

# Career and Technical Education: Career and College Opportunities

## ADA Compliant Version

### Agriculture (McKay)

- Explore a wide variety of experiences related to agriculture, animal science, horticulture, soil conservation, and veterinary medicine in a real-world lab.
- Use advanced technology and equipment to grow and maintain sustainable landscapes and farm-to-table produce.
- Design, construct, and manage all aspects of landscaping, farming, and greenhouse technology.  
**CAREER FOCUS:** Prepared for immediate employment, advanced certifications, and further education. FFA/LEADERSHIP, WORK-BASED EXPERIENCE, COLLEGE CREDIT.

### Audio Production Technology (McKay; McNary)

- Create music, film, and TV master recordings as an audio engineer and producer.
- Express your own unique sound alongside other creative individuals.
- Develop, produce, and deliver a wide range of soundtracks using advanced equipment, mixers, and sound effects technology.  
**CAREER FOCUS:** Prepared for immediate employment and further education. WORK-BASED EXPERIENCE, PROFESSIONAL PORTFOLIO, SCHOLARSHIPS.

### Auto Body Repair Technology (Career and Technical Education Center)

- Create custom modifications using modern welding, sanding, masking, and creative painting techniques.
- Operate the same collision repair and painting equipment as industry professionals.
- 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. CERTIFICATIONS, WORK-BASED EXPERIENCE, COLLEGE CREDIT.

### Automotive Technology (McKay; McNary)

- Work on foreign and domestic cars, trucks, and hybrid vehicles in a high-tech precision industry.
- Use the same advanced diagnostic and repair equipment as industry professionals to troubleshoot complex automotive systems.

- Maintain, repair, and fine-tune a wide range of vehicle engines alongside an ASE Master Technician.  
**CAREER FOCUS:** Prepared for immediate employment, advanced certifications, and further education. CERTIFICATIONS, WORK-BASED EXPERIENCE, COLLEGE CREDIT.

## Aviation

- Work alongside aviation professionals in the fields of piloting, aircraft maintenance, and drones at the Salem Municipal Airport.
- Apply emerging technologies to perform aircraft repairs, navigate flight simulators, and program drone technology.
- Maintain, repair, and operate airplane and avionics systems including navigation, communications, engine control, and flight controls.  
**CAREER FOCUS:** Prepared for immediate employment, advanced certifications, and further education.  
FAA PART 61 PRIVATE PILOT LICENSE, FAA PART 107 DRONE CERTIFICATION, AIRCRAFT MAINTENANCE CERTIFICATION, COLLEGE CREDIT, INTERNSHIPS.

## Banking and Finance (West Salem)

- Conduct a wide range of cash and banking transactions during the daily operation of a credit union.
- Use powerful software applications, strategies, and techniques in both personal and corporate finance.
- Generate, analyze, and interpret critical financial data leading to sound fiscal management.  
**CAREER FOCUS:** Prepared for immediate employment and further education. INTERNSHIPS, WORK-BASED EXPERIENCE, COLLEGE CREDIT.

## Basic Nursing Assistant (McKay)

- Experience the passion of providing quality patient care in a variety of healthcare settings.
- Work alongside a registered nurse in a clinical environment to perform various tests and procedures.
- Provide therapeutic treatments, take vital signs, and transfer patients in a long-term care facility.  
**CAREER FOCUS:** Prepared for state licensure, immediate employment, advanced certifications, and further education. CLINICAL INTERNSHIPS, CERTIFICATIONS, COLLEGE CREDIT.

## Behavioral Health and Human Services (Career and Technical Education Center)

- Work alongside behavioral health professionals to explore the diagnosis and treatment of anxiety, depression, substance abuse, and other mental health issues.
- Implement mental and behavioral health treatments such as support groups, counseling, peer supports, psychotherapy, and just-in-time care.
- Identify and improve outcomes in individuals and families with life stressors, health behaviors, stress-related physical symptoms, and mental health crises.  
**CAREER FOCUS:** Prepared for immediate employment, advanced certification, and further education. COMMUNITY-BASED HEALTH WORKER CERTIFICATION, MENTAL HEALTH FIRST AID, YOUTH MENTAL HEALTH FIRST AID, WELLNESS COACH CERTIFICATION, COLLEGE CREDIT, INTERNSHIPS.

## Biotechnology and Medical Science (Career and Technical Education Center)

- 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.

## Broadcast Journalism (South Salem)

- Showcase creative and artistic talents using professional equipment and media to exceed client expectations.
- Develop, produce, and deliver original content for commercial broadcasts from concept to completion.
- Work individually and in teams to create dynamic programming for radio, television, and social media.

**CAREER FOCUS:** Prepared for immediate employment and further education. WORK-BASED EXPERIENCE, ADVANCED TECHNOLOGY, SCHOLARSHIPS.

## Business Development and Leadership (Career and Technical Education Center)

- Discover what it takes to be the boss, build a thriving enterprise, and provide unique customer experiences.
- Develop a competitive business mindset by operating a successful CTEC company.
- Master a wide range of dynamic business strategies for creating, communicating, and delivering products and services.

