, have notarized, and submit the Home Education Verification Form.

GPA Scholarship calculation:

- Schools may NOT use a weighted grade for scholarship calculations.
- When calculating GPA for scholarship eligibility, grades must be converted to point values based on a non-weighted 4.0 scale.
- A school may use +’s and –’s when reporting grades.

[North Dakota Scholarship | North Dakota Department of Public Instruction](#) [Scholarship FAQ](#)

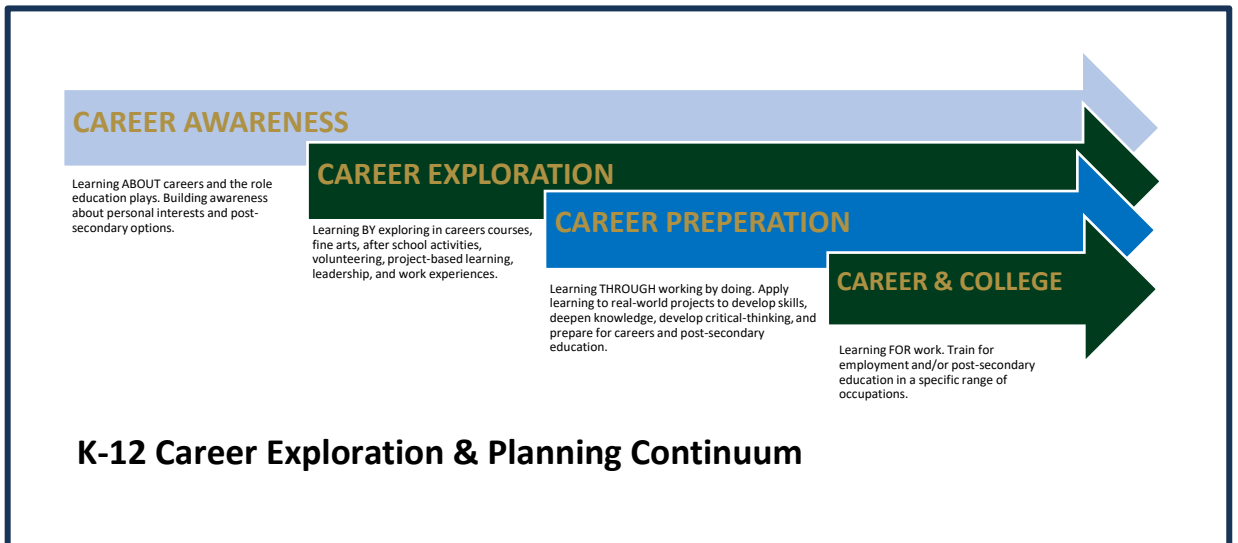


What are your passions?

Can you identify your strengths and skills?

What are your goals after high school?

At West Fargo Public Schools, all students participate in Career Education starting in kindergarten and continuing through graduation. Through classroom lessons, guidance activities, and grade-level experiences, students learn more about themselves, set goals, and reflect on their strengths, interests, and abilities. These experiences help students make confident, informed choices about their future.



Counselor and Career Advisor Connect

The mission of the secondary level counseling departments is to provide a comprehensive school counseling program that addresses the academic, career, and personal/social development of all students through a collaborative effort between the home, school, and community. The ultimate objective is to prepare students to be productive, well-rounded, informed, and responsible contributing to members of society. Learners may connect with their school counselor or career advisor for individual support throughout their high school planning experience.

<p>Community High School Counseling 701-499-3062 or counseling website</p>
<p>Horace High School Counseling 701-356-2070 or counseling website</p>
<p>Sheyenne High School Counseling 701-356-2160 or counseling website</p>
<p>West Fargo High School Counseling 701-356-2050 or counseling website</p>
<p>Virtual Academy 701-499-3068 or website</p>

How will you know which pathway is a good fit?

Interest inventories and surveys help learners uncover aptitudes. Results reviewed with the School Counselor, Career Advisor, and parents can guide learners on course selections that best align for exploration in a pathway. Part-time jobs, job shadowing, and volunteering in real world settings are a good way to gain valuable experience and insight into future career choices.

WEST FARGO K-12 CAREER EXPERIENCES

Career Awareness		Career Exploration	Career Preparation
K Career Lessons STEM & engineering	1st Career Lessons Field trip experiences	6th Career Cluster Interests & Passions Careers on Wheels	9th HS 101 & Career Lessons R U Ready Interest Profiler Career Expo & Research Pre-ACT, College Fair
2nd Career Lessons – traditional and nontraditional occupations Field trip experiences			
3rd Career Lessons PAWS - personal skills, interests and abilities Field trip experiences	4th Career Interest Inventory Careers choices based on my personal skills, interests and abilities Field trip experiences	7th Career Lessons & RU Ready Multiple Intelligences and Career Exploration MS Career course	10th Choice Ready & Career Lessons College Fair, Career Fair PSAT, ASVAB, Pre-ACT, or SAT
4th Career Interest Inventory Careers choices based on my personal skills, interests and abilities Field trip experiences			
5th Career Lessons – Develop skills to locate, evaluate and interpret careers Transition to Middle School			
		8th Career Lessons RU Ready Career Cluster Survey Goal Setting POS & 4-Year Plans ND State Scholarship awareness College Resources HS 101 transition	11th Cybersecurity & Career Lessons Personality Inventory PSAT, ACT, SAT optional Mock Interviews College Fair & Career Fair
			12th Senior Profile of a Graduate Senior Meetings College Application WorkKeys optional

The Four-Year Rolling Plan

- Learners complete career interest assessments and view results through www.ruready.nd.gov.
- Meetings with School Counselors and/or Career Advisors support learners to find the career pathway that most closely matches interests and skills.
- The WFPS Course Catalog and pathway resources are used to complete a 4-Year Plan which includes required courses and career specific electives toward a coordinated plan.
- Learners will use the 4-Year Plan throughout the high school experience as they revise interests and select courses toward career goals and as they plan for college, work, military, or public service.
- All learners are encouraged to explore leadership activities, volunteerism, extra-curricular activities, Career & Technical Education (CTE) courses, academic electives, Advanced Placement (AP), and Dual Credit (DC) college courses related to the career pathway of Choice.

Important Assessments for College and Career Planning

PreACT™ is a multiple-choice assessment that helps students prepare for the experience of taking the ACT® test and provides information regarding their future performance on the exam.

ASVAB is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military and civilian careers.

ACT® college readiness assessment is a standardized test for high school achievement and college admissions in the United States.

SAT measures critical reading skills, math problem-solving skills and writing skills.

WorkKeys® Assessments measure foundational skills required for success in the workplace. The three WorkKeys exams are Workplace Documents, Graphic Literacy, and Applied Mathematics.

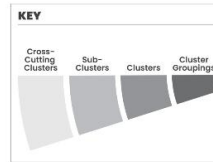
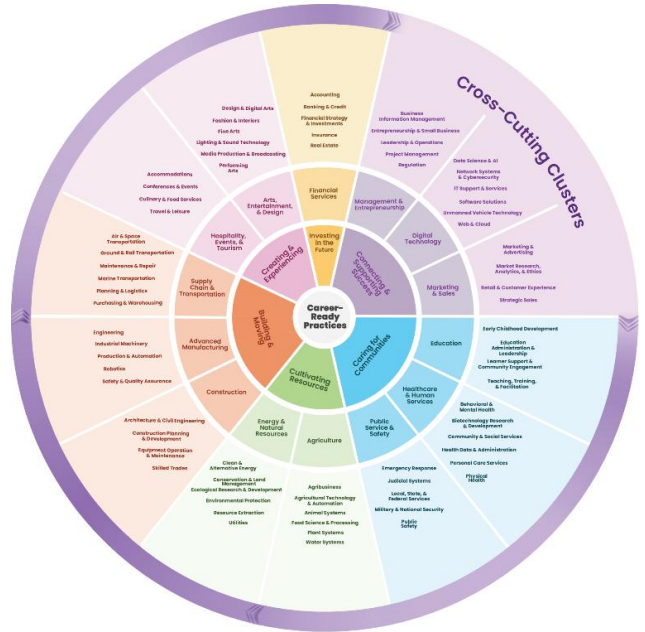
CAREER PLANNING

National & State Modernized Career Clusters



The NEW modern [career cluster framework](#) serves as the primary organizing structure for CTE programs. The [wheel](#) has broken the clusters into

- 14 Clusters that align with most CTE programs or pathways,
- 72 Sub-Clusters Clusters which share common interests, skills, and strengths.
- 3 Cross-Cutting Clusters provide both skills and careers that can stand alone and intersect with all Career Clusters.
- 6 Cluster Groupings organize career clusters that intersect career skills.
- 12 Career-Ready Practices are professional skills essential to every career and life.



Pathways to College & Career Readiness

Caring for Communities	Building & Moving	Connecting & Supporting Success**
<p>Education Early Childhood Development Education Administration & Leadership Learner Support & Community Engagement Teaching, Training, & Facilitation</p> <p>Healthcare & Human Services Behavioral & Mental Health Biotechnology Research & Development Community & Social Services Health Data & Administration Personal Care Services Physical Health</p> <p>Public Service & Safety Emergency Response Judicial Systems Local, State, & Federal Services Military & National Security Public Safety</p>	<p>Advanced Manufacturing Engineering Industrial Machinery Production & Automation Robotics Safety & Quality Assurance</p> <p>Construction Architecture & Civil Engineering Construction Planning & Development Equipment Operation & Maintenance Skilled Trades</p> <p>Supply Chain & Transportation Air & Space Transportation Ground & Rail Transportation Maintenance & Repair Marine Transportation Planning & Logistics Purchasing & Warehousing</p>	<p>Digital Technology** Data Science & AI IT Support & Services Network Systems & Cybersecurity Software Solutions Unmanned Vehicle Technology Web & Cloud</p> <p>Management & Entrepreneurship** Business Information Management Entrepreneurship & Small Business Leadership & Operations Project Management Regulation</p> <p>Marketing & Sales** Market Research, Analytics, & Ethics Marketing & Advertising Retail & Customer Experience Strategic Sales</p>
Creating & Experiencing	Cultivating Resources	Investing in the Future
<p>Arts, Entertainment, & Design Design & Digital Arts Fashion & Interiors Fine Arts Lighting & Sound Technology Media Production & Broadcasting Performing Arts</p> <p>Hospitality, Events, & Tourism Accommodations Conferences & Events Culinary & Food Services Travel & Leisure</p>	<p>Agriculture Agribusiness Agricultural Technology & Automation Animal Systems Food Science & Processing Plant Systems Water Systems</p> <p>Energy & Natural Resources Clean & Alternative Energy Conservation & Land Management Ecological Research & Development Environmental Protection Resource Extraction Utilities</p>	<p>Financial Services Accounting Banking & Credit Financial Strategy & Investments Insurance Real Estate</p>

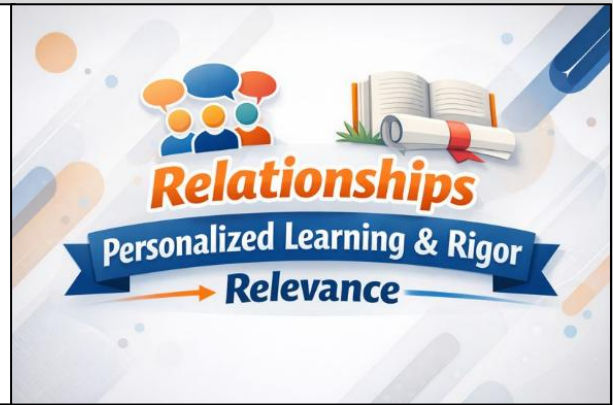
****Cross-Cutting Clusters**
Denote careers that overlap in all industries, highlighting the versatile and interconnected nature of today's workforce. These careers can stand on their own or be contextualized in each Cluster and emphasize the need for adaptability in navigating the modern economy.

Notes:
Clusters are listed in alphabetical order. Clusters and Sub-Clusters represent the entire world of work (see definitions).

14 Career Clusters	
Advanced Manufacturing	Education
Construction	Healthcare & Human Services
Supply Chain & Transportation	Public Service & Safety
Arts, Entertainment & Design	Agriculture
Hospitality, Events, & Tourism	Energy & Natural Resources
Financial Services	Digital Technology
Marketing & Sales	
Management & Entrepreneurship	

With many paths to success, learners are not limited to a single pathway. They are encouraged to explore areas of interest, discover passions—or simply learn what they enjoy and what they do not—which is an important part of making informed, future-ready decisions.

As learners gain experiences, they develop a stronger understanding of themselves and the options available to them. This awareness helps them recognize that the career journey includes many on-ramps and off-ramps, empowering them to make thoughtful choices throughout their lives.



