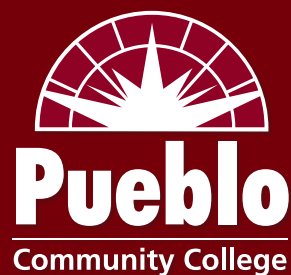




Positioning Pueblo for Job Growth

While Filling the Current

Skills Gap





Pueblo
Community College



Pueblo
CORPORATE COLLEGE



For 88 years, Pueblo Community College has provided the education and training that gives our students the skills they need to qualify for good jobs or transfer to a four-year school. As a Higher Learning Commission-accredited two-year community college, we are one of 13 colleges in the Colorado Community College System, the largest system of higher education in Colorado. We offer more than 50 associate degree programs, over 150 certificates, 7 Bachelor of Applied Science degrees, and a Bachelor of Science in Nursing. We are a state leader in health care education.



PCC uses technology to deliver a skilled and educated workforce through its Gorsich Advanced Technology Center and Allied Health program facilities. Our partnerships with business and industry help provide state-of-the-art equipment, enabling students to acquire the advanced technical skills needed to step directly into the workforce upon graduating. PCC also offers hybrid courses, blending the traditional classroom with online instruction to create an engaging mix of learning environments.

We offer a variety of scheduling alternatives to meet your needs. Students can choose among day or evening classes, weekend classes and online/hybrid classes. Select certificate or degree programs that match their interests. In addition, our Pueblo Corporate College provides customized education, training and professional development programs to bridge the skills gap through a variety of delivery options, including on-site delivery, flexible delivery schedules, mobile learning labs, and year-round availability.



We offer multiple strategies to meet students where they are and specialize in educational solutions for adult learners through the following:

Fast-track options that result in short, stackable credentials

- We offer short certificate options in every Business and Advanced Technology program area that stack up to larger certificates and degrees.
- By hybridizing classes, we reduce time on campus and transportation barriers. We also plan course sequencing to keep completion time as short as possible for the discipline.

A man with a beard, wearing a blue baseball cap and a blue polo shirt, is shown in profile, looking upwards and to the right. He is working on a large, complex industrial machine made of polished metal. His right hand is reaching up to adjust a component on the machine, while his left hand is positioned lower, possibly holding a piece of paper or a tool. The machine has various pipes, valves, and a large circular opening. The background is slightly blurred, showing more of the industrial environment.

Align and pair PCC certificates with industry certifications

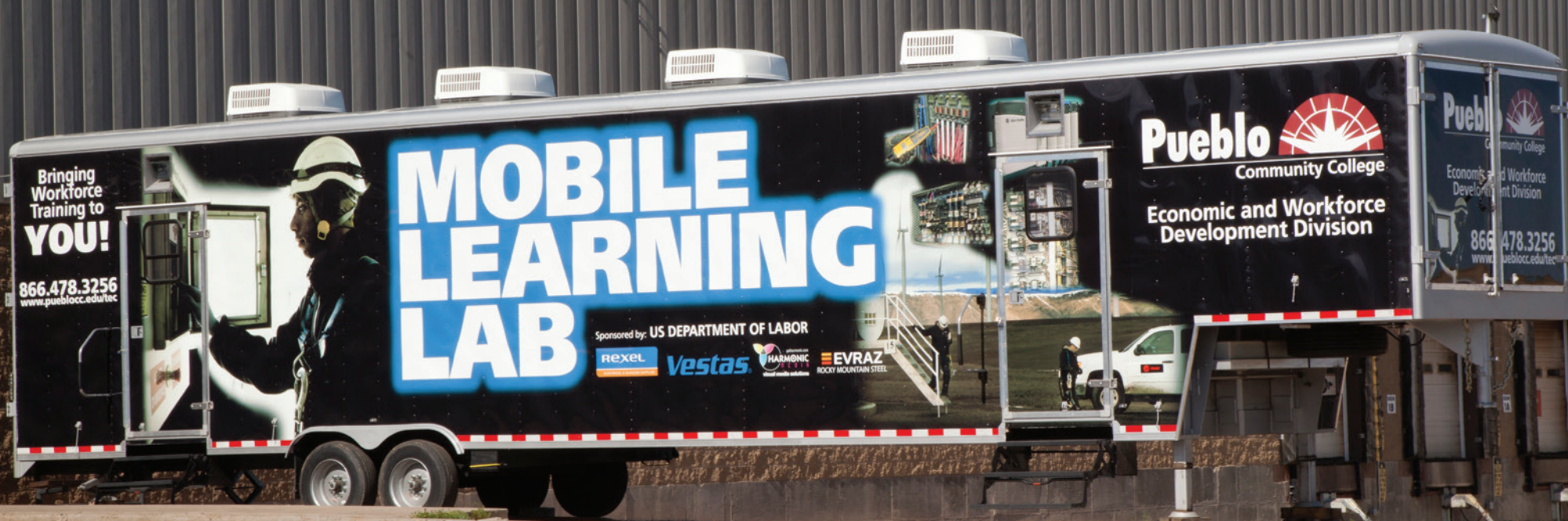
- We offer industry-recognized, professional certifications in Machining, Computer Information Systems, Welding, Emergency Medical Services, and Health Information.

