

An Introduction to Apprenticeship Programs in Vermont



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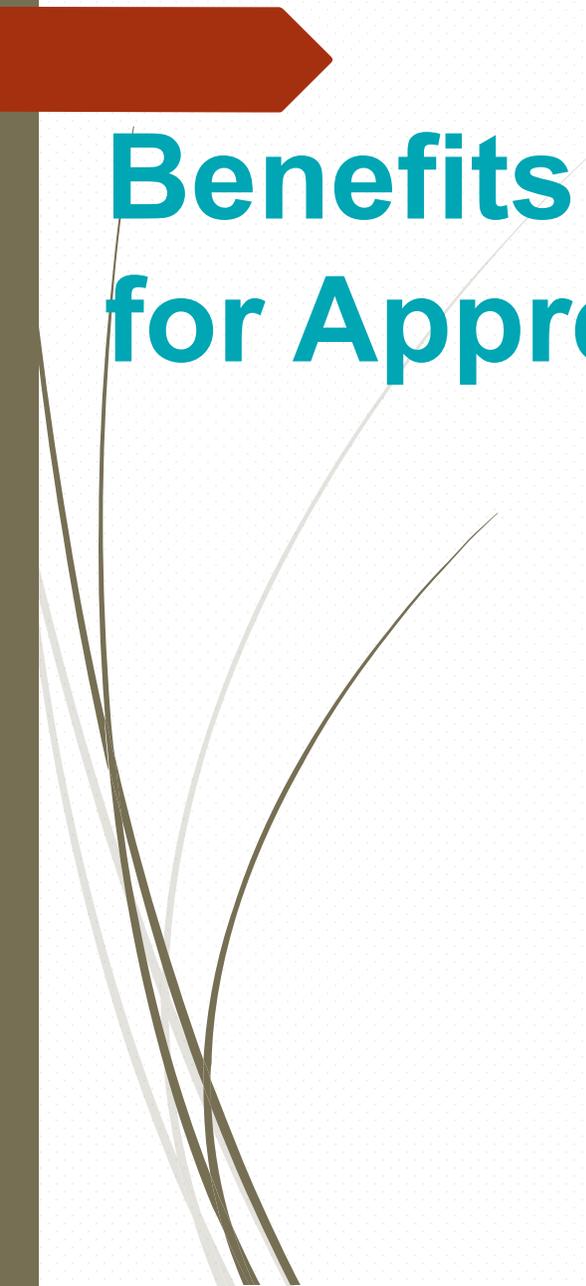
What comes to mind when you hear the word apprenticeship?





What are Apprenticeships?

- **The Vermont Department of Labor describes apprenticeships as an industry-driven, high-quality career pathway, where participants may obtain paid work experience, classroom instruction, and a portable nationally recognized credential.**
 - **Did you know there are over 30 registered apprenticeships programs in Vermont?**
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A decorative graphic on the left side of the slide. It features a dark red arrow pointing to the right at the top. Below it, several thin, curved lines in shades of grey and brown sweep upwards and to the right, creating a dynamic, organic feel.