An academy model is an academic structure designed to create smaller learning communities for learner relationships, teacher collaboration, career-connections, college-aligned rigor, and community partnerships. The model offers learner support, personalized learning, advanced coursework, intentional career pathway planning, business connections, a freshman experience, and senior profile. Activities prepare all learners for life, careers, post-secondary, or military pathways. Each WFPS high school is preparing today’s learning for tomorrow’s world through academy pillars that align with their school goals and staffing structures to meet learners at their level and advance them toward Choice Ready graduation.

Pathways to High School Success

<p>Small Learning Communities</p>  <p>Collaborative PLCs, Advisory & Academy Support</p>	<p>Freshman Experience</p>  <p>Transition Programs & High School 101</p>	<p>Career Connected</p>  <p>Choice Ready Planning & Pathway Guidance</p>
<p>College Aligned</p>  <p>AP Courses, Dual Credit & Electives</p>	<p>Business Partnerships</p>  <p>Work-Based Learning & Community Connections</p>	<p>Senior Capstone</p>  <p>Projects & Presentations for Graduation</p>

Horace High School – Academy Model

Sheyenne High School – Career & College Pathways

West Fargo High School – AVID Demonstration & 9th Grade Cohort

[Academies of West Fargo - West Fargo 6 School District video](https://www.west-fargo.k12.nd.us/teaching-learning/ap-dual-credit/academies-of-west-fargo)

<https://www.west-fargo.k12.nd.us/teaching-learning/ap-dual-credit/academies-of-west-fargo>

Talk to your principal or school counselors to learn more.

Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
Agribusiness Systems	Sales Manager • Ag Lender • Ag Economist • Ag Products Buyer/Distributor • Feed-Supply Store Manager • Farm Investment Manager • Ag Commodity Broker
Animal Systems	Wildlife Biologist • Animal Nutritionist • Livestock Buyer • Livestock Geneticist • Veterinarian • USDA Inspector • Aquaculturist • Equine Manager
Environmental Service Systems	Pollution Prevention Technician • Hazardous Materials Handler • Water Quality Manager • Health and Safety Sanitarian • Toxicologist
Food Products & Processing Systems	Food Scientist • Quality Control Specialist • Biochemist-Nutritionist • Dietician • Microbiologist • Bacteriologist • Food and Fiber Engineer • Produce Buyer
Natural Resources Systems	Park Manager • Range Technician • Ecologist • Fish & Game Officer • Forest Technician • Geology Technician • Mining Engineers • Hydrologist
Plant Systems	Soil/Water Specialist • Botanist • Tree Surgeon • Plant Pathologist • Commodity Marketing Specialist • Golf Course Superintendent • Custom Hay/Silage Operator
Power, Structural & Technical Systems	Remote Sensing Specialist • Equipment/Parts Manager • Welder • GPS Technician • Machinist • Heavy Equipment Maintenance Technician

Agricultural Education		
Environmental Services or Plant Systems		
Course Name	MIS03	Cr
Intro to Agriculture (video conference)	01011	.5
Plant Science I (video conference)	01053	.5
Plant Science II (video conference)	01054	.5
World & International Agriculture (online)	01069	.5
Agriculture Cooperative Work Experience	01999	.5-4

Agricultural Education		
Animal & Food Sciences		
Course Name	MIS03	Cr
Intro to Agriculture	01011	.5
Small Animal & Livestock Care	01066/01061	.5
Veterinary Science	01067	.5
Plant & Meat Processing	01068	.5
Agriculture Cooperative Work Experience	01999	.5-4

Other Electives to Consider for Agriculture Pathway Preparation
<p>CTE Electives</p> <p>Business Computer Applications, Web Design Business and Financial Literacy, Accounting Marketing, Management/Entrepreneurship Discovering Foods, Culinary Academy Drafting & Architecture Intro to Engineering Design, Principles of Engineering Manufacturing Woods I, II Welding I, II</p> <p>Academic Electives</p> <p>Workforce Ready Math World Languages AP Biology, Anatomy/Physiology Environmental Science Genetics, Earth Science, Field Biology</p>

Is this Pathway for you?

- Do you get satisfaction from helping people, animals and/or the environment?
- Are you interested in how things grow and make the best use of the earth's natural resources?
- Are you curious about how machines and systems work?
- Are you someone who likes to work with data to solve problems?
- Are you interested in science and enjoy spending time with nature?
- Do you like to be outdoors in all kinds of weather?
- Are you comfortable with situations that are unpredictable and rapidly changing?
- Do you like to plan, work with budgets, and keep records?



North Dakota Agriculture, Food & Natural Resources Related Postsecondary Programs

Pathway	Certificate or Associate's Degree	Bachelor's Degree	Master's Degree or More
Agribusiness Systems	<input type="checkbox"/> Agriculture (BSC, DCB, NDSCS) <input type="checkbox"/> Agricultural Sales and Service (DSU) <input type="checkbox"/> Agriculture transfer (BSC, DCB, NDSCS, WSC) <input type="checkbox"/> Farm/Ranch Management (BSC, DSU, NDSCS) <input type="checkbox"/> Precision Agriculture (LRSC)	<input type="checkbox"/> Agribusiness (NDSU, VCSU) <input type="checkbox"/> Agricultural and Biosystems Engineering (NDSU) <input type="checkbox"/> Agricultural Communication (NDSU) <input type="checkbox"/> Agricultural Economics (NDSU) <input type="checkbox"/> Agricultural Education (NDSU) <input type="checkbox"/> Agricultural Studies (DSU) <input type="checkbox"/> Agricultural Systems Management (NDSU) <input type="checkbox"/> General Agriculture (NDSU)	<input type="checkbox"/> Agribusiness and Applied Economics (NDSU) <input type="checkbox"/> Agricultural and Biosystems Engineering (NDSU) <input type="checkbox"/> Agricultural Education (NDSU) <input type="checkbox"/> International Agribusiness (NDSU)
Animal Systems	<input type="checkbox"/> Animal Science (NDSCS) <input type="checkbox"/> Pre-Veterinary Medicine transfer (BSC, DCB, TMCC) <input type="checkbox"/> Wildlife Management (DCB, NDSCS, TMCC)	<input type="checkbox"/> Animal Science (NDSU) <input type="checkbox"/> Equine Science (NDSU) <input type="checkbox"/> Fisheries and Wildlife Science (UND, VCSU) <input type="checkbox"/> Vet Technology (NDSU)	<input type="checkbox"/> Animal Science (NDSU)
Environmental Service Systems	<input type="checkbox"/> Energy Technician (SBC) <input type="checkbox"/> Environmental Science/Technology (CCCC, DCB, NHSC, SBC, TMCC, UTTC) <input type="checkbox"/> Water & Wastewater Treatment (BSC)	<input type="checkbox"/> Energy Management (BSC) <input type="checkbox"/> Environmental Design (NDSU) <input type="checkbox"/> Environmental Science (DSU, NHSC, SBC)	<input type="checkbox"/> Environmental and Conservation Science (NDSU) <input type="checkbox"/> Environmental Science (SBC) <input type="checkbox"/> Environmental Engineering (NDSU, UND)
Food Products & Processing Systems		<input type="checkbox"/> Food Safety (NDSU) <input type="checkbox"/> Food Science (NDSU)	<input type="checkbox"/> Cereal Science (NDSU) <input type="checkbox"/> Food Safety (NDSU)
Natural Resources Systems	<input type="checkbox"/> Land Management (DCB) <input type="checkbox"/> Natural Resources Management (CCCC)	<input type="checkbox"/> Natural Resources Management (NDSU)	<input type="checkbox"/> Natural Resources Management (NDSU) <input type="checkbox"/> Sustainable Energy Engineering (UND)
Plant Systems	<input type="checkbox"/> Agriculture Industry and Technology-Agronomy (BSC) <input type="checkbox"/> Crop Production Sales & Technology (NDSCS) <input type="checkbox"/> Forestry (DCB) <input type="checkbox"/> Horticulture (DCB) <input type="checkbox"/> Sustainable Vegetable Production (DCB)	<input type="checkbox"/> Botany (NDSU) <input type="checkbox"/> Crop and Weed Sciences (NDSU) <input type="checkbox"/> Horticulture (NDSU) <input type="checkbox"/> Range Science (NDSU) <input type="checkbox"/> Soil Science (NDSU) <input type="checkbox"/> Sports and Urban Turfgrass Management (NDSU)	<input type="checkbox"/> Botany (NDSU) <input type="checkbox"/> Horticulture (NDSU) <input type="checkbox"/> Plant Pathology (NDSU) <input type="checkbox"/> Plant Sciences (NDSU) <input type="checkbox"/> Range Science (NDSU) <input type="checkbox"/> Soil Science (NDSU)
Power, Structure, & Technical Systems	<input type="checkbox"/> Caterpillar Dealer Service Technician (NDSCS) <input type="checkbox"/> Diesel Technology: Case IH, Gen. Diesel, Komatsu (NDSCS) <input type="checkbox"/> John Deere Tech (NDSCS) <input type="checkbox"/> Nuclear Power Technology (BSC) <input type="checkbox"/> Oil Drilling/Operations (NHSC, SBC, TMCC) <input type="checkbox"/> Petroleum Engineering Technology (BSC) <input type="checkbox"/> Petroleum Production Technology (BSC, WSC) <input type="checkbox"/> Power Plant Technology (BSC) <input type="checkbox"/> Process Plant Technology (BSC, TMCC) <input type="checkbox"/> Renewable Generation Technology (BSC) <input type="checkbox"/> Wind Energy Technician (LRSC)	<input type="checkbox"/> Energy Management (BSC)	



The National FFA Organization is a local, state, and national co-curricular student association serving high school, college and middle school students enrolled in Agriculture Education courses. The National FFA is dedicated to making a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. Fargo students enrolled in agriculture courses in collaboration with Northern Cass or Central Cass Agriculture Education will have the opportunity to participate in the National FFA Chapter. Contact your FFA Advisor to join.

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 (Construction I)	2
Building Trades II (Construction II)	2
Cooperative Work Experience	.5 to 4

Heavy Equipment Operations

Construction Equipment Exploration	.5
Construction Occupational Math	.5
Equipment Fundamentals	.5
Basic Maintenance of Mobile Equipment	.5
Cooperative Work Experience	.5 to 4

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

CTE Electives

Woods I, II
Construction Technology
Intro to Engineering, Drafting & Architecture
Business Computer Applications, Business and Financial Literacy
Fundamentals of Business
Marketing
Interior Decorating & Design
Living on Your Own

Academic Electives

Arts, Consumer Math; Geometry, Workforce Ready Math
Environmental Science, Earth Science
Public Speaking



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) <input type="checkbox"/> Heavy Equipment Operations (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.

Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
Audio and Video Technology and Film	Audio Systems Technician • Audio-Video Designer and Engineer • Technical Computer Support • Videographer • Special Effects and Animation Designer Technician
Journalism and Broadcasting	Control Room Technician • Design Director • Broadcast Technician • Editor • Producer • Station Manager • Audio-Video Operator
Performing Arts	Actor/Actress • Lighting Designer • Scenic Designer • Musician • Composer • Makeup Artist • Playwright • Digital, Video and State Production Manager
Printing Technology	Desktop Publishing Specialist • Computer Typography • Pre-production Technician • Plate Maker • Graphics Equipment Operator • Web Page Designer • Lithographer
Telecommunications	Network Designer • Telecommunications Technician • Telecommunication Equipment: Cable, Line Repair and Installation • Computer Programmer and Systems Analyst
Visual Arts	Fashion Designer • Commercial Artist • Commercial Photographer: Digital, Still, Video, Film • Illustrator • Textile Designer • Interior Designer • Computer Animator



Arts, AV Technology & Communication Coordinated Plan of Study	
Visual Arts (Graphics)	
Course Name	Cr
Photography I	.5
Photography II	.5
Graphic Communications I	.5
Graphic Communications II	.5
Video Production	1
Cooperative Work Experience	1
Students must earn at least 2 credits in a CTE pathway and 2 additional CTE credits to qualify for the CTE Scholarship	

Is this Pathway for you?

- Do ideas inspire you to create?
- Are you passionate to overcome obstacles?
- Do you find multiple ways to express your creativity?
- Do you like to communicate your ideas?
- Do you enjoy drawing, performing or writing stories?
- Do you seek opportunities to learn about and be engaged in history or culture?
- Does the idea of working in or being a part of a community that creates excite you?
- Do you enjoy exploring new technologies?
- Are you able to communicate your ideas to diverse audiences?

