



## ADVANCED MANUFACTURING



## INFORMATION TECHNOLOGY



## BUSINESS OPERATIONS



## FINANCIAL SERVICES



## HEALTHCARE

MODERN YOUTH APPRENTICESHIP  
*Explore your future today!*





# ADVANCED MANUFACTURING

## INDUSTRY OVERVIEW

Colorado's manufacturing industry has undergone tremendous change and advancement over the past couple of decades. Gone are the "dark, dirty, and dangerous" factories of the past. In their place are medical and food and beverage production facilities that are bright, clean and safe. Additionally, Colorado's thriving aerospace and defense manufacturing industry brings highly skilled, technology-based jobs. It is an exciting time to be in advanced manufacturing in Colorado!

### These Apprenticeship Opportunities...

#### Production Technician

Production technicians read blueprints and work orders, setup equipment to match the job specifications, and then operate and monitor said equipment.

#### Quality Technician

Quality technicians have the crucial responsibility of making sure that the products shipped to customers meet or exceed stated specifications.

#### Maintenance Technician

Maintenance technicians strive to keep a company's equipment and building systems (electrical, heating, etc.) in working order. They conduct preventative maintenance to stop equipment and systems from breaking down in the first place.

#### Logistics Technician

Logistics technicians work to ensure that the flow of physical goods within a company and a supply chain is efficient.

### FAST FACTS ADVANCED MANUFACTURING



**16.6%**

Wage increase  
over the last  
decade



**145,000**

advanced  
manufacturing  
jobs in Colorado



**\$66,000**

average advanced  
manufacturing salary  
in Colorado

### ...CAN LEAD TO OCCUPATIONS & SALARIES LIKE THESE

**Quality Assurance Specialist** AVERAGE SALARY: \$47,000

**Production Manager** AVERAGE SALARY: \$67,000

**Machinist** AVERAGE SALARY: \$35,000

### SAMPLE CAREERWISE EMPLOYERS

Average Annual Income in Colorado  
Source: O\*Net Online

**COORSTEK**  
Amazing Solutions®

**INTERTECH**  
PLASTICS INC

**Nordson**  
MEDICAL

### SKILLS & ABILITIES VALUED BY ADVANCED MANUFACTURERS

If this sounds like you, consider an  
apprenticeship in this field

- Mechanical Aptitude
- Attention to Detail
- Problem Solving
- Growth Mindset



# INFORMATION TECHNOLOGY

## INDUSTRY OVERVIEW

The information technology (IT) and software industry is one of the largest in the country, with millions of IT professionals in virtually every industry—making lifetime and fulfilling careers for people. Colorado is the premier IT hub between the coasts, featuring the third-highest concentration of IT workers and the seventh-most innovative economy in the U.S. Colorado's IT sector is one of the fastest-growing—offering jobs that pay among the highest occupations—in a wide spectrum of companies ranging in specialty from software, hardware, and telecommunications, to virus protection and security, data management and IT services.

### These Apprenticeship Opportunities...

#### Desktop/Technical Support Specialist

Computer technicians identify, troubleshoot and resolve computer problems. They work to maintain and repair computer hardware, software, network and internet issues, while also addressing tech-related questions from clients, customers and fellow employees.

#### Junior Coder

Junior coders follow the lead of senior coders as they design, develop, implement and maintain applications.

#### Quality Assurance Tester

QA testers monitor software performance and ensure that all software is adhering to development standards. They engage in a variety of tasks, including software design, source code writing, program testing and release of software to the public.

### ...CAN LEAD TO OCCUPATIONS & SALARIES LIKE THESE

**Applications Software Developer** AVERAGE SALARY: \$103,400

**Systems Software Developer** AVERAGE SALARY: \$125,400

**Network & Computer Systems Admin** AVERAGE SALARY: \$87,700

Average Annual Income in Colorado  
Source: O\*Net Online

### SAMPLE CAREERWISE EMPLOYERS



**COLORADO**  
Governor's Office of  
Information Technology  
Serving people serving Colorado



## FAST FACTS INFORMATION TECHNOLOGY



**14,850**  
technology  
companies in  
Colorado



**285,300**  
new technology  
jobs each year in  
Colorado



**7,400,000**  
technology jobs in the  
U.S., and expected to  
grow by 1.2 million by  
2026

## SKILLS & ABILITIES

VALUED BY INFORMATION TECHNOLOGY PROVIDERS

If this sounds like you, consider an  
apprenticeship in this field

- Critical Thinking
- Problem Solving
- Communications
- Aptitude and Interest in Technology
- Teamwork







# BUSINESS OPERATIONS

## INDUSTRY OVERVIEW

The business operations industry is focused on the administration of business practices geared towards creating the highest level of efficiency. Working in the industry involves working on projects to improve processes and assisting others in building programs or strategies. It involves planning, organizing, coordinating and controlling all the resources needed to produce a company's goods and services.

### These Apprenticeship Opportunities...

#### Project Coordinator

Project coordinators work on various tasks including creating marketing materials, organizing events, troubleshooting office operations and ensuring problem-solving strategies, working with teams to complete a project deadline, managing and seeing projects through to completion, researching information and presenting results, and bringing a "can do" attitude to teams.