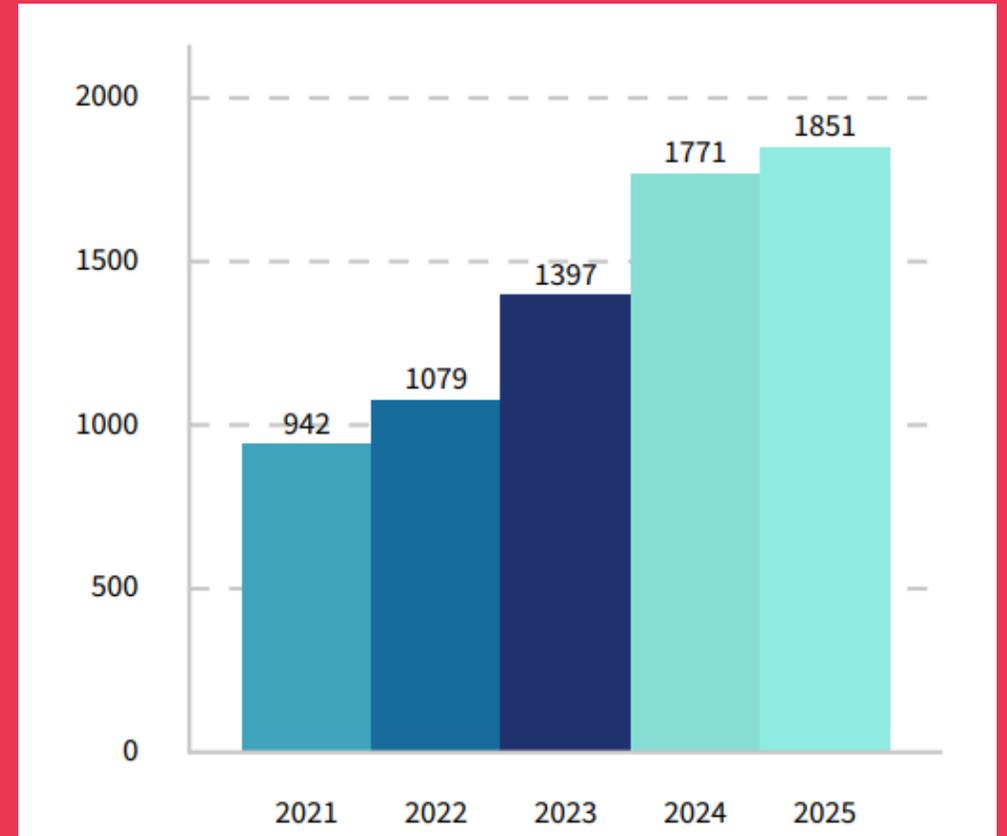
Benefits for Apprentices

- Opportunity to learn as you earn
- Opportunity to be mentored
- Skill development
- Scheduled pay raises
- Structured yet flexible
- Career networking & connections
- Earn debt-free credentials in a high-need field.

Apprenticeship Stats

- There are almost 600,000 apprentices in the United States
- Vermont has over 1850 Apprentices in Jan 2025 [Apprenticeship Stats by State](#)
- \$80,000 average annual salary

<https://www.apprenticeship.gov/sites/default/files/DOLIndFSApprent101-043024-508.pdf>



Total VT Registered Apprentices 2021-2025

Apprenticeship Structure and Things to Consider



Apprenticeships are structured formal programs comprised of on the job learning hours and field relevant classroom instruction.



Apprenticeships in Vermont are comprised of at least 2000 working hours of mentored on the job training more depending on trade.



Minimum of 144 classroom hours.



1 year minimum length, most 2-4 years.



Wages are pre-determined and increase as you progress.



Transportation can be essential.

Earn While You Learn: Senator Sanders Apprenticeship Video Featuring Local Apprentices





Electrical and Plumbing



Vermont State
University

Registered
Apprenticeship Programs

Two components of Apprenticeship



- **On-the-Job Training:** Successfully complete 8,000 on-the-job (OTJ) training hours under a licensed master electrical/plumber

8,000 hours equivalent to 40 hours per week, for 4 years.

This time does not have to be completed in 4 years.

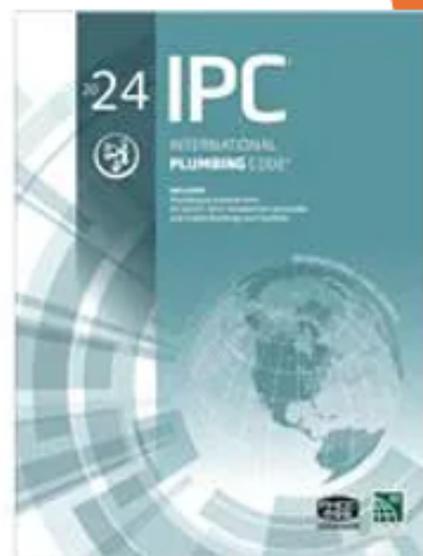
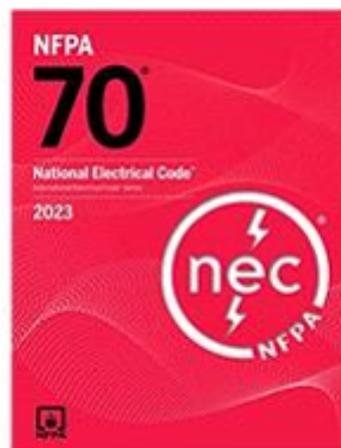
For the The new type S electrical program this requirement is 2000 hours.

2. Related Instruction:

Complete 576 hours of related instruction for Electrical or Plumbing.

144 hours of related instruction is completed each year.

Related instruction is broken down into 4 years/levels.