Other Electives to Consider for Arts, AV Technology, & Communication Pathway Preparation
<p>CTE Electives</p> <p>Fundamentals of Business Marketing Management and Entrepreneurship Interior Decorating & Design Living on Your Own</p> <p>Academic Electives</p> <p>Drama, Theatre Arts, Advanced Theatre Arts Art I, II, Art Appreciation, Art Trends Ceramics I, II, III Drawing, Painting, and Design Consumer Math; Geometry Environmental Science, Earth Science Public Speaking</p>



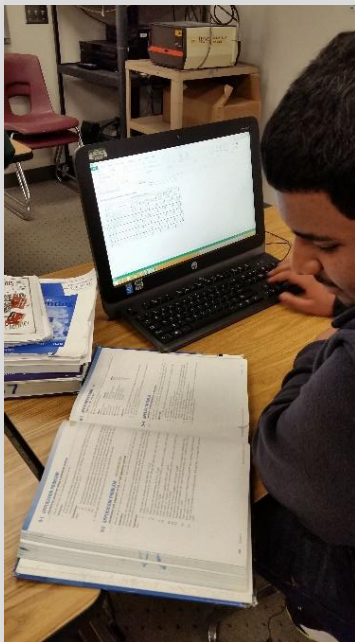
North Dakota Arts, A/V Technology & Communications Related Postsecondary Programs

Pathway	Certificate or Associate's Degree	Bachelor's Degree	Master's Degree or More
Audio and Video Technology and Film	<input type="checkbox"/> Digital Audio Production (BSC) <input type="checkbox"/> Web Page Development and Design (BSC, NDSCS)	<input type="checkbox"/> Multimedia Studies (MiSU) <input type="checkbox"/> New Media & Web Design (NDSU)	<input type="checkbox"/> Library/Information Technology (VCSU)
Journalism and Broadcasting	<input type="checkbox"/> English transfer (BSC, DCB, TMCC) <input type="checkbox"/> Mass Communications (BSC) <input type="checkbox"/> Speech Communication transfer (BSC)	<input type="checkbox"/> Broadcasting (MiSU) <input type="checkbox"/> Communication (DSU, MaSU, MiSU, UJ, UND, VCSU) <input type="checkbox"/> English (DSU, MaSU, MiSU, NDSU, UJ, UM, UND, VCSU) <input type="checkbox"/> English Education (DSU, MaSU, MiSU, NDSU, UM, VCSU) <input type="checkbox"/> Journalism/Professional Writing (NDSU) <input type="checkbox"/> Mass Communications (UM)	<input type="checkbox"/> Communication (NDSU) <input type="checkbox"/> English (NDSU) <input type="checkbox"/> Mass Communications (NDSU) <input type="checkbox"/> Speech Communication (NDSU)
Performing Arts	<input type="checkbox"/> Music transfer (BSC, NDSCS, TMCC, WSC) <input type="checkbox"/> Theatre Arts - Performance (BSC) <input type="checkbox"/> Theatre Arts – Technical Theatre (BSC)	<input type="checkbox"/> Music (DSU, MiSU, NDSU, UJ, UM, UND, VCSU) <input type="checkbox"/> Music Education (DSU, MiSU, UM, UND, VCSU) <input type="checkbox"/> Music Performance (UM, UND) <input type="checkbox"/> Musical Theatre (UND) <input type="checkbox"/> Theatre Arts (DSU, MiSU, NDSU, UND) <input type="checkbox"/> Theatre Education (MiSU)	<input type="checkbox"/> Music (NDSU, UND) <input type="checkbox"/> Theatre Arts (NDSU)
Printing Technology		<input type="checkbox"/> Print Communications Concentration (MiSU)	
Telecommunications	<input type="checkbox"/> Electronics Technology (BSC) <input type="checkbox"/> Electronics/Telecommunications Technology (BSC)	<input type="checkbox"/> Communication (DSU, MaSU, MiSU, UJ, UND, VCSU) <input type="checkbox"/> Strategic Communication (NDSU)	
Visual Arts	<input type="checkbox"/> Art transfer (DCB, TMCC) <input type="checkbox"/> Fine Art (CCCC) <input type="checkbox"/> Graphic Arts/Design (CCCC, RC, UTTC) <input type="checkbox"/> Graphic Design & Communications (BSC) <input type="checkbox"/> Photography (DCB) <input type="checkbox"/> Visual Art transfer (BSC)	<input type="checkbox"/> Apparel, Retail Merchandising, and Design (NDSU) <input type="checkbox"/> Art/Art Studies (DSU, MiSU, NDSU, UJ, VCSU) <input type="checkbox"/> Arts Administration (MiSU) <input type="checkbox"/> Art Education (DSU, MiSU, NDSU, VCSU) <input type="checkbox"/> Art Entrepreneurship (DSU) <input type="checkbox"/> Fine Arts (MiSU) <input type="checkbox"/> Graphic Design (RC) <input type="checkbox"/> Graphic Design & New Art Media (UND) <input type="checkbox"/> Graphic Design Technology (UND) <input type="checkbox"/> Interior Design (NDSU) <input type="checkbox"/> Visual Arts (UND)	<input type="checkbox"/> Visual Arts (UND)



The Technology Student Association is a local, state, and national student organization created to develop skills in science, technology, engineering, and mathematics as well as business education. TSA aims to develop leadership, academic, and business management skills in the workplace among students and leaders within the community. Students currently or previously enrolled in Technology & Engineering courses join TSA and extend their learning and leadership through intra-curricular activities, and competitions. Contact your school's TSA Advisor to get involved.

Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
Administrative Support	Administrative Assistant • Office Manager • Customer Service Assistant • Desktop Publisher • Data Entry Specialist • Receptionist • Medical Transcriptionist • Legal Secretary
Business Information Management	Information Systems Manager • Accounting Clerk or Supervisor • Adjuster • Chief Technology Officer • Budget Analyst • Auditor • Business Consultant
General Management	General Manager • Business & Development Manager • Risk Manager • Public Relations Manager • Chief Executive Officer • Entrepreneur
Human Resources Management	Human Resource Manager • Industrial Relations Director • Compensation & Benefits Manager • Corporate Trainer • Personnel Recruiter • Public Relations Manager
Operations Management	Training & Development Manager • Sales Representative or Manager • Budget Analyst • Research & Development Manager • E-Commerce Analyst



Business Education – Coordinated Plan of Study					
Business Management & Administration				Finance	
Administrative Support		General Management		Accounting	
Course Name	Cr	Course Name	Cr	Course Name	Cr
Business Computer Applications	.5	Business Computer Applications	.5	Business Computer Applications	.5
Fundamentals of Business	.5	Business & Financial Literacy (14095)	.5	Business & Financial Literacy (14095)	.5
Accounting I & II	1	Accounting I & II	1	Accounting I & II	1
Accounting III & IV	1	Accounting III & IV	1	Accounting III & IV	1
Web Design	.5	Fund of Business	.5	Fund of Business	.5
Adv. Web Design (14022)	.5	Business Law (14090)	.5	Business Law	.5
Students must earn at least 2 credits in a CTE pathway and 2 additional CTE credits to qualify for the CTE Scholarship					

Is this Pathway for you?

- Are you someone who likes to work with data to solve problems?
- Do you like to interact with all kinds of people?
- Do you like to come up with new ideas?
- Do you like to follow directions to complete a task?
- Do you consider yourself a leader who could be part of a team?
- Are you interested in technology and its ongoing innovation?
- Have you ever dreamed of owning your own business?
- Do you enjoy using math to solve problems?
- Are you able to communicate your ideas to diverse audiences?

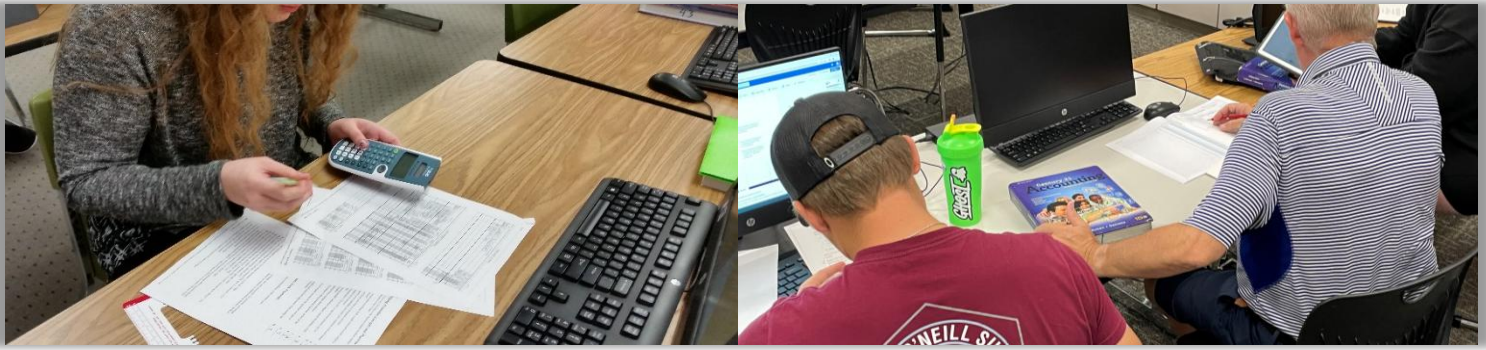
Other Electives to Consider for Business Education Pathway Preparation

CTE Electives

IT Essentials I, II, Intro to Programming
Family Living, Food Trends, Culinary Arts
Entertainment and Sports Marketing, Marketing, Store Manager, Management/Entrepreneurship
Photography I, II, Graphic Communication I & II, Video Production

Academic Electives

Consumer Math, Workforce Ready Math, AP Math
Communications; Creative Writing, Yearbook
World Languages
Microeconomics, Publications/Media
Psychology I, II, Sociology
Public Speaking, Debate



North Dakota Business Management & Administration Related Postsecondary Programs

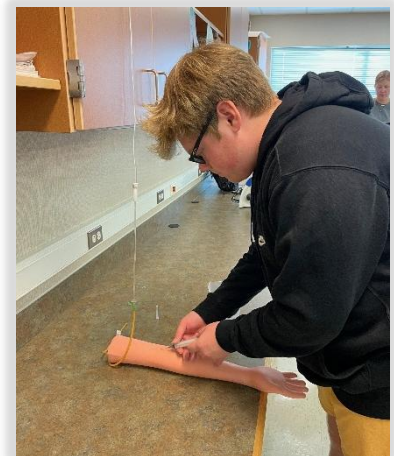
Pathway	Certificate or Associate's Degree	Bachelor's Degree	Master's Degree or More
Administrative Support	<input type="checkbox"/> Administrative Assistant (BSC, DCB, LRSC, NHSC) <input type="checkbox"/> Bookkeeping (DCB) <input type="checkbox"/> Business/Office Technology (CCCC, NDSCS, SBC, UTTC) <input type="checkbox"/> Computer Applications (CCCC) <input type="checkbox"/> Computer Support Specialist (BSC, TMCC) <input type="checkbox"/> Office Administration (BJCC, DSU) <input type="checkbox"/> Reception Services (DCB)		
Business Information Management	<input type="checkbox"/> Business Management (MaSU, NDSCS, RC, UTTC, WSC) <input type="checkbox"/> Computer Information Systems (BSC, DCB, NDSCS) <input type="checkbox"/> Information Processing Specialist (BSC) <input type="checkbox"/> Information Tech/Management (DCB, LRSC, NDSCS, NHSC, RC, SBC, WSC) <input type="checkbox"/> Management Information Systems (NDSCS) <input type="checkbox"/> Small Business Management (DCB)	<input type="checkbox"/> Applied Business Information Technology (MiSU) <input type="checkbox"/> Business Communication (UM) <input type="checkbox"/> Business Process Integration Management (VCSU) <input type="checkbox"/> Computer Information Systems (MaSU, UM, UND) <input type="checkbox"/> Information Technology Management (RC, UM) <input type="checkbox"/> Management Communication (NDSU) <input type="checkbox"/> Management Information Systems (MiSU, NDSU)	<input type="checkbox"/> Information Systems (MISU)
General Management	<input type="checkbox"/> Business Administration transfer (BSC, CCCC, DCB, LRSC, NDSCS, NHSC, SBC, TBC, TMCC) <input type="checkbox"/> Business Education transfer (BSC, DCB) <input type="checkbox"/> Computer Support Specialist (BSC, TMCC) <input type="checkbox"/> Entrepreneurship (BSC, CCCC, NDSCS, SBC, TMCC) <input type="checkbox"/> Management (BSC)	<input type="checkbox"/> Applied Management (MiSU) <input type="checkbox"/> Business Administration (DSU, MaSU, NDSU, SBC, TBC, UTTC, UJ, UM, VCSU) <input type="checkbox"/> Business Education (DSU, MiSU, UM, VCSU) <input type="checkbox"/> Entrepreneurship (UND) <input type="checkbox"/> International Business (MiSU) <input type="checkbox"/> Management (MiSU, NDSU, RC, UND, VCSU) <input type="checkbox"/> Public Administration (UND)	<input type="checkbox"/> Business (UM) <input type="checkbox"/> Business Administration (NDSU, UM, UND) <input type="checkbox"/> Management (MiSU) <input type="checkbox"/> Project Management (UM) <input type="checkbox"/> Public Administration (UM, UND)
Human Resources Management	<input type="checkbox"/> HR and Organizational Leadership (RC)	<input type="checkbox"/> Human Resource Management (DSU, UND, VCSU) <input type="checkbox"/> Human Resources and Organizational Leadership (RC)	
Operations Management		<input type="checkbox"/> Business Economics (UND) <input type="checkbox"/> Business Management (RC, UM) <input type="checkbox"/> Business Systems Analysis (RC) <input type="checkbox"/> Management Communication (NDSU) <input type="checkbox"/> Operations & Supply Chain Management (UND)	



Future Business Leaders of America is a co-curricular student organization for students enrolled in Business Education courses. FBLA inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences. FBLA focuses on leadership development, academic competitions, high school programs, membership benefits, community services, and awards. Contact your high school FBLA Advisor to learn what it takes to become a member.

Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
Biotechnology Research & Development	Research Scientist/Assistant • Microbiologist • Biostatistician • Cell Biologist • Biomedical Chemist • Geneticist • Genetics Lab Assistant • Quality Assurance Technician
Diagnostic Services	Clinical Lab Technician • Phlebotomist • Geneticist • Nutritionist • Magnetic Resonance (MR) Technologist • Radiologist • Pathologist • Exercise Physiologist
Health Informatics	Health Information Coder • Admitting Clerk • Transcriptionist • Medical Librarian • Public Health Educator • Ethicist • Medical Assistant • Epidemiologist
Support Services	Dietary Aide • Hospital Maintenance Engineer • Environmental Services Manager • Industrial Hygienist • Biomedical Engineer • Transport Technician
Therapeutic Services	Dental Assistant/Hygienist • Occupational Therapist • EMT/Paramedic • Physician • Nurse • Veterinarian • Social Worker • Massage Therapist • Physical Therapist • Pharmacist

Health Science Coordinated Plan of Study			
Therapeutic Services		Biotechnology Research	
Course Name	Cr	Course Name	Cr
Certified Nurse Assistant	.5	*PLTW Principles of Biomedical Science	1
Emergency Medical Responder	.5	**PLTW Human Body Systems	1
Emergency Medical Services	.5	**PLTW Medical Interventions	1
Emergency Medical Technician			
Health Science I	1		
Health Science II	.5	** Horace High School	
Medical Terminology Online	.5	*Horace and Sheyenne High School	
Pharmacy Technician	1		
Prevention and Care of Athletic Injuries (<i>Dual Credit</i>)	.5		
Supervised Occupational Experience			.5 to 4



Is this Pathway for you?

- Do you get satisfaction from helping people, animals, and/or the environment?
- Do you enjoy dealing with a problem that isn't easily solved or doesn't have the correct answer?
- Are you comfortable with situations that are unpredictable and rapidly changing?
- Are you interested in math and science?
- Do you like listening and working with others who have differing viewpoints?
- Do you enjoy puzzles, exploring and solving problems?
- Can you respond quickly and calmly in unexpected situations?
- Do you like to volunteer and do service work that focuses on helping other people or the environment?

Other Electives to Consider for Health Science Pathway Preparation

CTE Electives

- Business Computer Applications
- Child Development
- Food Trends
- Intro to Engineering Design, Principles of Engineering
- Marketing
- Management/Entrepreneurship

Academic Electives

- Communications
- World Languages
- Advanced Math, Pre-Calculus, AP Calculus
- Anatomy/Physiology
- AP Biology, AP Chemistry, AP Physics I
- Psychology I, II
- Public Speaking
- Sociology



North Dakota Health Science Related Postsecondary Programs

Pathway	Certificate or Associate's Degree	Bachelor's Degree	Master's Degree or More
Biotechnology Research & Development	<input type="checkbox"/> Biotechnology transfer (NDSCS) <input type="checkbox"/> Pharmacy Technician (NDSCS, RC, TMCC)	<input type="checkbox"/> Bioinformatics (MiSU) <input type="checkbox"/> Biotechnology (NDSU) <input type="checkbox"/> Pharmaceutical Sciences (NDSU)	<input type="checkbox"/> Biomedical Sciences (UND) <input type="checkbox"/> Genomics and Bioinformatics (NDSU) <input type="checkbox"/> Pharmaceutical Sciences/Pharmacy (NDSU)
Diagnostic Services	<input type="checkbox"/> Clinical Laboratory Science transfer (NDSCS) <input type="checkbox"/> Dialysis Technician (NDSCS) <input type="checkbox"/> EMT – Paramedic Technician (BSC, DCB, NDSCS) <input type="checkbox"/> Medical Laboratory Technician (BSC, TMCC) <input type="checkbox"/> Medical Laboratory transfer (BSC) <input type="checkbox"/> Phlebotomy Technician (BSC, TMCC)	<input type="checkbox"/> Medical Lab Science (MaSU, MiSU, NDSU, UJ, UM, UND, VCSU) <input type="checkbox"/> Communication Sciences and Disorders (UM, UND) <input type="checkbox"/> Radiologic Technology (MiSU, NDSU, UJ, UM)	<input type="checkbox"/> Medical Lab Science (UND)
Health Informatics	<input type="checkbox"/> Community Health Worker (SBC) <input type="checkbox"/> Health Information Technician/Management (DCB, NDSCS) <input type="checkbox"/> Medical Administrative Asst. (BJCC, DCB, RC) <input type="checkbox"/> Medical Coding/Billing (DCB, NDSCS, RC, UTTC, WSC)	<input type="checkbox"/> Community Nutrition (UND) <input type="checkbox"/> Forensic Science (UND) <input type="checkbox"/> Healthcare Management (RC) <input type="checkbox"/> Health Administration (UM) <input type="checkbox"/> Health Communication (NDSU)	<input type="checkbox"/> Health Care Administration (UM) <input type="checkbox"/> Nurse Administrator (UM) <input type="checkbox"/> Public Health (NDSU, UND)
Support Services	<input type="checkbox"/> Caregiver Services (DCB) <input type="checkbox"/> Environmental Public Health (TMCC) <input type="checkbox"/> Fitness Trainer Technician (LRSC) <input type="checkbox"/> Social Work transfer (BSC, CCCC, NDSCS, TMCC, WSC)	<input type="checkbox"/> Corporate Fitness/Wellness (MaSU, MiSU) <input type="checkbox"/> Exercise Science (DSU, NDSU, UJ, UM) <input type="checkbox"/> Kinesiology (UND) <input type="checkbox"/> Social Work (MiSU, UM, UND)	<input type="checkbox"/> Clinical Exercise Physiology (UM) <input type="checkbox"/> Exercise Science and Nutrition (NDSU) <input type="checkbox"/> Exercise Physiology/Kinesiology (UM, UND) <input type="checkbox"/> Social Work (UND)
Therapeutic Services	<input type="checkbox"/> Addictions Studies Transfer (NHSC) <input type="checkbox"/> Dental Assisting/Hygiene (NDSCS) <input type="checkbox"/> Health/Medical Assistant (CCCC, DCB) <input type="checkbox"/> Massage Therapy (JSHDF, JSHDGF, TSPA, WSC) <input type="checkbox"/> Mental Health/Addictions Technician (WSC) <input type="checkbox"/> Nursing transfer (BSC, CCCC, DCB, LRSC, NDSCS, SBC, WSC) <input type="checkbox"/> Occupational Therapy Assistant (NDSCS) <input type="checkbox"/> Practical Nursing (BSC, BJCC, DCB, DSU, NDSCS, NHSC, SBC, TMCC, UTTC, WSC) <input type="checkbox"/> Pre-Professional transfer (BSC, DCB, MaSU, NDSCS, TMCC, WSC) <input type="checkbox"/> Surgical Technology (BSC)	<input type="checkbox"/> Addiction Studies (MiSU) <input type="checkbox"/> Athletic Training (MiSU, UM, UND) <input type="checkbox"/> Dietetics (NDSU, UND) <input type="checkbox"/> Music Therapy (UND) <input type="checkbox"/> Nursing (DSU, MaSU, MiSU, NDSU, RC, UJ, UM, UND) <input type="checkbox"/> Pre-Professional Programs (MaSU, MiSU, UM) <input type="checkbox"/> Rehabilitation and Human Services (UND) <input type="checkbox"/> Respiratory Care/Therapy (NDSU, UM)	<input type="checkbox"/> Advanced Nursing Practice (NDSU) <input type="checkbox"/> Advanced Athletic Training (NDSU) <input type="checkbox"/> Dietetics (NDSU) <input type="checkbox"/> Health, Nutrition and Exercise Science (NDSU) <input type="checkbox"/> Gerontology (NDSU) <input type="checkbox"/> Nursing (NDSU, UM, UND) <input type="checkbox"/> Nutrition (UND) <input type="checkbox"/> Occupational Therapy (UM, UND) <input type="checkbox"/> Physical Therapy (UJ, UM, UND) <input type="checkbox"/> Physician Assistant (UND) <input type="checkbox"/> Psychological Clinical Science (NDSU) <input type="checkbox"/> Respiratory Therapy (UM)



HOSA is an international student organization recognized by the Health Science Education (HSE) Division of ACTE. HOSA's goal is to encourage all health science instructors and students to join and be actively involved in leadership and demonstrate these skills through local, state and national competitions. HOSA provides a unique program of leadership development, motivation, and recognition exclusively for secondary, postsecondary, adult, and collegiate students enrolled in health science education and biomedical science programs or have interests in pursuing careers in health professions. Contact your HOSA Advisor to learn more to become a member.

Family & Consumer Sciences

Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
Consumer Services	Customer Service Representative • Financial Advisor • Market Researcher • Consumer Credit Counselor • Certified Financial Planner • Sales Consultant
Counseling & Mental Health Services	Career Counselor • Mental Health Counselor • Psychologist • Vocational Rehabilitation Counselor • School Counselor • Sociologist
Early Childhood Development & Services	Child Care Worker • Nanny • Preschool Teacher/Teacher Assistant • Child Care Center Director • Parent Educator
Family & Consumer Services	Human Services Worker • Religious Leader • Volunteer Coordinator • Social Worker • Day Care Worker • Emergency Relief Worker • Social Services Worker
Personal Care Services	Cosmetologist • Personal Trainer • Personal and Home Care Aide • Funeral Director • Massage Therapist • Exercise Physiologist • Nail Technician

Family and Consumer Science – Coordinated Plan of Study

Human Services		Hospitality & Tourism		Arts, AV Technology & Communications		Education & Training			
Family and Community Services		Early Childhood Development		Restaurant/Food Service		Visual Arts		Teaching/Training	
Course Name	Cr	Course Name	Cr	Course Name	Cr	Course Name	Cr	Course Name	Cr
Discovering Foods	.5	Child Development	.5	Discovering Foods	.5	Fashion and Clothing	.5	Child Development	.5
Child Development	.5	Early Childhood Education Block	1	International Cuisine	.5	Contemporary Sewing	.5	Intro to Teaching	.5
Food Trends	.5	Living on Your Own	.5	Food Trends	.5	Interior Decorating/Design	.5	Teaching Field Experience	.5
Living on Your Own	.5			Culinary Arts I	1	Living on Your Own	.5	Educating the Exceptional Student	.5
				Living on Your Own	.5			Cooperative Experience	.5-1

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 Pathway Preparation

CTE Electives

Accounting, Business Computer Applications
Web Design, Business & Personal Finance
Fundamentals of Business, Marketing
Health Science I, CNA

Academic Electives

Arts, Consumer Math
Communications, Creative Writing, Public Speaking
World Language, Microeconomics
Publications/Media
Psychology I, Sociology

Is this Pathway for you?

- Are you open-minded when helping others solve problems?
- Are you self-motivated?
- Do you enjoy working as a team?
- Are you compassionate and empathetic?
- Do you have a desire for a career in public service?
- Do you have an interest in human development and behavior?
- Do you consider yourself a leader who could be a part of a team?
- Are you curious to design, create, and/or work with your hands?

