

## CTEC Program Descriptions

Salem-Keizer Public School's Career Technical Education Center or CTEC, offers ten exciting and innovative Career Technical Education programs (descriptions follow). Students apply to CTEC during their 10th year. CTEC is open to 11th and 12th grade students in the Salem-Keizer School District. CTEC programs provide the competitive advantage needed to tap into the high wage, high demand jobs of the future.

### Auto Body Repair and Painting

- Create custom modifications using modern welding, sanding, masking, and creative painting techniques
- Operate industry standard collision repair and painting equipment
- Restore a variety of damaged vehicles by applying advanced techniques of metal fabrication, adhesive repair, and creative refinishing

#### CAREER FOCUS

Prepared for immediate employment, advanced certifications, and further education

#### WORK-BASED EXPERIENCE

- Certifications
- College Credit
- Faa Part 61 Pilot Licensing
- Faa Part 107 Drone Certification and Licensing
- National Competitions

### Aviation

- Explore and learn all aspects of the aviation industry ranging from flight, logistics, maintenance, baggage, airport systems, avionics, etc.
- Work alongside industry professionals with an opportunity to earn licensure as an airplane pilot, an aircraft maintenance technician, or a drone pilot.
- Build, program, and operate high-tech drones to perform data-gathering missions

#### CAREER FOCUS

Prepared for immediate employment, advanced certifications, and further education

#### WORK-BASED EXPERIENCE

- FAA Part 61 Pilot Licensing
- FAA Part 107 Drone Certification and Licensing
- National Competitions

### Behavioral Health and Human Services

- Facilitate and observe group play therapy, individual therapy, and art therapy
- Work alongside industry professionals to understand trauma and create treatment plans
- Learn fundamental wellness skills that can be utilized on self and others

## WORK-BASED EXPERIENCE

- Local Internships
- Certifications
- College Credits

## Biotechnology and Medical Science

- Operate multiple high-tech laboratories to apply biochemistry, molecular biology, nutrition and anatomy principles needed to address the growing biotechnology industry
- Implement and understand biotechnology practices through the lens of plant science
- Work with business and industry experts in biotechnology, bioscience, medical science, and clinical laboratories
- Opportunities to earn college credits in communications, biology and medical sciences, certifications in food handling and Biotechnology

## CAREER FOCUS

Prepared for immediate employment, advanced certifications, and further education

## WORK-BASED EXPERIENCE

- Certifications
- College Credit

## Cosmetology

- Express individual creativity by providing a wide range of artistic hair, nail, skin care, and barbering services using the latest technology, trends, and name-brand products
- Operate and experience a full-service, interactive salon and spa environment
- Work alongside professional cosmetologists to explore all aspects of quality salon services and management

## CAREER FOCUS

Prepared for immediate employment, advanced certifications, and further education

## WORK-BASED EXPERIENCE

- National Competitions
- Licensure
- College Credit

## Culinary Arts and Management

- Express individual creativity as part of a team that develops entire meals, unique dining experiences, and delivers great customer service
- Cook alongside professional chefs in a modern commercial kitchen setting
- Operate fast-paced restaurant venues such as food trucks, deli, and catering services

## CAREER FOCUS

Prepared for immediate employment and further education

## WORK-BASED EXPERIENCE

- National Culinary Competitions

- Food Trucks/Cafe

## Law Enforcement

- Work alongside and learn from certified law enforcement, FBI, and legal professionals who keep the community safe
- Examine state and federal laws while learning about the critical roles of police, corrections, and rehabilitation in the criminal justice system
- Strengthen your mind and body through rigorous mental and physical training, including advanced self-defense tactics

### CAREER FOCUS

Prepared for cadet programs, immediate employment, advanced certifications, and further education

### WORK-BASED EXPERIENCE

- Ride-Alongs
- College Credit

## Manufacturing, Welding, and Engineering

- Operate professional CAD and manufacturing equipment to invent, design, and engineer the same types of precision parts, tools, and products used worldwide
- Work with advanced welding and machining techniques to join, cut, bend, and manipulate materials for industrial and artistic applications
- Produce solutions for complex engineering challenges from concept to completion

### CAREER FOCUS

Prepared for immediate employment, advanced certifications, and further education

### WORK-BASED EXPERIENCE

- National Competitions
- College Credit

## Residential Construction

- Design and build an upscale residential home from the ground up
- Work alongside industry professionals in all aspects of architecture and building including foundations, walls, roofing, and interior and exterior finishing
- Operate professional equipment and power tools for all aspects of construction

### CAREER FOCUS

Prepared for immediate employment, advanced certifications, and further education

### WORK-BASED EXPERIENCE

- Certifications
- College Credit

## Video and Game Design

- Produce original content for local industry partners that is shown on social media and statewide television
- Work with professional technologies to create virtual worlds, virtual reality (VR), and 3D modeling to achieve inspiring results

- Collaborate to brainstorm, storyboard, and create unique 3D animation, computer graphics, games, and videos

#### CAREER FOCUS

Prepared for immediate employment, advanced certifications, and further education

#### WORK-BASED EXPERIENCE

- National Competitions
- Certifications

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*Salem-Keizer Public Schools promotes equal opportunity for all individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, marital status, age, veteran's status, genetic information or disability. For more information, please view our Nondiscrimination /Title IX policy.*

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For more information about our programs and to apply, please visit [CTEC's website](https://ctec.salkeiz.k12.or.us) at <https://ctec.salkeiz.k12.or.us>.