

# IT INDUSTRIES & APPRENTICESHIP



**TECH QUEST**  
APPRENTICESHIP

**Information technology (IT) companies and businesses in sectors with significant IT requirements face complex workforce challenges keeping up with the demands of rapid technological advancements. Fortunately, apprenticeships are a proven solution for recruiting, training, and retaining world-class technology talent.<sup>1</sup>**



The IT industry has been challenged to keep up with changing technology and a highly competitive global market. In May 2017, there were just under 4.7 million people working in IT and software. Three years later in June of 2020, there were nearly 6 million.<sup>2</sup> To compete, employers must aggressively market and recruit technical talent with the right skillsets, latest credentials, and an interest in the industry.

## HOW AN APPRENTICESHIP CAN HELP YOUR COMPANY

**From Day 1, apprenticeships offer measurable value:**

**Higher retention:** Losing an employee costs the company 1-2x their salary. By contrast, 89% of apprentices stay for at least 3 years after completing their program.<sup>3</sup>

**Higher productivity:** 78% of employers see improved productivity after starting a program – not just for apprentices, but across the board.<sup>4</sup>

**Greater diversity, bigger profits:** Companies with high levels of diversity bring in nearly 15x more sales revenue than those with low diversity.<sup>5</sup>

**Boost local economy:** Hiring workers in the local area can boost the economy through job creation, higher employment, tax revenues, and government savings.

A few of the many Information Technology occupations that are apprenticeable include:

- Computer Specialists
- Software Developers
- Network Administrators
- Cybersecurity Support Technicians
- Health Information Technology Specialists Web Developer/ Graphic Designers
- IT Project Managers

Explore more apprenticeship occupations in the Information Technology industry here.

**97%** of American businesses that sponsor apprenticeships recommend them to others.<sup>6</sup>

**Visit [TQAClark.com](https://TQAClark.com) or [GuilfordWorks.org](https://GuilfordWorks.org) to learn more.**

the Tech Quest Apprenticeship program is an equal opportunity program.

### Sources

- <sup>1</sup> U.S Department of Labor, Apprenticeship Industries: Information Technology, <https://www.apprenticeship.gov/apprenticeship-industries/information-technology>
- <sup>2</sup> Forbes, Why Software and IT Jobs Will Double In 10 Years, <https://www.forbes.com/sites/forbestechcouncil/2021/12/29/why-software-and-it-jobs-will-double-in-10-years/?sh=499e33605da4>
- <sup>3</sup> Worcester Magazine, "Clark embarks on a 'Tech Quest' to create apprenticeships in growing industries," <https://www.worcestermag.com/story/business/employment/2020/12/10/clarkuniversity-funds-tech-apprenticeships/6473059002/>
- <sup>4</sup> HM Government, "What are the benefits of hiring an apprentice," <https://www.apprenticeships.gov.uk/employers/benefits-of-hiring-apprentice#>
- <sup>5</sup> Science Daily, "Diversity Linked To Increased Sales Revenue And Profits, More Customers," <https://www.sciencedaily.com/releases/2009/03/090331091252.htm>
- <sup>6</sup> Urban Institute, "The Benefits and Challenges of Registered Apprenticeship: The Sponsor's Perspective"

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