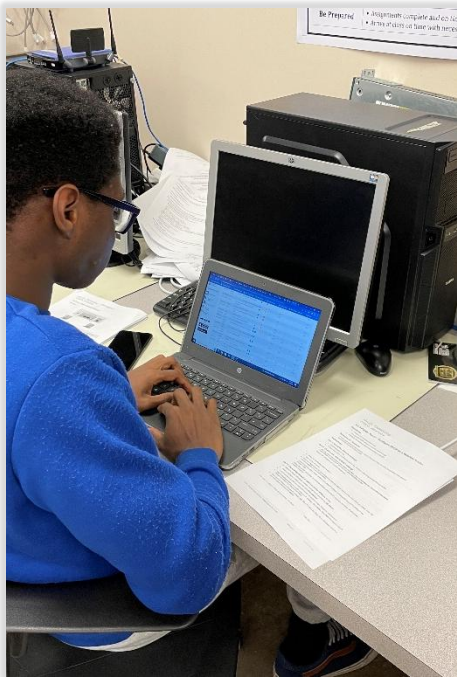


North Dakota Human Services Related Postsecondary Programs			
Pathway	Certificate or Associate's Degree	Bachelor's Degree	Master's Degree or More
Consumer Services	<input type="checkbox"/> Business Administration transfer (BSC, CCCC, DCB, NDSCS, NHSC, SBC, TBC, TMCC) <input type="checkbox"/> Management (BSC, DCB, RC, SBC, UTTC, WSC)	<input type="checkbox"/> Business Administration (NDSU, UJ, SBC, TBC, UTTC, VCSU) <input type="checkbox"/> Management (MiSU, NDSU, RC, UTTC, UM, UND, VCSU)	<input type="checkbox"/> Business Administration (NDSU)
Counseling & Mental Health Services	<input type="checkbox"/> Addiction Studies (NHSC) <input type="checkbox"/> Mental Health/Addictions Technician (WSC) <input type="checkbox"/> Psychology transfer (BSC, DCB, NDSCS, TMCC, WSC)	<input type="checkbox"/> Addiction Studies (MiSU) <input type="checkbox"/> Applied Psychology (MaSU) <input type="checkbox"/> Psychology (MiSU, NDSU, UJ, UM, UND, VCSU)	<input type="checkbox"/> Clinical Counseling (UJ) <input type="checkbox"/> Counseling (NDSU, UM, UND) <input type="checkbox"/> Counseling Education and Supervision (NDSU) <input type="checkbox"/> Counseling Psychology & Community Services (UND) <input type="checkbox"/> Couple and Family Therapy (NDSU) <input type="checkbox"/> Psychology (NDSU, UND)
Early Childhood Development & Services	<input type="checkbox"/> Child Development (DCB, NHSC) <input type="checkbox"/> Early Childhood (MaSU) <input type="checkbox"/> Early Childhood Education transfer (BSC, CCCC, DCB, LRSC, NDSCS, NHSC, SBC, RC)	<input type="checkbox"/> Early Childhood (MaSU) <input type="checkbox"/> Early Childhood Education (MaSU, MiSU, RC, SBC, UM, UND) <input type="checkbox"/> Human Development & Family Science (NDSU)	<input type="checkbox"/> Early Childhood Education (UND) <input type="checkbox"/> Developmental Science (NDSU) <input type="checkbox"/> Human Development & Family Science (NDSU)
Family & Community Services	<input type="checkbox"/> Biblical Studies (TBC) <input type="checkbox"/> Caregiver Services (DCB) <input type="checkbox"/> Community Health Worker (SBC) <input type="checkbox"/> Human Services/Eligibility Worker (BSC, NHSC, RC, SBC) <input type="checkbox"/> Religion transfer (BSC, WSC) <input type="checkbox"/> Social Work transfer (BSC, CCCC, DSU, NDSCS, TMCC, WSC)	<input type="checkbox"/> Catholic Studies (UM) <input type="checkbox"/> Human Development & Family Science (NDSU) <input type="checkbox"/> Human Services (RC, VCSU) <input type="checkbox"/> Pastoral/Youth/Children's Ministry (TBC, UM) <input type="checkbox"/> Rehabilitation and Human Services (UND) <input type="checkbox"/> Religious/Theology/Biblical Studies (UJ, UM, UND, TBC) <input type="checkbox"/> Social Work (MiSU, UM, UND)	<input type="checkbox"/> Gerontology (NDSU) <input type="checkbox"/> Human Development & Family Science (NDSU) <input type="checkbox"/> Missional Leadership (TBC) <input type="checkbox"/> Public Health (NDSU, UND) <input type="checkbox"/> Social Work (UND)
Personal Care Services	<input type="checkbox"/> Fitness Trainer Technician (LRSC) <input type="checkbox"/> Barbering and Cosmetology (MBC) <input type="checkbox"/> Cosmetology (HAHD, JSHDF, JSHDGF, JSHDW, JZT, THA, TSPA) <input type="checkbox"/> Esthetician/Skin Care (JSHDGF, JSHDW, THA, TSPA) <input type="checkbox"/> Massage Therapy (JSHDGF, JSHDW, TSPA, WSC) <input type="checkbox"/> Nail Technology (JSHDW, JZT, THA, TSPA)	<input type="checkbox"/> Athletic/Fitness Training (MiSU, UM, UND) <input type="checkbox"/> Exercise Science (DSU, NDSU, UJ, UM) <input type="checkbox"/> Sport Management (NDSU)	<input type="checkbox"/> Advanced Athletic Training (NDSU) <input type="checkbox"/> Clinical Exercise Physiology (UM) <input type="checkbox"/> Exercise Science and Nutrition (NDSU)



FCCLA is a national Career and Technical Student Organization that provides personal growth, leadership development, and career preparation opportunities for students in Family and Consumer Sciences education. Our Mission is to promote personal growth and leadership development through Family and Consumer Sciences education. Focusing on the multiple roles of family member, wage earner and community leader, members develop skills for life through: character development, creative and critical thinking, interpersonal communication, practical knowledge, and career preparation. Ask who your FCCLA advisor is to learn more about becoming a member.

Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
Information Support & Services	Database Administrator • Account Manager • Help Desk Specialist • Information Systems Architect • Systems Analyst • Instructional Designer • Testing Engineer
Network Systems	User Support Specialist • Network Administrator • Network Engineer • Information Technology Engineer • Network Security Analyst • Telecommunications Network Technician
Programming & Software Development	Computer Engineer • Software Applications Specialist • Game Developer • Software Applications Tester • Project Lead • Software Design Engineer
Web & Digital Communications	Multimedia Specialist • Web Designer • Web Site Developer • Animator • Blog Developer • Streaming Media Specialist



Information Technology - Coordinated Plan of Study			
Information Technology Career Cluster			
Network Systems		Computer Programing	
Course Name	Cr	Course Name	Cr
IT Essentials I/II	1	Intro to Programming	.5
*Intro to Networking & Cybersecurity	.5	Programming with Python	.5
		Fundamentals of Java	.5
CISCO I – South HS	.5	Mobile App Development & Security	.5
CISCO II, III, IV - NDCS	.5	AP Computer Science A – Java II	.5
*South High School		Help Desk Cooperative Work Experience	.5-4
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 Information Technology Pathway Preparation

CTE Electives

Accounting, Aviation I, II
Business & Financial Literacy, Business Law
Business Computer Applications, Web Design
Marketing, Management/Entrepreneurship
Intro to Engineering Design, Principles of Engineering

Academic Electives

Communications, Workforce Ready Math
College Algebra, AP Calculus, Statistics
Physics
Publications/Broadcast

Is this Pathway for you?

- Do you enjoy working with computers?
- Are you curious to learn reasoning and logic to solve complex problems?
- Are you comfortable with situations that are unpredictable and rapidly changing?
- Are you interested in how procedures make machines work?
- Do you like to read technical materials and diagrams and solve technical problems?
- Are you patient when problem-solving to find a solution?
- Do you enjoy working as a team or independently?
- Play video games and figure out how they work.

I Can Code

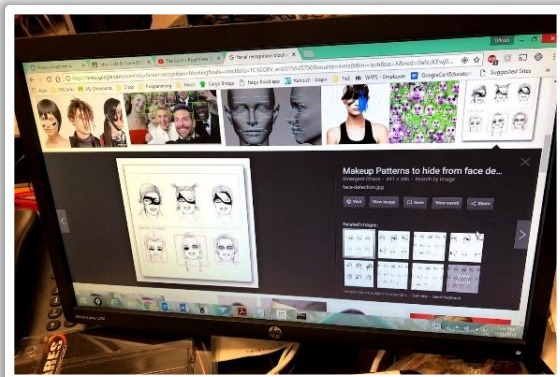
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North Dakota Information Technology Related Postsecondary Programs

Pathway	Associate's Degree or Less	Bachelor's Degree	Master's Degree or More
Information Support & Services	<input type="checkbox"/> Computer Applications (CCCC) <input type="checkbox"/> Computer Information Systems (BSC, DCB) <input type="checkbox"/> Computer Support Specialist (BSC, TMCC) <input type="checkbox"/> Computer Technology/Information Technology (DCB) <input type="checkbox"/> Geographic Information Systems Technician (BSC) <input type="checkbox"/> Information Systems Administrator (NDSCS) <input type="checkbox"/> Information Processing Specialist (BSC) <input type="checkbox"/> Information Management (NHSC, RC) <input type="checkbox"/> Information Technology (LRSC, NDSCS, RC, SBC, WSC) <input type="checkbox"/> IT Forensics (NDSCS) <input type="checkbox"/> Management Information Systems transfer (NDSCS)	<input type="checkbox"/> Applied Business Information Technology (MiSU) <input type="checkbox"/> Computer Technology Management (DSU) <input type="checkbox"/> Information Security (RC) <input type="checkbox"/> Management Information Science (UJ) <input type="checkbox"/> Information Technology (UJ) <input type="checkbox"/> Information Technology Management (RC, UM) <input type="checkbox"/> Technology Education (DSU, VCSU)	<input type="checkbox"/> Information Systems (MiSU) <input type="checkbox"/> Library/Information Technology (VCSU) <input type="checkbox"/> Technology (UND)
Network Systems	<input type="checkbox"/> Information Management (NHSC, RC) <input type="checkbox"/> Information Technology (LRSC, NDSCS, RC, SBC, WSC)	<input type="checkbox"/> Computer Information Systems (MaSU, UM, VCSU) <input type="checkbox"/> Information Systems (UND) <input type="checkbox"/> Management Information Systems (NDSU)	<input type="checkbox"/> Computer Science (NDSU, UND) <input type="checkbox"/> Electrical and Computer Engineering (NDSU)
Programming & Software Development	<input type="checkbox"/> Computer Science transfer (BSC, NDSCS) <input type="checkbox"/> Mobile Application Developer (NDSCS) <input type="checkbox"/> Software Application Development (RC)	<input type="checkbox"/> Computer Engineering (NDSU) <input type="checkbox"/> Computer Science (DSU, MiSU, NDSU, RC, UJ, UM, UND) <input type="checkbox"/> Electrical and Computer Engineering (NDSU) <input type="checkbox"/> Software Engineering (VCSU)	<input type="checkbox"/> Electrical and Computer Engineering (NDSU) <input type="checkbox"/> Software Engineering (NDSU)
Web & Digital Communications	<input type="checkbox"/> Computer Technology/Webmaster and Web Design (DCB) <input type="checkbox"/> Web Design (NDSCS) <input type="checkbox"/> Web Developer (NDSCS) <input type="checkbox"/> Web Page Development and Design (BSC) <input type="checkbox"/> Web Programming (RC)	<input type="checkbox"/> New Media and Web Design (NDSU)	



**Coding, Cyber Security
Help Desk & e-Sports**

Pathway

OCCUPATIONS RELATING TO THIS CAREER CLUSTER

Health, Safety & Environmental Assurance	Environmental Engineer • Health and Safety Specialist • Safety Team Leader • Environmental Specialist • Safety Coordinator • Environmental Field Technician
Logistics & Inventory Control	Dispatcher • Freight/Stock/Material Mover • Industrial Truck & Tractor Operator • Materials Handler • Logistical Engineer • Quality Control Technician
Maintenance, Installation & Repair	Computer Repair Technician • Boilermaker • Communication Systems Installer • Laser Systems Technician • Industrial Machinery Mechanic • Instrument Calibration Technician
Manufacturing Production Process Development	Industrial Engineer • Manufacturing Technician • Purchasing Agent • Precision Inspector, Tester and Grader • Production Manager • Electronics Engineer
Production	Welder • Calibration Technician • Precision Layout Worker • Assembler • Tool & Die Maker • Sheet Metal Worker • Micro and Nano Fabrication Technicians
Quality Assurance	Process Control Technician • Inspector • Quality Control Technician • Calibration Technician • Lab Technician • Statistical Process Control (SPC) Coordinator



Is this Pathway for you?

- Are you curious about how things are made or how they work?
- Do you enjoy creating, inventing, or imagining new and different ways to do things?
- Do you consider yourself a leader who could be part of a team?
- Are you curious to work in a laboratory?
- Are you interested in technology and its ongoing innovation?
- Have you ever dreamed of owning your own business?
- Do you like to follow directions and use precise detail to complete a task?
- Are you curious how math/science can be applied to build things or solve problems?

