



DISCOVER AND **EXPLORE** what you will learn by participating in one of the following **CAREER PATHWAYS**:

Agricultural Mechanics Systems Pathway

Prepares students with knowledge and skills in the areas of repair, maintenance, or restoration of agricultural machinery and equipment, as well as knowledge and skills concerning alternative fuel sources, precision technology, woodworking, metalworking, welding, and project planning.

Agricultural Production Systems Pathway

Prepares students with skills in a wide range of agricultural practices in the areas of natural resources, animal/plant science, agricultural mechanics, and agribusiness which includes principles of managing and operating an agricultural business, entrepreneurship, and records and financial analysis.

Animal & Veterinary Science Pathway

Prepares students with knowledge and skills in a wide range of animal agriculture principles, including anatomy/physiology, reproduction, nutrition, health/disease management, animal ethics/safety, and practices associated with veterinary medicine and small animal care.

Food Science, Dietetics & Nutrition Pathway

Prepares students for careers centered on the science of food from preparation to development and its relationship to the health and wellbeing of people.

Natural Resource Science Pathway

Prepares students with the knowledge and skills related to the biological, environmental, and economic importance of our renewable natural resources, environmental and wildlife science and management, forestry and rangeland science and management including the concepts of multiple-use and stewardship of our natural resources.

Plant Science Pathway

Prepares students with knowledge and skills in the areas of horticulture, floriculture, nursery operations, landscape management and agronomic skills in basic crop systems management including plant propagation, irrigation, cultivation and harvesting of agricultural crops.

ARCHITECTURE & CONSTRUCTION



 Learning that works for Utah

DISCOVER AND EXPLORE what you will learn by participating in one of the following **CAREER PATHWAYS**:

Architectural Design (CAD) Pathway

Prepares students for careers in architecture, civil engineering, and construction industries by developing skills in 2D and 3D computer-aided design (CAD) and architectural drafting conventions.

Construction & Structural Systems Pathway

Prepares students for engaging careers in the construction trades by providing hands-on training in carpentry, plumbing, electrical, and construction management concepts.

Interior Design Pathway

Prepares students with the skills to apply the elements and principles of design to interiors. Students will learn to determine the scope of a project, develop and present a proposal, and implement a project.

“CTE is life changing! I want to become an interior designer. I want to make indoor spaces functional, safe, and beautiful. CTE courses provided me with more skills and training than I even thought was possible as a high school student. CTE programs have equipped me with the tangible skills sought by industry leaders.”

Natasha Shaw

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 CTE Learning that works for Utah

DISCOVER AND EXPLORE what you will learn by participating in one of the following **CAREER PATHWAYS**:

Broadcasting & Digital Media Pathway

Prepares students with advanced knowledge and skills for careers in the radio and television industries.

Fashion, Apparel & Textiles Pathway

Prepares students for careers in the global industry and entrepreneurial opportunities by teaching apparel and product design using various construction techniques. Students will also understand the skills and procedures necessary for sales and marketing in the fashion industry.

Graphic Design & Communication Pathway

Prepares students by presenting coursework and projects that promote building of creative portfolios.

“CTE courses taught me how to be responsible, how to be technically literate, how to collaborate, how to think critically, and how to be independent. I use these skills every day and I know they will help me during the rest of my life. My graphic design teacher taught me the basic skills I lacked to think through problems. He taught me how to think critically and how to think for myself.”

Paige Crane

BUSINESS, FINANCE & MARKETING



 CTE Learning that works for Utah

DISCOVER AND **EXPLORE** what you will learn by participating in one of the following **CAREER PATHWAYS**:

Accounting & Finance Pathway

Prepares students with the knowledge and skills to formulate and analyze financial information for use in financial management. This Pathway can lead to careers such as a certified public accountant (CPA), auditor, financial advisor, financial officer, etc.

Business Administration Pathway

Prepares students to become future business leaders by gaining key skills and knowledge in organizational strategies, management, communication, and problem-solving. This Pathway can lead to careers such as business management, human resources, organizational leadership, etc.