**CAREER FOCUS:** Prepared for immediate employment and further education. NATIONAL COMPETITIONS, WORK-BASED EXPERIENCE, COLLEGE CREDIT.

## Business Entrepreneurship (Roberts)

- Develop a competitive business mindset by operating successful student enterprises.
- Create strategic business plans and retail marketing campaigns using a wide range of entrepreneurial and managerial resources.
- Utilize professional business and financial tools, software, and practices to achieve sound financial management.

**CAREER FOCUS:** Prepared for immediate employment and further education. WORK-BASED EXPERIENCE, SCHOLARSHIPS.

## Business Management (McNary)

- Create strategic business plans and retail marketing campaigns using a wide range of entrepreneurial and managerial resources.
- Use the same business and financial tools, software, and practices utilized by professionals.
- Operate various types of businesses, accounting applications, and strategies for sound financial management.

**CAREER FOCUS:** Prepared for immediate employment and further education. FBLA/LEADERSHIP, NATIONAL COMPETITIONS, SCHOLARSHIPS.

## Cabinetmaking (North Salem)

- Design and build custom furniture and cabinetry.
- Operate a wide range of professional equipment to create projects for a variety of customers.
- Interpret plans and specifications to construct custom products from raw materials.

**CAREER FOCUS:** Prepared for apprenticeships, immediate employment, and further education. WORK-BASED EXPERIENCE, COLLEGE CREDIT, ADVANCED TECHNOLOGY.

## Computer-Aided Drafting (Sprague)

- Create products using the same design, drafting, and 3D printing as professional engineers and architects.
- Solve problems alongside industry professionals to find creative solutions to complex engineering and architectural challenges.
- Develop a comprehensive portfolio of computerized mechanical and architectural drafting designs.

**CAREER FOCUS:** Prepared for immediate employment, advanced certifications, and further education. COLLEGE CREDIT, PRINTING TECHNOLOGY, WORK-SITE VISITS.

## Computer Programming (South Salem, Sprague, West Salem)

- Express creativity and unlock solutions to complex problems through the universal language of computers.
- Program in advanced languages such as HTML, Robot C, JAVA, C++, and JavaScript.
- Develop software that powers the modern world, from video games to interactive websites, mobile apps, robotics, and business applications.

**CAREER FOCUS:** Prepared for immediate employment and further education. COLLEGE CREDIT, WORK-BASED EXPERIENCE, SCHOLARSHIPS.

## Construction Technology (McKay, McNary)

- Design, manage, and build a variety of structures and products from concept to completion.
- Interpret plans and specifications to construct custom products from raw materials.
- Work independently and in teams in all aspects of construction, including framing, roofing, plumbing, wiring, and finishing.

**CAREER FOCUS:** Prepared for apprenticeship, immediate employment, and further education. WORK-BASED EXPERIENCE, COLLEGE CREDIT, COMMUNITY PROJECTS.

## Cosmetology (Career and Technical Education Center)

- Express individual creativity by providing a wide range of artistic hair, nail, skincare, 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 state licensure, immediate employment, advanced certifications, and further education. LICENSURE, NATIONAL COMPETITIONS, WORK-BASED EXPERIENCE.

## Culinary Arts (McKay, McNary, North Salem, South Salem)

- Craft traditional and innovative cuisine using flames, knives, and creative chemistry.
- Cook alongside industry professionals preparing appetizers, soups, salads, entrées, and desserts.
- Express creativity as part of a team that designs menus, prepares meals, organizes catered events, and develops exceptional dining experiences.

**CAREER FOCUS:** Prepared for immediate employment, advanced certifications, and further education. WORK-BASED EXPERIENCE, NATIONAL CULINARY COMPETITIONS, CERTIFICATIONS.

## Early Childhood Education (North Salem, West Salem)

- Operate an interactive preschool program that delivers hands-on learning activities to prepare children for kindergarten.
- Plan activities to enhance a child's intellectual, social, emotional, and physical development
- Teach small- and large-group lessons to preschool-aged children.

**CAREER FOCUS:** Prepared for immediate employment, advanced certifications, and further education. COLLEGE CREDIT, INTERNSHIPS, WORK-BASED EXPERIENCE.

## Education and Teaching (Roberts, Sprague)

- Teach in the classroom alongside professional educators serving a diverse population of students.
- Develop relationships to motivate younger students for academic success.
- Design dynamic classroom learning activities using modern technology and practices.

**CAREER FOCUS:** Prepared for immediate employment and further education. COLLEGE CREDIT, CERTIFICATIONS, INTERNSHIPS.

## Emergency Services (West Salem)

- Fight fires, rescue, extricate, and treat victims while keeping your community safe as a first responder.
- Operate a wide range of firefighting and life-saving equipment alongside professional firefighters and EMTs.
- Protect life and property by managing all phases of fire suppression, prevention, inspection, and emergency rescue.