Trade & Industry – Coordinated Plan of Study

Production	
Course Name	Cr
Welding I (NDSCS)	1
Welding II (NDSCS)	1
Manufacturing I, II or III (South High)	1 to 3
Cooperative Work Experience	.5 to 4
Technology & Engineering	
Manufacturing Production Process Development	
Metals I	.5
Metals II	.5
Construction Technology	.5
Drafting & Architecture	.5
Energy in Motion Innovation	.5
VEX Robotics	.5
Woods I	.5
Woods II	.5

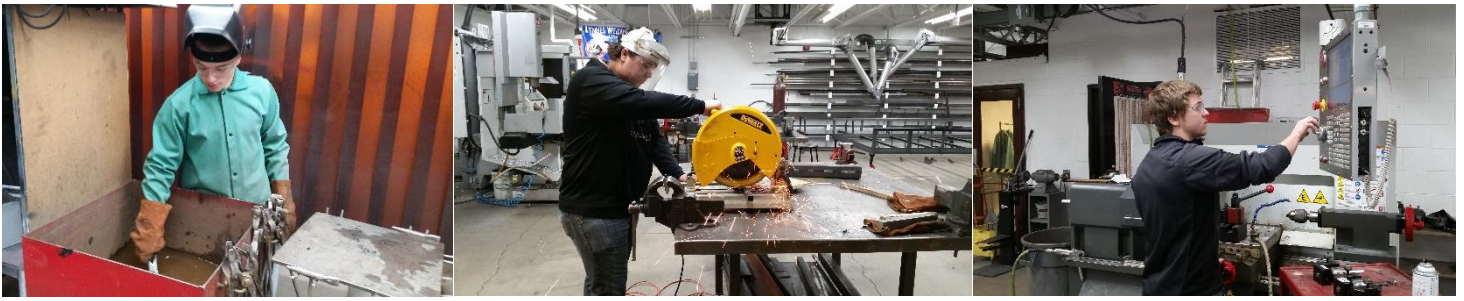
Other Electives to Consider for Manufacturing Pathway Preparation

CTE Electives

Intro to Engineering, Drafting & Architecture
Computer Applications, Business & Financial Literacy
Fundamentals of Business
Marketing
Living on Your Own

Academic Electives

Arts, Workforce Ready Math
Consumer Math; Geometry
Environmental Science, Earth Science
Public Speaking



North Dakota Manufacturing Related Postsecondary Programs

Pathway	Associate's Degree or Less	Bachelor's Degree	Master's Degree or More
Health, Safety & Environmental Assurance	<input type="checkbox"/> Emergency Management transfer (NDSCS) <input type="checkbox"/> Environmental Public Health (TMCC) <input type="checkbox"/> Environmental Technology/Science transfer (NHSC, SBC, TMCC, UTTC, WSC)	<input type="checkbox"/> Emergency Management (NDSU) <input type="checkbox"/> Environmental Design (NDSU) <input type="checkbox"/> Environmental Science (DSU, NHSC, SBC) <input type="checkbox"/> Health Communication (NDSU)	<input type="checkbox"/> Emergency Management (NDSU) <input type="checkbox"/> Environmental and Conservation Sciences (NDSU, SBC) <input type="checkbox"/> Environmental Engineering (NDSU, UND)
Logistics & Inventory Control	<input type="checkbox"/> Information Technology (DCB) <input type="checkbox"/> Information Processing Specialist (BSC) <input type="checkbox"/> Management Information Systems (NDSCS)	<input type="checkbox"/> Business Process Integration Management (VCSU) <input type="checkbox"/> Computer Technology Management (DSU) <input type="checkbox"/> Energy Economics and Finance (MiSU) <input type="checkbox"/> Management Information Systems (MiSU, NDSU) <input type="checkbox"/> Operations and Supply Chain Management (UND)	<input type="checkbox"/> Transportation and Logistics (NDSU)
Maintenance, Installation & Repair	<input type="checkbox"/> Electrical Lineworker (BSC) <input type="checkbox"/> Electrical Power Technology (BSC) <input type="checkbox"/> Electrical Transmission Systems Technology (BSC) <input type="checkbox"/> Electronics Technology (BSC) <input type="checkbox"/> Electronics and Telecommunications Technology (BSC) <input type="checkbox"/> Mechanical Maintenance Technology (BSC) <input type="checkbox"/> Welding Technology (BSC, BJCC, LW, NDSCS, NHSC, SBC, TMCC, UTTC, WSC) <input type="checkbox"/> Wind Energy Technician (LRSC)	<input type="checkbox"/> Industrial Technology (UND)	
Manufacturing Process Production Development	<input type="checkbox"/> Engineering Technology (BSC) <input type="checkbox"/> Power Plant Technology (BSC) <input type="checkbox"/> Process Plant Technology (BSC, TMCC) <input type="checkbox"/> Energy Services & Renewable Technician (BSC)	<input type="checkbox"/> Engineering Science (UJ, UM) <input type="checkbox"/> Industrial Engineering and Management (NDSU) <input type="checkbox"/> Manufacturing Engineering (NDSU)	<input type="checkbox"/> Industrial Engineering and Management (NDSU) <input type="checkbox"/> Manufacturing Engineering (NDSU)
Production	<input type="checkbox"/> Heating, Ventilation, and Air Conditioning (BSC, CCCC, NDSCS, TMCC) <input type="checkbox"/> Precision Machining Technology (NDSCS) <input type="checkbox"/> Production Operations/Refinery Training (NHSC) <input type="checkbox"/> Robotics, Automation and Mechatronics Technology (NDSCS) <input type="checkbox"/> Welding Technology (BSC, BJCC, LW, NDSCS, NHSC, SBC, TMCC, UTTC, WSC)	<input type="checkbox"/> Energy Management (BSC)	<input type="checkbox"/> Materials and Nanotechnology (NDSU)
Quality Assurance	<input type="checkbox"/> Instrumentation and Control Technology (BSC)	<input type="checkbox"/> Industrial Engineering and Management (NDSU)	<input type="checkbox"/> Industrial Engineering and Management (NDSU)



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. Contact your SkillsUSA Advisor to learn more.

Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
Marketing Communications	Account Executive • Advertising Manager • Creative Director • Media Buyer • Marketing Associate • Public Information Director • Interactive Media Specialist
Marketing Management	Database Manager • Customer Service Representative • Brand Manager • Director of Market Development • Marketing Services Manager • Planning Analyst
Marketing Research	Research Associate • Research Specialist • Market Research Manager • Strategic Planner • Research Analyst • Forecasting Manager • Marketing Strategist
Merchandising	Merchandise Buyer • Operations Manager • Retail Marketing Coordinator • Receiving Clerk • Visual Merchandise Manager • Department Manager • Sales Associate
Professional Selling	Account Executive • Broker • Manufacturer’s Representative • Field Representative • Sales Executive • Solutions Advisory • Client Relationship Manager



Marketing Education - Coordinated Plan of Study			
Marketing Career Cluster			
Professional Sales, Merchandising, Marketing Communication		Marketing Management	
Course Name	Cr	Course Name	Cr
Entertainment/Events Marketing	.5	Marketing I	1
Marketing I	1	Management	1
Management	1	Retail Store Management	1
Retail Store Management	1		.5
Cooperative Work Experience			.5-4
Students must earn at least 2 credits in a CTE pathway and 2 additional CTE credits to qualify for the CTE Scholarship			

Is this Pathway for you?

- Are you someone who likes to work with data to solve problems?
- Do you like to interact with all kinds of people?
- Do you like to come up with new ideas?
- Do you like to follow directions to complete a task?
- Do you consider yourself a leader who could be part of a team?
- Are you interested in being a team captain, officer, or having a role in an organization?
- Are you interested in technology and its ongoing innovation?
- Have you ever dreamed of owning your own business?

Other Electives to Consider for Marketing Pathway Preparation
<p>CTE Electives</p> <p>Business Computer Applications, Web Design Accounting I, II Business & Financial Literacy, Business Law Culinary Academy, International Cuisine, Discovering Foods Housing and Interior Design</p> <p>Academic Electives</p> <p>Communications, Journalism I, II Creative Writing, Debate World Languages Microeconomics Publications/Media, Public Speaking Sociology Philosophy Worldview, & Ethics</p>



North Dakota Marketing Related Postsecondary Programs

Pathway	Associate's Degree or Less	Bachelor's Degree	Master's Degree or More
Marketing Communications	<input type="checkbox"/> Advertising and Marketing (DCB) <input type="checkbox"/> Advertising transfer (WSC) <input type="checkbox"/> Information & Communications Technology (NDSCS) <input type="checkbox"/> Mass Communications (BSC)	<input type="checkbox"/> Business Communication (UM) <input type="checkbox"/> Communication (UND) <input type="checkbox"/> Mass Communication (UM) <input type="checkbox"/> Public Relations (UM)	
Marketing Management	<input type="checkbox"/> Advertising & Marketing (DCB) <input type="checkbox"/> Business Management (NDSCS, RC, UTTC, WSC) <input type="checkbox"/> Information Management (NHSC) <input type="checkbox"/> Management (BSC) <input type="checkbox"/> Management Entrepreneurship (BSC) <input type="checkbox"/> Marketing (LRSC, RC) <input type="checkbox"/> Marketing and Management transfer (DCB) <input type="checkbox"/> Small Business Management (DCB)	<input type="checkbox"/> Business Management (RC, UM, VCSU) <input type="checkbox"/> Management (MiSU, NDSU, UND) <input type="checkbox"/> Management Communication (NDSU) <input type="checkbox"/> Marketing (MiSU, NDSU, RC, UM, UND, VCSU) <input type="checkbox"/> Sport & Leisure Management (UM)	<input type="checkbox"/> Management (MiSU)
Marketing Research	<input type="checkbox"/> Business Systems Analysis (RC)	<input type="checkbox"/> Business Systems Analysis (RC)	
Merchandising	<input type="checkbox"/> Art Marketing (UTTC) <input type="checkbox"/> Marketing (LRSC, RC)	<input type="checkbox"/> Apparel, Retail Merchandising, & Design (NDSU) <input type="checkbox"/> Operations and Supply Chain Management (UND)	<input type="checkbox"/> Merchandising (NDSU)
Professional Selling	<input type="checkbox"/> Entrepreneurship (CCCC, NDSCS, SBC, TMCC)	<input type="checkbox"/> Art Entrepreneurship (DSU) <input type="checkbox"/> Computer Information Systems/Customer Relationship Management (VCSU) <input type="checkbox"/> Entrepreneurship (UND)	



DECA is a co-curricular student organization that connects the Marketing Education classroom curricular to leadership experiences. DECA's mission is to prepare emerging leaders in marketing, finance, hospitality and management. North Dakota DECA was chartered in 1954 and continues to provide opportunities for its members today. DECA members are encouraged to be involved in local, state and national competitions, community services projects, and leadership. Contact your DECA advisor to learn more and get involved.



Marketing education students also can compete in Junior Achievement's Company Program which challenges student entrepreneurial spirit to start, operate, and liquidate their own company brand. Individual and team scholarship are available.

Technology & Engineering

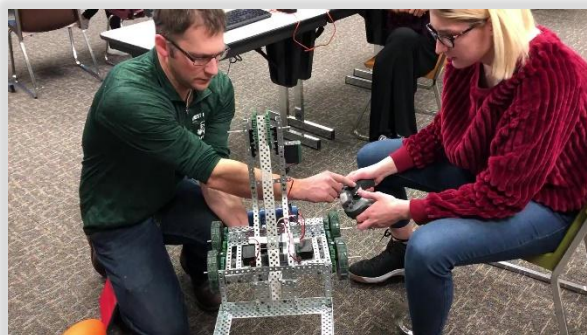
Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
Engineering & Technology	Aerospace Engineer • Architectural Engineer • Automotive Engineer • CAD Technician • Civil Engineer • Computer Programmer • Electrical Engineer • Mapping Technician • Mining Engineer • Metallurgist • Petroleum Engineer • Survey Technician • Biomedical Engineer • Agricultural Technician • Application Engineer
Science & Mathematics	Anthropologist • Astronomer • Chemist • Geneticist • Ecologist • Environmental Scientist • Geologist • Research Technician • Economist • Analytical Chemist • Meteorologist • Nuclear Chemist/Technician • Statistician • Atmospheric Scientist • Zoologist • Astrophysicist • Quality-Control Scientist

Technology & Engineering Coordinated Plan of Study

Engineering & Technology		Manufacturing Production Process Development	
Course Name	Cr	Course Name	Cr
Robotics	.5	Metals I and Metals II	.5
Into to Engineering	1	Woods I and Woods II	.5
Principle of Engineering	1	Construction Technology	.5
Drafting & Architecture	.5	Energy in Motion Innovation	.5
Cooperative Work Experience	.5 - 4	Robotics	.5 - 4

Is this Pathway for you?

- Are you curious about how things are made or how they work?
- Do you like to interact with all kinds of people?
- Do you enjoy creating, inventing, or imagining new and different ways to do things?
- Do you consider yourself a leader who could be part of a team?
- Are you curious to work in a laboratory?
- Are you interested in technology and its ongoing innovation?
- Have you ever dreamed of owning your own business?
- Do you like to follow directions and use precise detail to complete a task?
- Are you curious how math/science can be applied to build things or solve problems?



