



Agriculture, Engineering, Manufacturing & Technology

Nurturing a new generation of skilled innovators in agriculture, engineering, manufacturing, and technology, our high school career pathway envisions students harnessing cutting-edge knowledge and hands-on experiences that drive sustainable solutions, cultivate creativity, and engineer a future of growth and prosperity.

ACADEMIC COURSES

- Career Exploration and Planning
- Laker Manufacturing
- Welding
- Exploring Technology
- Robotics
- Intro to Ag
- Wildlife and Natural Resources
- Ag Sales and Entrepreneurship
- CAD
- Drones
- Landscape Design
- Ag Processing
- Ag Careers and Work Experience
- Plant Science
- Animal Science
- Laker Construction
- Shop 101
- Farm to Table [Local Foods]
- Woods
- Home and Car Maintenance
- Calculus
- Statistics

JOB SKILLS

In addition to have technical skills, employers expect works in this industry to have these skills:

- Communication
- Time Management
- Critical Thinking
- Problem Solving
- Collaboration
- Decision Making

CAREER EXPERIENCES

- Learn from Industry Speakers
- Attend 9th Grade Career Expo
- Attend 10th Grade Sneak a Peek
- Attend 11th Grade College Fair
- Tour Local Businesses
- Work with Real-Life Industry Projects
- Complete 12th Grade Graduation Capstone

COMPLETION STANDARDS

- Complete 7 Credits from Pathway
- Earn C or Higher in Pathway
- Complete Senior Capstone Project
- Complete an Approved Work Experience
- Earn a Certificate and Green Cord at Graduation



MINNESOTA STATE
CAREERwise

EXPLORE TYPES OF CAREERS

www.careerwise.minnstate.edu/careers

REVIEW THE LOCAL JOB OUTLOOK

www.careerwise.minnstate.edu/jobs

FIND POSTSECONDARY PROGRAMS

www.careerwise.minnstate.edu/education



Business, Communication & Entrepreneurship

Empowering high school students through innovative business education, fostering a passion for entrepreneurship, and cultivating essential skills for successful careers, as we strive to shape future leaders and contributors to a dynamic and evolving global economy.

ACADEMIC COURSES

- Career Exploration and Planning
- Entrepreneurship
- Accounting
- Public Speaking
- Digital Media and Yearbook
- Ceramics
- Studio Art
- Economics
- Sculpture
- Intro to Business
- Photography
- Marketing
- Graphic Design
- Intro to Cooking
- Global Foods
- Interior Design and Housing
- Computer Essentials
- Drawing
- Culinary Arts
- Independent Living
- Painting
- Print Technologies
- Intro to Art
- Band
- Choir
- Spanish I, II, III, and IV
- Coop-Work Based Learning
- Intro to Drama and Theatre Arts
- Journalism

JOB SKILLS

In addition to have technical skills, employers expect works in this industry to have these skills:

- Active Listening
- Time Management
- Critical Thinking
- Problem Solving
- Collaboration
- Decision Making

CAREER EXPERIENCES

- Learn from Industry Speakers
- Attend 9th Grade Career Expo
- Attend 10th Grade Sneak a Peek
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- Tour Local Businesses
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Health Science and Human Services

Empowering high school students in the health sciences and human services career pathway to become compassionate and skilled professionals, fostering a commitment to holistic well-being, innovation in healthcare and transformative service to individuals and communities.

ACADEMIC COURSES

- Career Exploration and Planning
- Anatomy and Physiology
- Chemistry
- Physics
- Medical Terminology and Careers
- Advanced Health
- Lifetime Fitness
- World Wars
- Health
- Human Development
- Biology
- American Government
- Certified Nurses Assistant [CNA]
- Sports Officiating
- Individual Sports
- Teachers Assistant
- Psychology
- Athletic Development
- Sociology
- Work Experiences

JOB SKILLS

In addition to have technical skills, employers expect works in this industry to have these skills:

- Communication
- Time Management
- Critical Thinking
- Problem Solving
- Collaboration
- Decision Making
- Interpersonal Skills

CAREER EXPERIENCES

- Learn from Industry Speakers
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