



RISE - UP: *Realize... Imagine... Serve... Explore* Your Education

RISE Charter School of Corvallis

Pathway & Distance Learning Academies



Construction Pathway:

Exploring construction as a career within career education involves understanding the broad range of roles, pathways, and skills associated with building infrastructure, homes, and commercial facilities. Construction is a vital industry with opportunities for hands-on work, management, and technical expertise. Here's a detailed overview:

Overview of Construction Careers

Construction is the process of building, repairing, or renovating structures. Careers in this field range from skilled trades and engineering to project management and safety inspection. It's a dynamic sector that offers both entry-level opportunities and paths for upward mobility.

Types of Careers in Construction

1. Skilled Trades - These are hands-on jobs that often require vocational training or apprenticeships:

- Carpenter
- Electrician
- Plumber
- Mason, Ironworker, Painter
- HVAC Technician
- Ironworker



2. Construction Management - Focused on planning, coordination, budgeting, and supervision:

- Construction Manager
- Site Supervisor
- Project Coordinator
- Estimator
- Scheduler

3. Technical and Design Roles - Support construction with design and technical insight:

- Architectural Technician
- Civil Engineer
- Surveyor
- Building Information Modeling (BIM) Specialist

4. Health & Safety - Ensure safe working environments:

- Safety Officer
- OSHA Compliance Officer
- Risk Manager

Educational Pathways

- High School / CTE Programs: Intro to construction tools, safety, and basic skills.
- Post-secondary Programs: Trade schools and community colleges offer certificates and associate degrees.
- Apprenticeships: Combine paid work with classroom learning.
- Bachelor's Degree: Needed for construction management, civil engineering, or architecture.



Skills Developed in Construction Careers

- Manual dexterity and physical stamina
- Technical proficiency (blueprint reading, tools, measurements)
- Math and geometry
- Safety awareness and problem-solving
- Communication and teamwork

Career Outlook and Opportunities

- Demand: Strong, especially for skilled trades and managers due to ongoing infrastructure projects and labor shortages.
- Pay: Varies by role and region, e.g.:
 - ◆ Electricians: ~\$60,000/year median
 - ◆ Construction Managers: ~\$100,000/year median
 - ◆ Apprentices: Paid while learning (\$15–\$25/hr starting)
- Advancement: Many start in trades and move into supervisory or entrepreneurial roles.

Why Explore Construction in Career Education?

- High Demand: Skilled workers are always needed.
- Earn While You Learn: Apprenticeships pay from day one.
- Variety: From outdoor fieldwork to tech-driven design roles.



→ **Satisfaction: Tangible results and community impact.**

Programs and Resources for Students

- **CTE Pathways in high schools**
- **SkillsUSA and NCCER certifications**
- **Union and Non-Union Apprenticeships**
- **Pre-apprenticeship Programs for underrepresented groups**
- **Dual enrollment options with community colleges**