Prior Learning Assessment

- Employees could be eligible for credits toward a degree or certificate through a process called Prior Learning Assessment, which allows learners to demonstrate knowledge and skills in a particular field or fields. Employees would be encouraged to meet with the PLA coordinator to review the process and application.

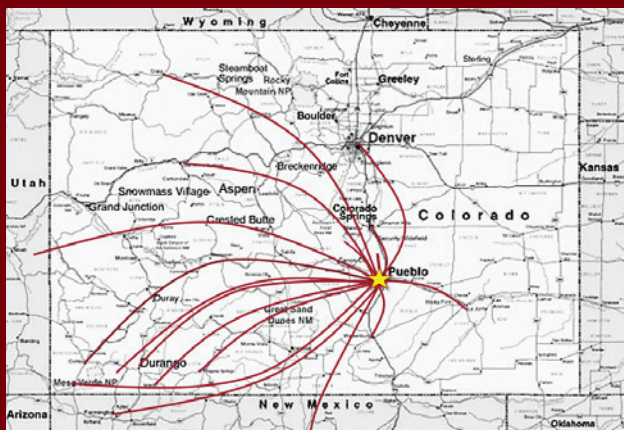
Apprenticeship or learn-while-you-earn programs

- We facilitate formal (registered) and informal apprenticeships that provide structure for students to work for pay in their chosen industry while learning their skills and knowledge simultaneously.
- Existing programs include mechanical and electrical systems, industrial maintenance, and medical coding and billing.
- Programs under development are computer support specialist, paraoptometric assistant, medical assisting, culinary arts and machining.



Mobile Learning Labs

Our nationally recognized fleet of eight mobile learning labs (40- to 53-foot enclosed trailers) with onboard power generation, climate control, and all of the hands-on training equipment participants need enables an on-campus classroom lab to deliver training right to almost anywhere. Labs provide equipment for training in welding, machining, mechanical systems, electrical systems, and nondestructive testing.



Mobile Learning Labs Results and Impact

- PCC's Mobile Learning Labs serve Colorado, Utah and New Mexico
- Employees see an average 3% pay increase after training
- 60% return on investment
- 68 employers and partners served
- More than 2,300 unique adult learners
- Over 160,000 hours of training delivered
- We've logged over 28,000 miles on the road: That's 9 trips from Florida to Washington or 1 trip around the world

Entrepreneurial Education and Support

- We provide no-cost confidential consulting, low- to no-cost training, and resource connections through the Southern Colorado Small Business Development Center.
- Our Southern Colorado Innovation Link program serves as the link between entrepreneurs, funding sources, and product development support with the goal of launching new businesses in the region that create impact from an economic development perspective.





Discover your future with Career Finder

PCC's Career Finder (pueblocc.edu/career-finder) can help you determine which programs offer the best fit for your future.

Career Finder lets you select activities and topics that appeal to you, then provides program options based on your choices. It's one more way PCC can help you discover careers that suit your skills and interests.