Class logistics

- Apprenticeship-related instruction is taught remotely via Zoom.
- Classes meet two nights a week from 5:30–8:30 pm from Nov-May
- Typically, classes are held either on a M/W, T/TH, or M/TH schedule.
- Accommodations with learning plan documentation and collaboration with Disability Services.
- The cost of the class is \$1050 and does not include the cost of books.
- Apprenticeship classes are non-credit training classes. They do not qualify for federal financial aid (FAFSA)
- VT Residents are, however, eligible to apply for the VSAC Advancement Grant.
- Apprentices can start year one without an employer sponsor but must have one to register for year 2.

Two components of Apprenticeship and Path to Licensing

Complete Related Instruction



Vermont State
University

Complete On the Job Training



- Send Application to licensing board
- Pass Journeyman licensing exam with 70% or higher



Type S 1 Year Electrical Apprenticeship Program (New 2024)

- This robust Type S course has been designed specifically to give the student a strong electrical foundation to be successful with their Type S License as well as to create a pathway for the student to move onto the four-year electrical apprenticeship program if they should choose to do so.
- Licensing requires 144 Hours of Related Instruction and 2000 on-the-job training Hours to test for a Type S (Specialty License).
- Apprentice starts with employer First



Electrical Specialist Types in Vermont

- **A1- Automatic Gas / Oil Heating**
- **B2 - Outdoor Advertising**
- **C3 - Refrigeration and Air Conditioning**
- **D4 - Appliance and Motor Repairs**
- **E5 - Well Pumps**
- **F6 - Farm Equipment**
- **G7c - Commercial Fire Alarms**
- **G7g - Gas Pumps / Bulk Plants**
- **G7k - Electrical Locksmith**
- **G7l - Lightning Rod Installers**
- **G7s - Solar Panel Installers**

Global Foundries Maintenance Technician Apprenticeship – Essex Junction, VT

- 3-year training program. Training includes a combination of on-the-job training, instructor-led classes, web-based courses, and college courses.
- All required training is provided at no cost, as part of employment
- Format -Candidates hired into the Apprenticeship Program will work full-time on a compressed week of 12-hour shifts.



GE Aerospace Advanced Machinist Toolmaker Apprentices Program

- 3 years to complete
- 6000 hours of on- the Job Training
- 14 classes or 3000 hours of class
- Apprenticeship celebrated 50 years in 2024
- Applications typically open through GE in the spring.
- <https://www.geaerospace.com/news/press-releases/apprentices-graduate-ge-aerospace-rutland-program>
- <https://careers.geaerospace.com/global/en/rutland?s=1&rk=l-slp-rutland>



Current Vermont Registered Occupations

- Accounting Technician
- Certified Production Technician
- Child Care Development Specialist
- CNC Machinist
- Commercial Craft Professional
- Construction Craft Laborer
- Correctional Officer
- Diesel Mechanic Helper
- Electrician
- Emergency Medical Technician
- Fire Alarm Technician
- HVAC Technician
- Industrial Manufacturing Technician
- K-8 Teacher
- Line Maintainer
- Maintenance Mechanic



- Manufacturing Machine Operator
- Mechatronics Technician
- Metal Building Assembler
- Police Officer
- Phlebotomist
- Plumber
- Process Technician
- Sheet Metal Worker
- Ski Lift Mechanic
- State Trooper
- Sterilization Technician
- Surgical Technician
- Tool & Die Maker
- Waste Treatment Operator
- Water Systems Operator
- Weatherization Technician
- And more.....

Apprenticeship Resources



- **Vermont State University Division of Workforce, Community & Economic Development**
<https://vermontstate.edu/about/workforce-community-and-economic-development/>
- **DOL Apprenticeship Website**
<https://www.apprenticeship.gov/>
- **Vermont Department of Labor**
<https://labor.vermont.gov/apprenticeship/jobseekers>
- **MyfutureVT.org Website Career Exploration:**
<https://www.myfuturevt.org/?s=Apprenticeship>
- **My Next Move Career Exploration** <https://www.mynextmove.org/>
- **CCV Apprenticeships** <https://ccv.edu/academics/registered-apprenticeships/>
- **Vermont Department of Public Safety Division of Fire Safety**
<https://firesafety.vermont.gov/licensing>
- **State CTE Website** <https://vermontcte.com/>



**Vermont State
University**

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Questions

Thanks for Coming!



Thanks for having us VSAC!