Business Information Management Pathway

Prepares students with the concepts and principles needed to effectively utilize analytics and technology to solve business problems. This Pathway can lead to careers such as business systems project manager, business systems analyst, consulting, etc.

Marketing Pathway

Prepares students with the knowledge and skills to effectively market a product through learning the importance of market research, price, placement, and promotion. This Pathway can lead to careers such as marketing strategy, advertising, sales, brand management, public relations, etc.

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DISCOVER AND **EXPLORE** what you will learn by participating in one of the following **CAREER PATHWAYS**:

Cybersecurity Pathway

Prepares students with academic, technical and employability skills for a career in cybersecurity through coursework, work-based learning opportunities, CTSO organizations, and opportunities to earn college credit and industry certifications in high school. Students will be prepared for diverse post-high school education opportunities.

Information Technology Systems Pathway

Information technology careers are available in every sector of the economy. The information technology industry is a dynamic and entrepreneurial field that continues to have a revolutionary impact on the economy and on the world. Students in the information technology pathway learn and practice skills that give them college credit, industry certifications, and prepares them for diverse post-high school education.

Programming & Software Development Pathway

Prepares students with essential skills such as critical thinking, computational thinking, problem solving, and mathematical reasoning. Students will also acquire essential coding skills in various languages to give them a competitive advantage for jobs in the computer science industry.

Web Development Pathway

Includes work that involves creating, designing, and producing of interactive multimedia products and services. Students in this Pathway learn and practice skills that give them college credit, industry certifications, and prepares them for industry work and post-high school education.

EDUCATION & TRAINING



 CTE Learning that works for Utah

DISCOVER AND **EXPLORE** what you will learn by participating in one of the following **CAREER PATHWAYS**:

Pre-K: Early Childhood Education Pathway

Prepares students for a career in early childcare and education. Students learn to provide guidance, promote positive and productive relationships with children and their families, and maintain a safe and healthy learning environment for young children.

K-12: Teaching as a Profession Pathway

Prepares students to explore various careers in education and develop employability skills to become a successful professional.

“I want to be able to pass on my love for teaching to students who share my same passion. I have taken many CTE classes throughout my high school career. Many of the classes have given me a way to choose what type of teacher I want to be. A lot of the teachers at my high school influenced me [in my decision] for the career I have chosen.

Luke Chatwin

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ENGINEERING & TECHNOLOGY



 CTE Learning that works for Utah

DISCOVER AND EXPLORE what you will learn by participating in one of the following **CAREER PATHWAYS**:

Engineering Pathway

Prepares students for careers in a variety of engineering disciplines by developing skills in the design process and offering multiple opportunities to respond to engineering design challenges in a meaningful and disciplined manner.

Mechanical Design (CAD) Pathway

Prepares students for careers in engineering and design by developing skills in 2D and 3D computer-aided design (CAD) and mechanical drafting conventions.

“The CTE courses I completed guided me towards my future career. I did not know what I wanted to go into and taking these courses convinced me to go into engineering. I have gained so many valuable skills from taking CTE courses that will help me not only in the workplace but in my everyday life. Taking CTE courses in engineering showed me a glimpse of what working as an engineer will be like.”

Selena Pham

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HEALTH SCIENCE



 CTE Learning that works for Utah

DISCOVER AND EXPLORE what you will learn by participating in one of the following **CAREER PATHWAYS**:

Health Science Pathway

Prepares students for employment and/or continuing education opportunities in healthcare through technical instruction in the classroom, experiential education in the laboratory, work-based learning opportunities in clinical settings, and leadership skills through HOSA.

“By taking the CNA and EMT courses in high school, through the [Health Science] Pathway, I’m better prepared to enter the workforce. These courses allowed me to gain hands-on learning and on-the-job training through internships, and receive instruction from actual teachers who work in the field. I can leave high school with experience that enables me to enter the workforce in a meaningful field, as opposed to an entry-level position making minimum wage.”