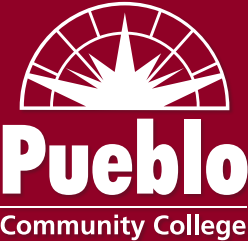










Already know which program you want to study? Career Finder will keep you up to date on the latest opportunities in that profession.

Still narrowing down your options? Explore individual topics and compare the results.

After choosing a program from your list of results, click the link to its webpage. You can then click the Career Insights link for details about job demand and salaries.

Our academic advisors are also available to discuss your results and determine which programs offer you the best path toward your future career.

Featured Programs

	 	 On Site (at company)	 Daytime Classes	 Fast-Track	 Evening Classes	 Traditional Delivery (Pueblo Campus)	 Online Classes	 Apprenticeship	 Mobile Learning Lab	 Customized Training
Business		X	X		X	X	X			X
Certified Nurse Aide (CNA)			X	X	X	X				
Computer Information Systems		X	X		X	X		X		X
Construction Management*		X				X			X	X
Health Information Technology							X			
HVACR Maintenance*						X			X	X
Heavy and Tractor-Trailer Truck Drivers*						X				X
Industrial Technology Maintenance		X	X			X		X	X	X
Logistics and Supply Chain*		X				X			X	X
Machining			X	X		X			X	X
Nondestructive Testing*		X				X			X	X
Pharmacy Technician					X	X				
Phlebotomy Technician			X		X	X				
Welding			X	X	X	X			X	X

* - Indicates a non-credit program offered through Pueblo Corporate College, a subsidiary of Pueblo Community College.

Data points for this report were mined from the U.S. Bureau of Labor Statistics, Burning Glass software platform, and the Colorado Talent Pipeline Report.



Construction Management

Construction Management combines skillsets obtained through coursework in Civil Engineering Technology and Business along with construction management courses to prepare students for the fast-paced construction industry.

According to the U.S. Bureau of Labor Statistics, the national median annual wage for construction managers is \$97,180, with a job outlook that is growing much faster than other jobs. According to Burning Glass data, there were 667 job postings in the last 12 months and the median salary in Pueblo for program graduates is \$54,000.

PCC's customized training program provides students with industry current and relevant skills necessary to manage construction related projects. This program enables students to work in a heavy-civil infrastructure or commercial-residential industrial projects in positions such as construction managers, general contractors, project managers, and field supervisors.

- **Median salary: \$54,000**
- **Growth projection: 35.7%**
- **Geographical growth in Pueblo: High**
- **Geographical growth in Colorado: High**

Customized training options:





Heating, Air Conditioning, Ventilation and Refrigeration Maintenance

HVACR technicians are trained in the installation, maintenance, and repair of heating, ventilation, air conditioning, and refrigeration systems. Additionally, a technician may choose to specialize in radiant heating systems, solar panels, system testing and balancing, or commercial refrigeration. HVACR technicians must be knowledgeable of government regulations and be EPA certified in the proper handling and disposal of the fluids and pressurized gases found in an HVACR system.

This is a fast-growing occupation that is needed in both residential and commercial facilities. Nationwide, there is a considerable shortage of trained technicians. Long-term growth through 2024 as reported by Projections Central for the state of Colorado shows a total increase in the number of jobs of 45%.

- Median salary: **\$42,000**
- Growth projection: **45.8%**
- Geographical growth in Pueblo: **High**
- Geographical growth in Colorado: **High**

Customized training options:





Heavy and Tractor-Trailer Truck Drivers (Commercial Driver's License)

Heavy and tractor-trailer truck drivers transport goods from one location to another, possibly requiring drivers to be away from home for days or weeks at a time. According to the 2020 Colorado Talent Pipeline report, heavy and tractor-trailer truck drivers was the top occupation for the number of job postings from March 2020-Sept. 2020 with 44,390 unique job postings and 2,090 average monthly hires across Colorado.

This customized training program has CDL Class A and Class B truck training classes. The hands-on program includes classroom, driving range, and road training to prepare students for the CDL written and driving tests.

