

# Elevator and Escalator Installers and Repairers

SOC: 47-4021 • Career Profile Report

## ■ Key Facts

**\$106,580**

Median Salary

**24,200**

Employment

**+5.0%**

Growth Rate

## ■ Requirements & Salary Range

**Education:** High school diploma

## ■ Automation Risk Assessment

**Medium Risk** - 35.0% probability of being automated in the next 10-20 years.

This job has some routine elements but still requires human judgment and interaction.

## ■■ Work-Life Balance

**6.1/10** - Good work-life balance

## ■ Personality Fit (RIASEC)

Higher scores indicate better personality fit for this career type.

Realistic	9.4/10	Investigative	5.8/10
Artistic	4.0/10	Social	5.0/10
Enterprising	5.0/10	Conventional	6.0/10

## ■ Top Skills Required

Ability to work at heights, Detail oriented, Mechanical skills, Physical stamina, Physical strength, Troubleshooting skills

### ✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

### ■ Challenges

- Burnout Risk
- Rapid Technological Change

## ■ What They Do

Elevator and Escalator Installers and Repairers are highly skilled trades professionals who install, maintain, and repair **elevators, escalators, moving walkways, and related vertical transportation systems**. Their work ensures that people and goods move safely and efficiently within buildings such as offices, hospitals, transit hubs, and high-rise residential towers. This occupation combines mechanical, electrical, and electronic expertise with strict safety standards.

This career is well suited for individuals who enjoy complex technical work, problem-solving, and working on critical infrastructure systems.

### What Do Elevator and Escalator Installers and Repairers Do?

These professionals handle the full lifecycle of vertical transportation systems, from installation to long-term maintenance and emergency repair.

Common responsibilities include:

- Installing elevators, escalators, and moving walkways
- Assembling motors, cables, control panels, and safety devices
- Inspecting systems to ensure proper operation and compliance
- Diagnosing mechanical, electrical, or electronic malfunctions
- Repairing or replacing worn or faulty components
- Performing routine preventive maintenance
- Responding to breakdowns and emergency service calls

### Types of Elevator and Escalator Work

Installers and repairers may specialize by system or work focus:

- New Installation Technicians: Install systems in new buildings or major renovations.
- Maintenance Technicians: Perform routine inspections and servicing.
- Repair and Modernization Technicians: Upgrade or repair aging equipment.
- Escalator and Moving Walkway Specialists: Focus on horizontal and inclined systems.
- Adjusters and Inspectors (advanced roles): Fine-tune systems and verify performance and safety.

### Skills and Abilities Needed

Elevator and escalator installers and repairers combine multiple technical disciplines.

#### **Core Professional Skills**

#### **Personal Qualities That Matter**

### Education and Training Pathway

This occupation typically requires extensive formal training and apprenticeship:

- High School Diploma or Equivalent: Typical minimum requirement
- Apprenticeship Program: Multi-year paid training combining classroom instruction and hands-on work
- On-the-Job Experience: Progressive responsibility under supervision
- Licensing or Certification (where required): Required in many states or cities
- Continuing Education: Updates on new technologies and safety standards

### Where Do Elevator and Escalator Installers and Repairers Work?

These professionals work in buildings and facilities that rely on vertical transportation:

- Commercial Office Buildings and High-Rises
- Residential Towers and Apartments
- Hospitals and Healthcare Facilities
- Airports, Subways, and Transit Stations
- Shopping Centers and Public Buildings
- Construction and Maintenance Service Companies

Work may take place indoors, in mechanical shafts, or at construction sites.

## How Much Do Elevator and Escalator Installers and Repairers Earn?

Earnings vary based on experience, location, and union status:

- Apprentices: Earn wages that increase with training progress
- Journeyperson Technicians: Typically earn high wages due to skill level
- Senior or Specialized Technicians: May earn more with expertise or supervisory duties

Compensation often includes overtime and strong benefits.

## Is This Career Difficult?

This career is physically demanding and technically complex. Installers and repairers work with heavy components, high-voltage systems, and safety-critical equipment. The challenge lies in maintaining precision, safety, and reliability in environments where mistakes can have serious consequences.

## Who Should Consider This Career?

This career may be a strong fit if you:

- Enjoy advanced mechanical and electrical work
- Are comfortable working in confined spaces or at heights
- Prefer a skilled trade with strong pay and job security
- Can follow strict safety and technical procedures
- Like solving complex, real-world problems

## How to Prepare Early

- Study math, physics, and basic electricity
- Develop strong mechanical and troubleshooting skills
- Learn safe use of tools and equipment
- Research apprenticeship opportunities and requirements
- Build physical stamina and safety awareness

**Elevator and escalator installers and repairers keep modern buildings moving, ensuring safe, reliable vertical transportation through technical expertise, precision, and unwavering attention to safety.**