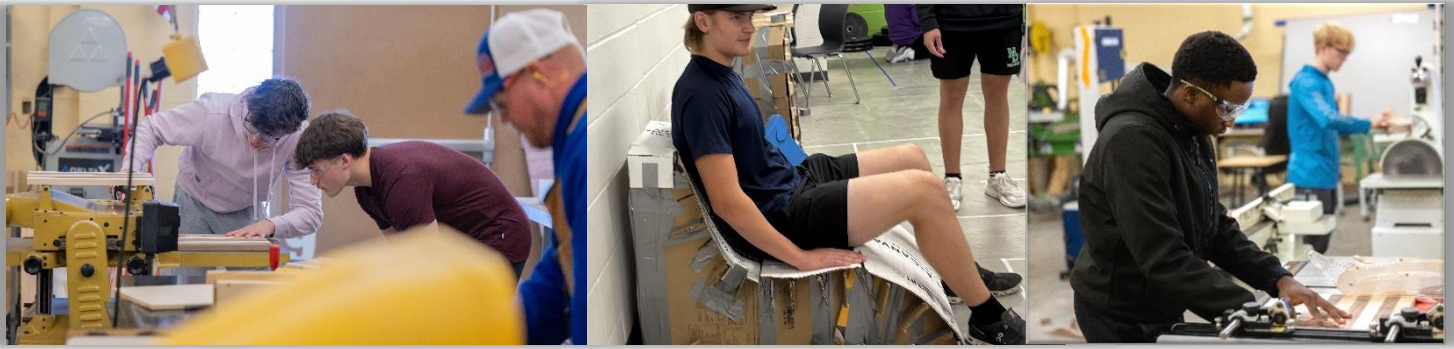
Other Electives to Consider for Marketing Pathway Preparation

CTE Electives

Aviation, UAV
Intro to Agriculture, Plant Science I, II
Health Sciences I, II, CNA, Prevention & Care
Biomedical Sciences,
Intro to Programming, Python, Java, AP Java, Mobile Apps
Web Design

Academic Electives

Anatomy/Physiology I & II, AP Physics, Chemistry, Biology
Environmental Science, Genetics, Field Biology
Statistics, Calculus, AP Calculus, Trigonometry
World Languages
Microeconomics
Philosophy & Ethics, Psychology, Sociology
Fine Arts



North Dakota STEM Related Postsecondary Programs

Pathway	Certificate or Associate's Degree	Bachelor's Degree	Master's Degree or More
Engineering & Technology	<input type="checkbox"/> Architectural Drafting & Estimating Technology (NDSCS) <input type="checkbox"/> Engineering Technology (BSC) <input type="checkbox"/> Land Surveying and Civil Engineering (NDSCS) <input type="checkbox"/> Nanoscience Technology (NDSCS) <input type="checkbox"/> Nuclear Power Technology (BSC) <input type="checkbox"/> Petroleum Engineering Technology (BSC) <input type="checkbox"/> Petroleum Production Technology (BSC, NHSC, WSC) <input type="checkbox"/> Engineering transfer (BSC, CCCC, DCB, NDSCS, NHSC, SBC, TMCC, WSC) <input type="checkbox"/> Robotics, Automation & Mechatronics Technology (NDSCS) <input type="checkbox"/> Simulator Maintenance Technology (LRSC) <input type="checkbox"/> Technical Studies (BSC, NDSCS)	<input type="checkbox"/> Agricultural and Biosystems Engineering (NDSU) <input type="checkbox"/> Chemical Engineering (UND) <input type="checkbox"/> Civil Engineering (NDSU, UND) <input type="checkbox"/> Computer Engineering (NDSU) <input type="checkbox"/> Construction Engineering (NDSU) <input type="checkbox"/> Electrical Engineering (NDSU, UND) <input type="checkbox"/> Engineering Science (UM) <input type="checkbox"/> Geological Engineering (UND) <input type="checkbox"/> Industrial Engineering and Management (NDSU) <input type="checkbox"/> Industrial Technology (UND) <input type="checkbox"/> Manufacturing Engineering (NDSU) <input type="checkbox"/> Mechanical Engineering (NDSU, UJ, UND) <input type="checkbox"/> Petroleum Engineering (UND)	<input type="checkbox"/> Aerospace Sciences (UND) <input type="checkbox"/> Agricultural and Biosystems Engineering (NDSU) <input type="checkbox"/> Chemical Engineering (UND) <input type="checkbox"/> Civil Engineering (NDSU, UND) <input type="checkbox"/> Electrical/Computer Engineering (NDSU, UND) <input type="checkbox"/> Environmental Engineering (NDSU, UND) <input type="checkbox"/> Geological Engineering (UND) <input type="checkbox"/> Industrial Engineering & Management (NDSU) <input type="checkbox"/> Manufacturing Engineering (NDSU) <input type="checkbox"/> Mechanical Engineering (NDSU, UND) <input type="checkbox"/> Software Engineering (NDSU) <input type="checkbox"/> Sustainable Energy Engineering (UND) <input type="checkbox"/> Technology (UND)
Science & Mathematics	<input type="checkbox"/> Biology transfer (BSC, DCB, TMCC, WSC) <input type="checkbox"/> Biotechnology transfer (NDSCS) <input type="checkbox"/> Chemistry transfer (BSC, DCB, NDSCS, TMCC, WSC) <input type="checkbox"/> Environmental Science Transfer (CCCC, NHSC, TMCC, WSC) <input type="checkbox"/> Environmental Technology (DCB) <input type="checkbox"/> Mathematics transfer (BSC, DCB, NDSCS, NHSC, TMCC, WSC) <input type="checkbox"/> Natural Science transfer (NDSCS, TMCC) <input type="checkbox"/> Pharmacy transfer (WSC) <input type="checkbox"/> Physical Science transfer (NDSCS, WSC) <input type="checkbox"/> Physics transfer (BSC, WSC) <input type="checkbox"/> Science transfer (CCCC, NHSC) <input type="checkbox"/> Tribal Environmental Science (UTTC)	<input type="checkbox"/> Atmospheric Sciences (UND) <input type="checkbox"/> Biochemistry and Molecular Biology (NDSU) <input type="checkbox"/> Biology/Biological Science (DSU, MaSU, MiSU, NDSU, UJ, UM, UND, VCSU) <input type="checkbox"/> Biotechnology (NDSU) <input type="checkbox"/> Botany (NDSU) <input type="checkbox"/> Chemistry (DSU, MaSU, MiSU, NDSU, UJ, UM, UND, VCSU) <input type="checkbox"/> Computer Science (DSU, MiSU, RC, UM, UND) <input type="checkbox"/> Earth Science (MiSU) <input type="checkbox"/> Environmental Science (DSU, NHSC, SBC, UND) <input type="checkbox"/> Forensic Science (UND) <input type="checkbox"/> Geology (MiSU, NDSU, UND) <input type="checkbox"/> Horticulture (NDSU) <input type="checkbox"/> Mathematics (DSU, MaSU, MiSU, NDSU, UJ, UM, UND, VCSU) <input type="checkbox"/> Microbiology (NDSU) <input type="checkbox"/> Molecular and Integrative Biology (UND) <input type="checkbox"/> Physics (NDSU, UND) <input type="checkbox"/> Statistics (NDSU) <input type="checkbox"/> Unmanned Aircraft Systems Operations (UND) <input type="checkbox"/> Zoology (NDSU)	<input type="checkbox"/> Atmospheric Sciences (UND) <input type="checkbox"/> Biochemistry/Biomedical Sciences (NDSU) <input type="checkbox"/> Biology/Biological Science (NDSU, UND) <input type="checkbox"/> Botany (NDSU) <input type="checkbox"/> Cellular and Molecular Biology (NDSU) <input type="checkbox"/> Chemistry (NDSU, UND) <input type="checkbox"/> Coatings and Polymeric Materials (NDSU) <input type="checkbox"/> Entomology (NDSU) <input type="checkbox"/> Environmental & Conservation Science (NDSU, SBC) <input type="checkbox"/> Geology (UND) <input type="checkbox"/> Materials and Nanotechnology (NDSU) <input type="checkbox"/> Mathematics (NDSU, UND) <input type="checkbox"/> Microbiology (NDSU) <input type="checkbox"/> Physics/Astrophysics (NDSU, UND) <input type="checkbox"/> Plant Pathology (NDSU) <input type="checkbox"/> Plant Sciences (NDSU) <input type="checkbox"/> Space Studies (UND) <input type="checkbox"/> Statistics (NDSU) <input type="checkbox"/> Zoology (NDSU)



The Technology Student Association is a local, state, and national student organization created to develop skills in science, technology, engineering, and mathematics as well as business education. TSA aims to develop leadership, academic, and business management skills in the workplace among students and leaders within the community. Students currently or previously enrolled in Technology & Engineering courses join TSA and extend their learning and leadership through intra-curricular activities, and competitions. Contact your school's TSA Advisor to get involved.

Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
Facility & Mobile Equipment Maintenance	Automotive Service Technician • Collision Repair Technician • Diesel Engine Specialist • Marine Technician • Service Manager • Electrical/Electronic Technician • Industrial Electrician • Motorcycle & UTV Technician
Health, Safety & Environmental Management	Industrial Health & Safety Engineer • Safety Analyst • Environmental Scientist • First Responder • Environmental Compliance Specialist • Risk Manager
Logistics Planning & Management Services	Logistic Manager • Logistics Analyst • Logistician • Logistic Consultant • International Logistics Specialists • Logistic Engineer
Sales & Service	Marketing Manager • Sales Representative • Cargo and Freight Agent • Customer Service Representative • Customer Order and Billing Clerk • Sales Manager
Transportation Operations	Pilot • Flight Engineer • Truck Driver • Bus Driver • Dispatchers • Air Traffic Controller • Transportation Managers • Locomotive Engineer • Flight Attendant
Transportation Systems/Infrastructure Planning, Management & Regulation	Aviation Inspector • Logistics System Manager • Surveying and Mapping Technician • Motor Vehicle Inspector • Transportation Engineer • Freight Inspector
Warehousing & Distribution Center Operations	Warehouse Manager • Shipping & Receiving Clerk • Production/Planning/Expediting Clerk • Laborer & Material Handler • Industrial and Packaging Engineers



Transportation, Distribution & Logistics			
Transportation Operations		Facility and Mobile Equipment Maintenance	
Course Name	Cr	Course Name	Cr
Aviation Technology I	.5	Diesel Technology I	1
Aviation Technology II	1	Diesel Technology II Block	2
Unmanned Aerial Vehicle	.5	Recreation Engines I	2
		Recreation Engines II	2
Cooperative Work Experience			.5 - 4
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 Transportation, Distribution & Logistics Pathway Preparation

CTE Electives

Business Computer Applications
Business & Financial Literacy
IT Essentials I, II, Robotics
Intro to Engineering Design; Principles of Engineering
Construction Technology I, II
Automotive Technology I, II
Management/Entrepreneurship
Manufacturing I, II, III, Welding I, II

Academic Electives

AFJROTC, Workforce Ready Math
Chemistry, Physics
Consumer Math, Advanced Math, Pre-Calculus, AP Calculus
Communications, Public Speaking
Psychology

Is this Pathway for you?

- Are you curious about how things are made or how they work?
- Do you enjoy creating, inventing, or imagining new and different ways to do things?
- Do you consider yourself a leader who could be part of a team?
- Are you curious to work in a laboratory?
- Are you interested in technology and its ongoing innovation?
- Have you ever dreamed of owning your own business?
- Do you like to follow directions and use precise detail to complete a task?
- Are you curious how math/science can be applied to build things or solve problems?



