

New jobs, New skills - Closing tomorrow's skills gaps today.

With the rise of Industry 4.0 new jobs are being created across the country faster than people can be trained to fill them.



What is Industry 4.0?

Industry 4.0 represents the fourth industrial revolution where technology and manufacturing work alongside each-other to streamline workflows and maximize output. The technology in Industry 4.0 makes use of sensors, the internet of things, robotics, big data, machine learning, and much more to create smart factories and autonomous systems.

The Skills Gap

The skills gap is the difference between the skills employers are looking for and the skills that employees currently have. These differences are one of the largest barriers to employment. With the exponential growth and usage of technology in many fields, the skills gap is growing at an exponential rate.



Deloitte reports

89%

of executives agreed there was a talent shortage in the American manufacturing industry a 5% increase over 2015



Between 2018 and 2028, the skills gap could leave

2.4M

jobs unfilled



This gap would cost the industry

\$454B

in lost wages

Jobs

These jobs require new skills and familiarity with new technology. The requirements to enter the workforce are changing with increasing frequency – so what is the path to employment?

Here are 4 of the most high demand jobs in Industry 4.0 and the programs that can get you the skills you need for them.

Robotics Technician

Outlook: 2-4% growth annually

Pay: \$37-89K

Certifications: Certificates
Associates Degree

Skills: Repairing, troubleshooting, critical thinking, equipment maintenance, comprehend complex informational text and visuals, effective oral and written communication

Machinist

Outlook: 2% growth annually

Pay: \$27-67K

Certifications: Certificates
Associates Degree

Skills: Effective communication, identify, analyze, and solve complex problems, knowledge of machines, tools, and materials, physical strength and dexterity

Electric Engineering Technician

Outlook: 2-4% annually

Pay: \$37 – 96K

Certifications: Certificates
Associates Degree

Skills: Complex problem solving, critical thinking, effective oral and written communication, concentrate on a task without being distracted

CNC Programmer

Outlook: 15% annually

Pay: \$33-83K

Certifications: Associates Degree
Certificate

Skills: Relevant computer and software skills, skilled communicator, solve complex problems, knowledge of machines, tools, and materials

Adaptive Skills

As skillsets increase to meet demand across all industries – soft, adaptive skills are becoming increasingly important. Paths to these careers improve soft skills alongside technical skillsets. Refining these skills creates a diverse, well developed, and versatile workforce.



Reading Comprehension



Critical Thinking



Active Listening



Speaking



Complex Problem Solving



Judgement & Decision Making



Writing



Time Management



Monitoring



Active Learning

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fivestar* is your personal software developer. Our solutions centralize workflows, optimize processes, and enable decision-making through real-time data and business intelligence.