- Median salary: **\$42,161**
- Growth projection: **4.2%**
- Geographical growth in Pueblo: **Average**
- Geographical growth in Colorado: **Average**

Customized training options:





Industrial Technology Maintenance

The Industrial Technology Maintenance (ITM) program at PCC trains Advanced Manufacturing Technicians (AMTs) who are in high demand across the state and the nation.

This program develops essential skills for maintaining the complex electromechanical systems found in modern automated manufacturing facilities. After completing a core of courses in math, physics, fundamental analog and digital electronics, robotics, and programmable logic controllers, students will explore a broader range of skills including print reading, motors and controls, and mechanical components. In addition to an associate degree option, several certificate options are also available.

The Colorado Talent Pipeline Report cites the projected growth rates of electrical and industrial engineers at 16-17% from 2019-2029, with a median wage of more than \$46 per hour. The U.S. Bureau of Labor Statistics (BLS) provides data for Electrical and Electronic Engineering Technicians as well as Mechanical Engineering Technicians, which are similar to AMTs. The BLS provides projected growth rates of 13% and 12% respectively, for those occupations from 2018-2028, with hourly wage earnings of \$35 and \$30.50.

The ITM program has launched a Solar Photovoltaic Installation certificate. The governor's climate action plan publishes a roadmap to 100% renewable energy by 2040. The U.S. Bureau of Labor Statistics cites a 29% projected job growth rate for wind turbine service technicians and solar technicians from 2018-2028, with hourly wage earnings of \$29 and \$25.60 respectively.

- **Median salary: \$63,440**
- **Growth projection: 12%**
- **Geographical growth in Pueblo: Average**
- **Geographical growth in Colorado: Low**

Customized training options:





Logistics and Supply Chain

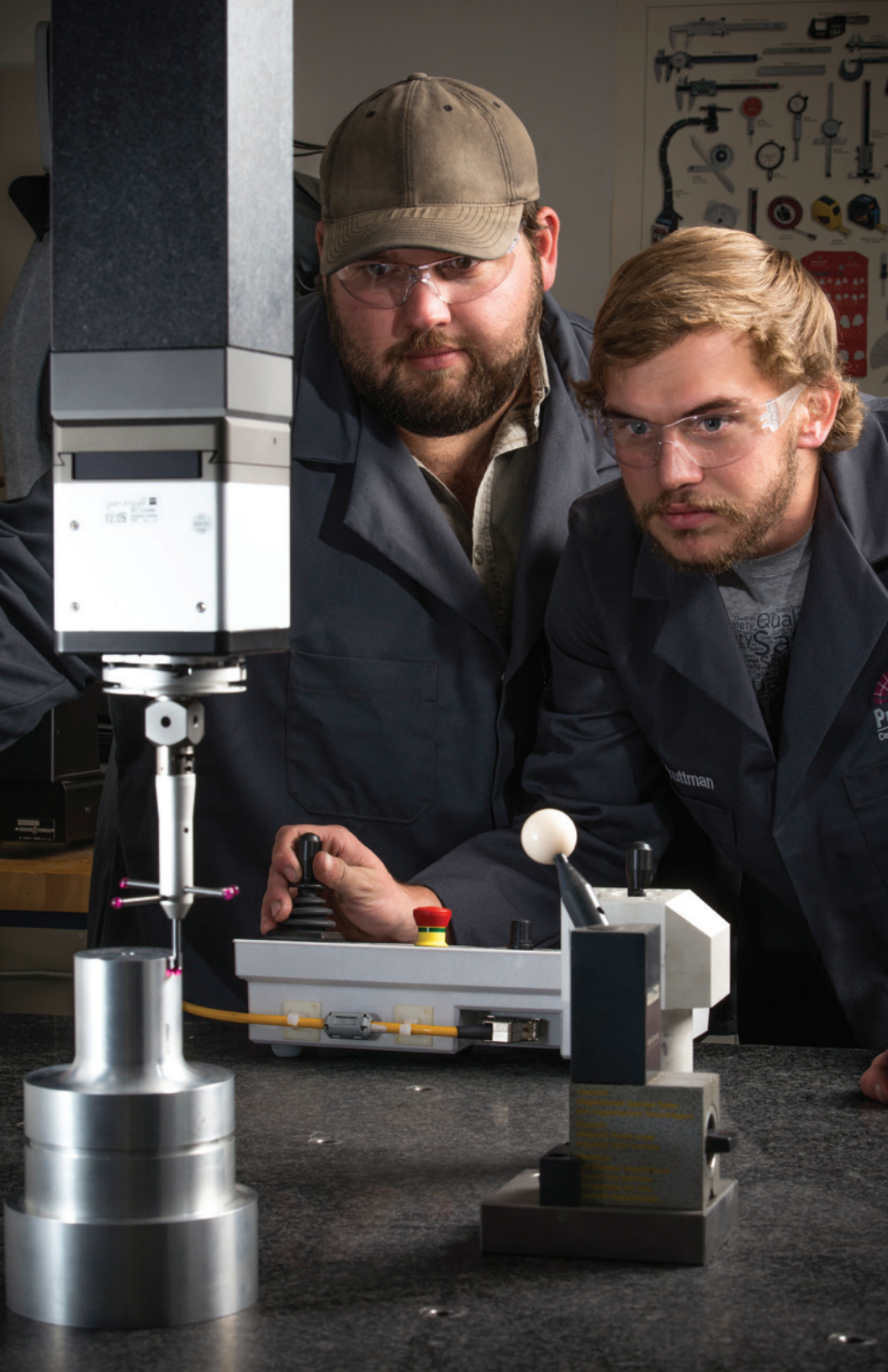
Logisticians analyze and coordinate an organization's supply chain and work in nearly every industry. According to the U.S. Bureau of Labor Statistics, employment of logisticians is projected to grow 30% from 2020-2030, much faster than the average for all occupations. The BLS reports the 2020 annual mean wage for logisticians was \$89,540 in Colorado and \$89,180 in Pueblo. Additional occupations in this area include logistics and supply chain managers and logistics and supply chain analysts/specialists.