**CAREER FOCUS:** Prepared for national certifications, immediate employment, and further education. CERTIFICATIONS, WORK-BASED EXPERIENCE, COLLEGE CREDIT.

## Engineering Technology (McKay, North Salem)

- Use tools and techniques found in advanced robotics, electronics, Computer-Aided Design (CAD), and Computer-Aided Machining (CAM) technologies.
- Find creative solutions to complex engineering challenges while working individually and in teams.
- Visualize and construct 3D models and prototypes.

**CAREER FOCUS:** Prepared for immediate employment and further education. NATIONAL ROBOTIC COMPETITIONS, 3D PRINTING & MODELING, ADVANCED TECHNOLOGY.

## Graphic Design (McNary, North Salem, South Salem)

- Create dynamic illustrations, logos, and advertisements including traditional and photographic art.
- Design, produce, and deliver a wide range of creative marketing materials for print and web media.
- Showcase your artistic abilities alongside other creative individuals while creating a professional portfolio.

**CAREER FOCUS:** Prepared for immediate employment and further education. PROFESSIONAL PORTFOLIO, WORK-BASED EXPERIENCE, COLLEGE CREDIT.

## Health Services (North Salem, West Salem)

- Cultivate a passion for providing quality patient care in a variety of healthcare settings.
- Perform detailed medical and trauma patient assessments using advanced medical and diagnostic equipment.
- Experience the thrill and reward of saving lives in emergency situations and simulations.

**CAREER FOCUS:** Prepared for state board license, immediate employment, advanced certifications, and further education. JOB SHADOW/INTERNSHIPS, STATE BOARD EMT LICENSE, COLLEGE CREDIT.

## Law Enforcement (Career and Technical Education Center)

- Work with certified law enforcement and counter-terrorism professionals who keep the community safe.
- Examine state and federal laws and 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. RIDE-ALONGS, WORK-BASED EXPERIENCE, COLLEGE CREDIT.

## Manufacturing (South Salem)

- Work independently and in teams to design, build, assemble, and repair various metal and wood products.
- Use advanced welding techniques and fabrication equipment to join, cut, bend, and manipulate materials for industrial and artistic applications.
- Operate a wide range of professional power tools and computerized equipment to build a variety of custom furniture and carpentry projects.

**CAREER FOCUS:** Prepared for immediate employment and further education. WORK-BASED EXPERIENCE, INDUSTRIAL TECHNOLOGY, SCHOLARSHIPS.

## Manufacturing, Welding, and Engineering (Career and Technical Education Center)

- Use professional CAD and manufacturing equipment to invent, design, and engineer the same types of precision parts, tools, and products used worldwide.
- Use 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, COLLEGE CREDIT, NATIONAL COMPETITIONS.

## Marketing (McKay, North Salem, South Salem, Sprague)

- Design and implement powerful advertising campaigns and business plans to deliver innovative products and services to customers.
- Use professional software and techniques to create vibrant business publications, presentations, social media, and apps.
- Satisfy your competitive business spirit by operating diverse student-run enterprises.

**CAREER FOCUS:** Prepared for immediate employment and further education. DECA/FBLA, NATIONAL COMPETITIONS, STUDENT BUSINESSES.

## Media Production (McNary, Sprague, West Salem)

- Showcase creative and artistic talents using professional equipment and media to exceed client expectations.
- Develop, produce, and deliver unique video and audio projects for social media and commercial broadcast from concept to completion.
- Work individually and in teams to create cinematic film, engaging documentary, and viral video.

**CAREER FOCUS:** Prepared for immediate employment and further education. DIGITAL PORTFOLIO, WORK-BASED EXPERIENCE, ADVANCED TECHNOLOGY.

## National Security - JROTC (North Salem)

- Train alongside state and federal organizations such as law enforcement, military, and emergency services that play critical roles in national security.
- Impact your community through training in trauma and natural disaster response tactics.
- Strengthen your mind and body through rigorous leadership and physical fitness training.

**CAREER FOCUS:** Prepared for military programs, immediate employment, advanced certifications, and/or further education. MILITARY ADVANCEMENT, SCHOLARSHIPS, COMMUNITY EMERGENCY RESPONSE TEAM (CERT) CERTIFICATION.

## Residential Construction (Career and Technical Education Center)

- 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, roofs, 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, COLLEGE CREDIT, CERTIFICATIONS.

## Sports Medicine (Sprague, South Salem)

- Create customized exercise and therapeutic plans to help athletes achieve superior performance and lifelong wellness.
  - Work with certified athletic trainers as well as fitness and healthcare professionals to assist with injury prevention and rehabilitation.
  - Coach and motivate patients using the same advanced exercise equipment and techniques as fitness, wellness, and rehabilitation centers nationwide.
- CAREER FOCUS:** Prepared for immediate employment, advanced certifications, and further education. INTERNSHIPS, COLLEGE CREDIT, WORK-BASED EXPERIENCE.

## Video and Game Design Animation (Career and Technical Education Center)

- Produce original animated short films, dynamic visual effects, and eye-catching graphics.
  - 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.