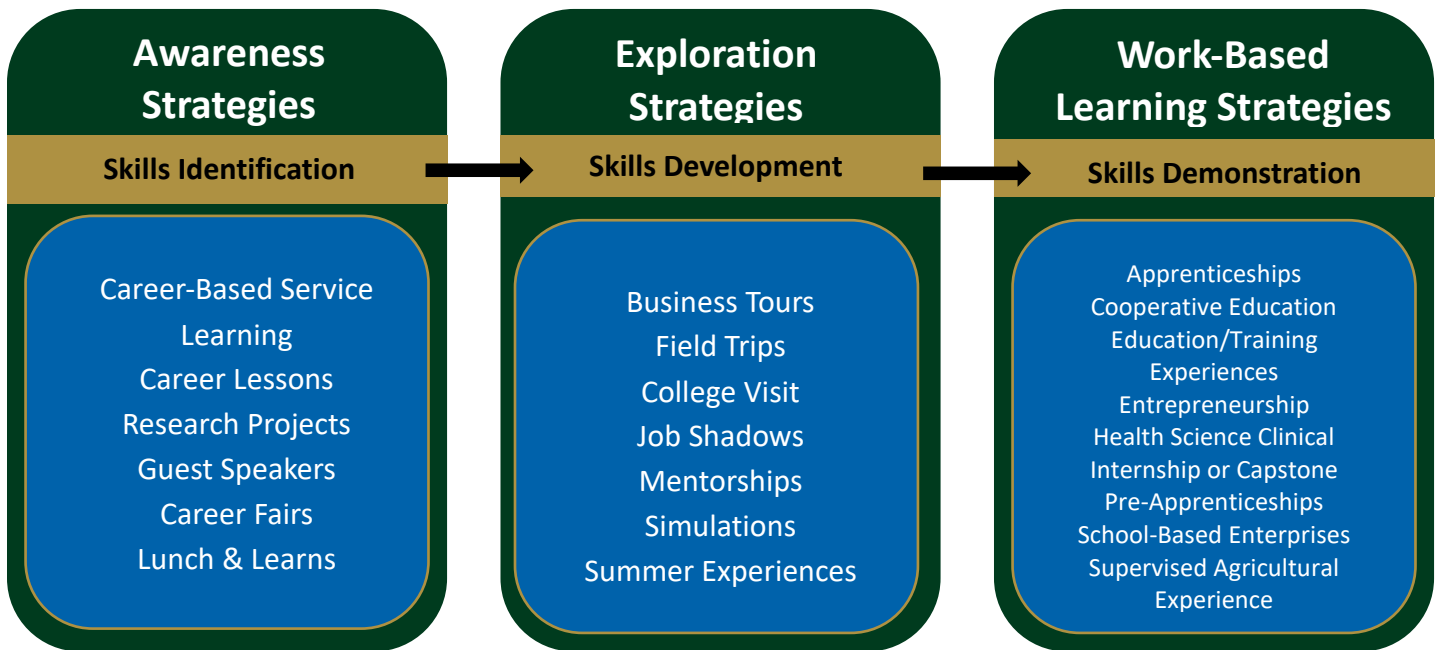
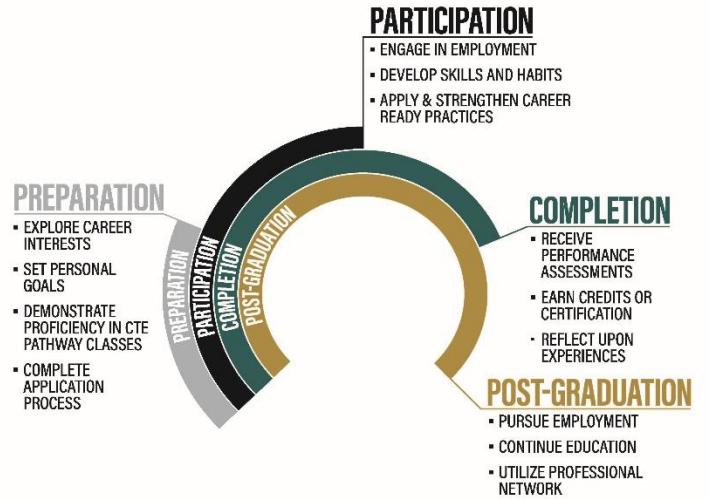
North Dakota Transportation, Distribution & Logistics Related Postsecondary Programs			
Pathway	Associate's Degree or Less	Bachelor's Degree	Master's Degree or More
Facility & Mobile Equipment Maintenance	<input type="checkbox"/> Auto Collision Technology (BSC, NDSCS) <input type="checkbox"/> Auto Technology (BSC, BJCC, CCCC, LRSC, NDSCS, UTTC) <input type="checkbox"/> Diesel Technology (NDSCS) <input type="checkbox"/> Electronics Technology (BSC) <input type="checkbox"/> Electronics & Telecommunications Technology (BSC) <input type="checkbox"/> Facilities Maintenance (BJCC) <input type="checkbox"/> Geographic Information Systems Technology (BSC) <input type="checkbox"/> Power Sport Technology (NDSCS) <input type="checkbox"/> Transportation Technician (WSC)		
Health, Safety & Environmental Management	<input type="checkbox"/> Environmental Public Health (TMCC)	<input type="checkbox"/> Environmental Design (NDSU) <input type="checkbox"/> Environmental Health (DSU)	
Logistics Planning & Management Services	<input type="checkbox"/> Information Management Systems (DCB, NHSC, RC) <input type="checkbox"/> Information Processing Specialist (BSC) <input type="checkbox"/> Information Technology (DCB, LRSC, NDSCS, WSC) <input type="checkbox"/> Management Information Systems (NDSCS)	<input type="checkbox"/> Business Administration/Business Process Integration Management (VCSU) <input type="checkbox"/> Business Management (UM) <input type="checkbox"/> Information Technology Management (DSU, UM) <input type="checkbox"/> Management Information Systems (MiSU, NDSU, RC, UND) <input type="checkbox"/> Operations/Supply Chain & Logistics (RC, UND)	<input type="checkbox"/> Business Administration/Project Management (UM) <input type="checkbox"/> Transportation and Logistics (NDSU)
Sales & Service	<input type="checkbox"/> Business Management (WSC) <input type="checkbox"/> Marketing & Management transfer (DCB, LRSC, RC)	<input type="checkbox"/> Airport Management (UND) <input type="checkbox"/> Marketing (MiSU, NDSU, RC, UM, UND)	<input type="checkbox"/> Merchandising (NDSU)
Transportation Operations	<input type="checkbox"/> Airline Transport Pilot (FFS) <input type="checkbox"/> CDL/Heavy Equipment (CCCC, NHSC, SBC, TMCC, UTTC) <input type="checkbox"/> Commercial Pilot (EATC, FFS, GFKFS) <input type="checkbox"/> Heavy Equipment Operator (UTTC) <input type="checkbox"/> Instrumental/Multi-Engine Rating (EATC, FFS, GFKFS) <input type="checkbox"/> Private Pilot (EATC, FFS, GFKFS) <input type="checkbox"/> Recreational/Sport Pilot (EATC, FFS)	<input type="checkbox"/> Air Traffic Control (UND) <input type="checkbox"/> Commercial Aviation (UND) <input type="checkbox"/> Aviation Management (UND) <input type="checkbox"/> Aviation Technology Management (UND) <input type="checkbox"/> Flight Education (UND) <input type="checkbox"/> Unmanned Aircraft Systems Operations (UND)	<input type="checkbox"/> Aerospace Sciences (UND) <input type="checkbox"/> Aviation (UND)
Transportation Systems/ Infrastructure Planning, Management & Regulation		<input type="checkbox"/> Airport Management (UND) <input type="checkbox"/> Aviation Technology Management (UND) <input type="checkbox"/> Operations/Supply Chain & Logistics (RC, UND) <input type="checkbox"/> Public Policy ()	<input type="checkbox"/> Transportation and Urban Systems (NDSU)
Warehousing & Distribution Center Operations	<input type="checkbox"/> Management (BSC)	<input type="checkbox"/> Business Administration/Business Process Integration Management (VCSU)	



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. Contact your SkillsUSA Advisor to join.

Work-based Learning

Mentoring Learners, Inspiring the Future



West Fargo high school learners are encouraged to participate in work related experiences to develop employability, leadership, and job-related skills.

Learners completing 75 hours of Work-based Learning or 25 hours of Community Service are Career Ready candidates toward North Dakota's Choice Ready Pathways.

Learners may also earn high school cooperative work experiences credit. CWE is measured on Career Ready Practice skills indicators as a Leader, Communicator, Critical Thinker, Collaborator, Timely Manager, and Skilled Employee.

Learning Beyond the Classroom

enables students to apply classroom learning in a real-world business or service-oriented work environment to enrich learning and expand career exploration.

Job Shadow/Observation:

A Job Shadow or Observation is an opportunity to pair a person who does the kind of work the learner wants to explore. Job Shadow/Observations generally last 1-5 hours and are typically limited to observing the worker. Job Shadows or Observations offer the learner:

- A first-hand look at the occupation
- An opportunity to observe and ask questions
- A possible “contact” in the field of work

Talk with your career advisor, school counselor, or with a career and technical education (CTE) instructor.

Cooperative Work Experience (CWE):

Cooperative Work Experience (cooperative education) is a job placement directly related to a learner’s classroom instruction in career and technical education (CTE). The learner must:

- Have earned 1 credit in a CTE pathway.
- Complete an application with the CTE mentor teacher, WBL Advisor, or Career Advisor.
- Have or be seeking paid or unpaid employment.
- Complete and confirm work hours of 75 hours for .5 credit or 150 for 1 credit.
- Complete a self-assessment and will receive an employer evaluation aligned to the six [Career Ready Practices](#).
- Maximum of 4 credits during their high school experience.

Capstone Experience:

A Capstone Experience is course open to senior students for related to their pathway or academy goals. Learners may register for a Capstone course or complete an approved senior experience. The Capstone experience will include research, a project, and presentation to an authentic audience.

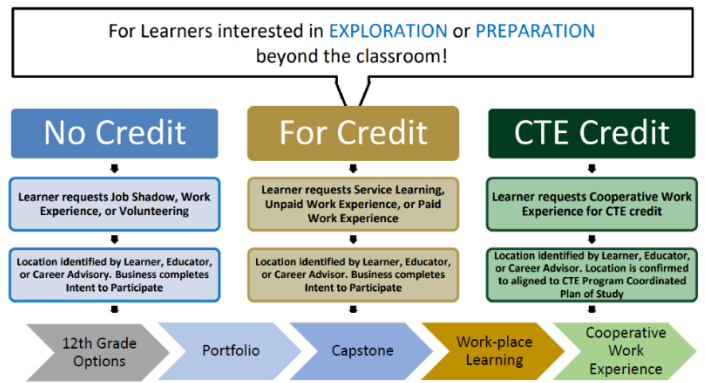
- Coursework and work experience required for .5 credit.

Career Management

Career Management helps students identify and evaluate personal goals and interests to help them make informed decisions toward a career and work experience. Learners must complete 60 hours to earn .5 credit. Counselor or Career Advisor approval required. Maximum of 1 credit. #20060.

Career Seminar

Supervised employment aligned to classroom instruction. Learner must be 16 years old and complete 60 hours to earn a .5 credit. A training agreement is recommended for goal setting and reflection. Counselor or Career Advisor approval required. This does not replace CWE. Maximum of 2 credits. #20076.



Education Workplace Experience

A work experience in childcare and teaching careers in preschool, elementary or middle school settings.

- Learners must be approved for placement through their school counselor or principal. Learners can earn up to 2 credits in high school.

Service Learning:

Service learning offers learners an opportunity to volunteer for others in their school or community while enhancing their educational experience and personal growth. Learners may earn up to one credit toward graduation by serving as a volunteer in the school system or through a non-profit agency.

Special Services Job Experience:

Career Development Job Experiences are arranged by the special services program case manager. Learners participate in a variety of activities to prepare for transition from high school to post-secondary training with emphasis on pre-vocational training. Learners complete job contracts with quarterly evaluations by supervisor and case manager or career and technical resource educator (CTRE).

Diversified Work Experience:

Diversified Occupations I & II Work Experience are designed to provide learners with indirect and direct education in career education related to their occupational interest. Learners complete monthly journals, submit paystub, provide supervisor evaluations, and write a final essay of their work experience to earn their Pass/Fail grade.

- Learner can earn up to 1 credit if enrolled in Work Experience prior to December 31 (new learners only can apply for one credit if they begin Community High in January).
- Learners can earn ½ credit if enrolled in Work Experience on or before March 1 (new learners only can apply for ½ credit if they begin Community High in March and enroll in March)
- CTE Course 25010 & 25120 - Grade(s): 11-12
Prerequisite: Principal approval
Credit: .5 or 1 (75 hours per .5 credit)

Profile of a Graduate Dispositions

are the convergence between academics, wellness, leadership, and career professional skills.

Disposition	The Profile of a Graduate Dispositions articulates the core values of West Fargo Public Schools for all members of the organization including our learners and staff.
Collaboration	Learners will work together, resolving controversy and conflict through respectful negotiations.
Compassion	Learners will demonstrate their understandings of the complexities of cultures and global issues and see viewpoints beyond their own in order to positively impact the world.
Creativity	Learners will take risks to develop and revise ideas.
Resilience	Learners will persist on the path toward physical and mental wellness despite impediments and challenges by defining and developing solutions to existing or future problems.
Communication	Learners will connect and share ideas; and select an appropriate format to express thoughts and ideas with integrity and appropriate digital citizenship.
Critical Thinking	Learners will systematically go beyond knowledge reproduction to reason, organize, summarize, interpret, analyze, and synthesize information in ways that generate a new understanding.
Reflection	Learners will take ownership in their learning by being empowered to take multiple pathways to demonstrate understanding and mastery.
Responsibility	Learners will be actively engaged in their learning and demonstrate responsibility, organization, and perseverance.
Proficiency Levels	Profile of a Graduate - West Fargo 6 School District https://www.west-fargo.k12.nd.us/about-us/district-overview/profile-of-a-graduate