

INFORMATION TECHNOLOGY

Networking – Database - Programming

Computer technology is integrated into all aspects of our lives – far beyond gaming and social media. Occupational demand for networkers, programmers and database administrators is high! Your love of computers can lead to a career identifying complex technology challenges and creating innovative solutions.



Explore principles, tools, and techniques used in the fields of information technology. Networking students will learn skills hardware troubleshooting, computer communications and network protocols, security, and network operation systems. Programming students will focus on coding, web development, mobile apps, and application development in multiple operating systems. Database curriculum covers key concepts in data development, storage, security and retrieval.

AG/BIOSCIENCE

"Anything found to be true of E. coli must also be true of elephants."

-- Jacques Monod, 1954; Nobel Prize in Physiology or Medicine, 1965 for their discoveries concerning genetic control of enzyme and virus synthesis

As this quote implies, understanding life from the DNA level reveals a common thread that ties all of life together.



Successful completion of this pathway could provide students with the tools to address feeding the growing world population, designing pharmaceuticals, working in agriculture, medicine, environmental, or veterinary fields with a capstone course taking a molecular view through biotechnology.

FOOD SCIENCE

Our society faces many challenges in feeding the world today. The ever-expanding field of food science encompasses a wide range of careers in food-related work, the nation's largest occupational sector.



Students in the Food Science pathway will be introduced to the study of the physical biological, and chemical make-up of food. They will explore concepts in discovering new food sources, the creation of new products including the historical, social, physiological, nutritional, industrial, legal and psychological issues affecting consumption and production.

HEALTH SCIENCES

CNA/Nursing - EMT

The development of amazing technology combined with an unprecedented aging population has created an explosion of jobs in the health care industry! If you desire a meaningful career that offers a lifetime of opportunities and the ability to help others, consider a career in health sciences.



This pathway will provide students the opportunity to explore careers in healthcare and work toward Certified Nursing Assistant (CNA) or Emergency Medical Responder certification. Practice with hands-on training in a simulated setting and focus on learning concepts essential for pursuing a career in the health industry.

K-12 EDUCATION

Take, transfer, teach! Students will complete courses to prepare for transfer into education programs at four-year colleges and universities or work toward a 2+2+2 transfer program from high school to SCC to some college/university programs.



Explore strength identification, relationship building, presentation skills, career field opportunities, technology tools, and passion for teaching. Research admissions requirements and transfer options for desired four-year institutions.

EARLY CHILDHOOD

The first five years of a child's life are known to be the most important to accomplish key developments in mind and body. Your passion for working with young children and their families can lead to a rewarding career and making a difference in a child's future!



Learn skills to establish and maintain a safe, healthy learning environment for young children while providing positive guidance. Students will have the opportunity to work with infants, toddlers and preschoolers in a practicum setting to apply theories and techniques.

CULINARY

A passion for food and commitment to service can lead to exciting opportunities. Whether your goal is to be a personal chef, own a premier restaurant, or be part of a five-star hospitality team, it all begins with hands-on practical experience. The Culinary Pathway is designed for students to build knowledge and skills required for food preparation and service careers.



Students will gain experience in planning, selecting, purchasing, preparing and serving quality food products, as well as basic nutrition and safety and sanitation procedures. Focus on hands-on experience in all facets of culinary preparation and presentation is emphasized throughout the curriculum.

PRECISION MACHINING

Modern manufacturing is crafting the world we experience every day. Taking the imagined to the machines, students in manufacturing convert ideas, CAD designs, and raw materials into the tools and products we use in everyday life. The tools are cool - just "imachine" the possibilities!



The Precision Machining Pathway gives students the opportunity to develop the skills and abilities necessary to be a part of an engineering team that is creating the world. Curriculum includes practice in traditional and computer-aided drafting, layout and design of fabricated products, the study of materials used in manufacturing, plant layout, materials handling, manufacturing processes, and the use of machines.

CONSTRUCTION CAREERS

Residential Building – Electrical – HVAC - Masonry

Gain hands-on exposure to the world of construction careers. Employers are looking for skilled, motivated professionals who are capable of meeting industry demands while remaining committed to lifelong learning on-the-job. A combination of formal training with practical experience will enhance your construction career opportunities.



Students will choose to specialize in residential construction, masonry, electrical, or HVAC. Curriculum will provide knowledge of residential & commercial construction skills, career awareness and training options, design, layout and estimating.

WELDING

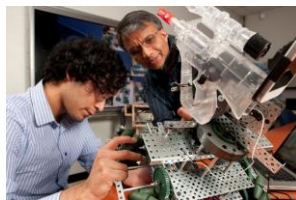
Welding is part of just about everything you see and touch every day – from the car you drive, to the school building you attend. Welding skills are in high demand and a career in welding gives you the opportunity to join innovative people who are creating the products of tomorrow.



Learn basic metal fabrication and entry-level techniques to build and repair structures or products using OXY/FUEL and PLASMA cutting, ARC, MIG and TIG welding. Students work on projects in a detailed, hands-on environment to prepare for a career in the welding industry.

ENGINEERING

The latest phone, the next car - the future world. Engineers turn the problems of today into solutions and the industries of tomorrow. The engineering curriculum coupled with access to 3-D printers, computer-aided manufacturing machines, and professional engineers will launch students into a trajectory of amazing possibilities.



The Engineering Pathway takes the students' Project Lead the Way experiences to a new level. Explore the fundamental concepts related to design drafting, engineering processes, and manufacturing concepts.

BUSINESS

Entrepreneurship – Client Relations – Business Administration

Think you have what it takes to start your own business? Or to become a leader with one of Nebraska's most successful companies? Your options are endless. The ever-changing world of business calls for students who come prepared to take action and have the ability to apply their skills to real-world business challenges.



The Business Pathways provide students the opportunity to develop skills to be successful in customer-focused careers and gain experience in the areas of technology, communication, and management. Entrepreneurship students will explore the basics of business ownership and practice developing a business plan while organizing and directing all functions of operating a business.