Taylor Brown

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HOSPITALITY & TOURISM



 CTE Learning that works for Utah

DISCOVER AND **EXPLORE** what you will learn by participating in one of the following **CAREER PATHWAYS**:

Culinary Arts Pathway

Prepares students for careers in the food service industry. Students will receive training in the fundamentals and principles of the art of cooking and the science of baking, including management and production within food service.

Hospitality & Tourism Pathway

Prepares students with the knowledge and skills needed to manage, market, and operate a variety of businesses within the hospitality and tourism industry. These include industries such as travel agencies, hotel and lodging, event planning, restaurants, etc.

“I’m planning to work in a professional restaurant environment and become an assistant chef, as well as a manager. I want to learn how to become an executive chef and manager by accumulating enough knowledge about the creative arts of the culinary industry. The CTE courses I took gave me the insight and knowledge I need to connect with what I have learned and apply them directly towards the real world.”

Alexander Wilkey

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HUMAN SERVICES



 **CTE** Learning that works for Utah

DISCOVER AND **EXPLORE** what you will learn by participating in one of the following **CAREER PATHWAYS**:

Personal Care Services Pathway

Prepares students with/for professional licensure in the hair, skin, and nail service industries including cosmetology, hair design, barbering, esthetician, or nail technician.

“My time spent [in CTE] gave me the opportunity to understand what working in a full-service salon would be like. I’ve learned customer service, time management, and work ethic. If it wasn’t for CTE, I wouldn’t have a plan for life after high school, and I wouldn’t know what career path to follow. CTE taught me the importance of hard work and what to plan for after high school.”

Karsyn Short



 CTE Learning that works for Utah

DISCOVER AND **EXPLORE** what you will learn by participating in one of the following **CAREER PATHWAYS**:

Protective Services Pathway

The Protective Services Pathway prepares students with the knowledge and skills necessary to continue education and ultimately obtain a successful career in law, public safety, security, police and fire science.

“I participated in a CTE internship with the Unified Fire Authority. This internship was one of the most valuable learning experiences I have had. It provided me with the opportunity to use the information and techniques acquired in class and apply during a medical emergency. I had the opportunity to go on several ride-a-longs, service calls, and spend time at the fire house. Getting to work alongside some of the finest firefighters in the valley has only strengthened my desire to become one.”

Tate Rowley

MANUFACTURING



 CTE Learning that works for Utah

DISCOVER AND **EXPLORE** what you will learn by participating in one of the following **CAREER PATHWAYS**:

Manufacturing & Production Pathway

Prepares students for careers in a manufacturing and production environment by developing skills in forming and shaping materials into useful products using sound techniques and Lean Manufacturing principles.

Welding & Machining Pathway

Prepares students with skills that involve turning materials into finished products using skills to design products, set up and safely operate tools and equipment, fabricate with different materials, and prep and finish completed products. Testing of finished product and evaluation of the processes involved are important steps in every manufacturing process.

“I used to be confused about what I wanted to do in the future but not anymore. Taking welding helped me decide that I really want to pursue a welding career. Welding taught me many valuable leadership and workplace skills. My welding teacher has been the most influential in my career choice. He has made me want to learn more and pushed me to do better. If it weren't for him, I wouldn't have found such an interest in the field.”

Omar Sanchez

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TRANSPORTATION, DISTRIBUTION & LOGISTICS



 **CTE** Learning that works for Utah

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Aviation Pathway

Prepares students for a lofty career in the field of aviation. There are two areas of concentration including flight training and airframe and powerplant maintenance.

Auto Mechanics & Repairs Pathway

Prepares students for fast paced careers as automotive and auto body repair technicians.

Diesel Pathway

Prepares students to engage with heavy machinery including heavy construction equipment and over-the-road trucks that keep our economy moving forward.

“The CTE classes I participated in helped open a new world of opportunities that matched what I like to do, and what I want to do. I plan to become a mechanic, diesel mechanic, or a welder. I learned that productive planning is the key to success, because failing to plan is planning to fail. Taking CTE courses opened up new opportunities and helped me have an appreciation for skilled trades.”

Anthony Berky

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