### ...CAN LEAD TO OCCUPATIONS & SALARIES LIKE THESE

<b>Marketing Specialist</b>	<b>AVERAGE SALARY: \$42,000</b>
<b>Event Planner</b>	<b>AVERAGE SALARY: \$43,000</b>
<b>Fundraising Coordinator</b>	<b>AVERAGE SALARY: \$62,000</b>
<b>Manager of Human Resources</b>	<b>AVERAGE SALARY: \$55,000</b>

Average Annual Income in Colorado  
Source: O\*Net Online

### SAMPLE CAREERWISE EMPLOYERS



### FAST FACTS BUSINESS OPERATIONS



**169,000**  
business operations  
job openings in  
Colorado



**\$49,000**  
average business  
operations salary in  
Colorado

### SKILLS & ABILITIES VALUED BY THE BUSINESS OPERATIONS INDUSTRY

If this sounds like you, consider an  
apprenticeship in this field

- Organization
- Communication
- Detail-oriented
- Creativity and Innovation
- Flexible and Adaptable





# FINANCIAL SERVICES

## INDUSTRY OVERVIEW

Colorado's financial services industry is booming. In fact, Colorado has been called the "Wall Street of the West," and is one of the few areas outside the northeastern United States with a significant financial services industry. The industry supports and serves a wide range of businesses that manage money, including banks, credit unions, insurance companies, accounting companies and investment funds. Employees play a vital role in managing transaction of funds, maintaining accurate records and providing excellent customer service.

### These Apprenticeship Opportunities...

#### Financial Services Representative

Financial services representatives verify the accuracy of financial or transactional data, examine check and money orders for payment, assist customers with transfer of funds and assist customers with the creation of new accounts.

#### Accounting Representative

Accounting representatives maintain financial/account records; prepare documentation for audits; calculate and prepare financial data; provide bookkeeping services; prepare purchase orders and expense reports; collect deposits, payments and fees and ensure customer service needs are met.

### ...CAN LEAD TO OCCUPATIONS & SALARIES LIKE THESE

<b>Financial Advisor</b>	<b>AVERAGE SALARY: \$40,000</b>
<b>Insurance Sales Agent</b>	<b>AVERAGE SALARY: \$49,500</b>
<b>Teller</b>	<b>AVERAGE SALARY: \$27,000</b>

Average Annual Income in Colorado  
Source: O\*Net Online

### SAMPLE CAREERWISE EMPLOYERS



### FAST FACTS FINANCIAL SERVICES



**38,000**

financial services job openings in Colorado



**\$48,000**

average financial services salary in Colorado



**10.7%**

growth in Colorado's financial services industry in the past five years

### SKILLS & ABILITIES

VALUED BY FINANCIAL SERVICES PROVIDERS

If this sounds like you, consider an apprenticeship in this field

- Critical Thinking
- Problem Solving
- Customer Service
- Attention to Detail
- Mathematical Aptitude





# HEALTHCARE

## INDUSTRY OVERVIEW

Colorado is a state defined by health. Not only is Colorado continually named as one of the healthiest states in the nation, but we also have a dynamic healthcare industry filled with companies dedicated to providing acute, post-acute, preventative, curative and rehabilitative services. As Colorado's population continues to experience significant growth, the need for qualified, passionate healthcare talent is greater than ever. For individuals interested in caring for others or helping drive the physical, mental and social well-being of others, the opportunities are vast in Colorado's healthcare industry.

### These Apprenticeship Opportunities...

#### Certified Nursing Assistant to Licensed Practical Nurse

Certified Nursing Assistants work under the direct supervision of a nurse, including assisting professional nursing staff with routine patient-care needs in a clinical setting. CNAs provide communication, comfort and safety to patients while also conducting basic-care needs such as checking vital signs, providing bedside care and assisting with daily-living activities.

### ...CAN LEAD TO OCCUPATIONS & SALARIES LIKE THESE

<b>Medical Assistant</b>	<b>AVERAGE SALARY: \$32,000</b>
<b>Registered Nurse (RN)</b>	<b>AVERAGE SALARY: \$68,000</b>
<b>Physical Therapist</b>	<b>AVERAGE SALARY: \$85,500</b>
<b>Occupational Therapist</b>	<b>AVERAGE SALARY: \$81,000</b>
<b>Surgical Technician</b>	<b>AVERAGE SALARY: \$55,000</b>

Average Annual Income in Colorado  
Source: O\*Net Online

## SAMPLE CAREERWISE EMPLOYERS



### FAST FACTS HEALTHCARE



**330,000**  
healthcare workers  
across Colorado



**16,400**  
health and wellness  
companies in  
Colorado



**\$57,070**  
Average healthcare  
salary in Colorado

## SKILLS & ABILITIES VALUED BY THE HEALTHCARE INDUSTRY

If this sounds like you, consider an  
apprenticeship in this field

- Critical Thinking
- Problem Solving
- Service Orientation
- Deductive Reasoning
- Active Listening