This customized training program will prepare students with the foundational broad knowledge they will need to understand the world of supply chain management and related core competencies. This program teaches a wide range of skills that are highly marketable in industry, including forecasting, material requirements planning/enterprise resource planning systems, and inventory control. In addition to a certificate of completion, students have the opportunity to earn an industry-recognized supply chain credential.

- Median salary: **\$89,180**
- Growth projection: **26.8%**
- Geographical growth in Pueblo: **Average**
- Geographical growth in Colorado: **High**

Customized training options:





Machining

PCC has a robust curriculum in Machining Technology, offering multiple stacked certificates and a degree. This long-standing program carries a national accreditation from the National Institute of Metalworking Skills.

Students will build a strong foundation in machining by learning to use various tools, do print reading and use CAD CAM software, which enables students to create two-dimensional drawings and gain experience with computer-aided manufacturer software. Learning G&M Code for manual Computer Numerical Control (CNC) programming is a program focus, as well as setup and operations of CNC equipment. Graduates will be well-rounded with traditional machining skills and have the cutting-edge skills for Industry 4.0 and smart manufacturing.

Machining skills are in high demand in the manufacturing sector in Colorado. According to the Colorado Talent Pipeline Report, CNC machinists and programmers are paid a median wage of more than \$22 per hour with a projected growth rate of 23.5% between 2019-2029. The Colorado Talent Pipeline Report indicates sheet metal workers are paid a median wage of more than \$21 per hour with a projected growth rate of 11.1% between 2019-2029.

- **Median salary: \$45,760**
- **Growth projection: 23.5%**
- **Geographical growth in Pueblo: Average**
- **Geographical growth in Colorado: Average**

Customized training options:





Nondestructive Testing

Nondestructive Testing (NDT) is a forward-looking industry experiencing continuous growth. The NDT market was valued at \$16.72 billion (USD) in 2019 and is expected to reach a value of \$24.65 billion (USD) by 2025. According to Labor Insight (Burning Glass Technologies), the overall median salary for Colorado is \$48,752 with job growth projected in Pueblo and Grand Junction.

Nondestructive testing is the examination, testing, or evaluation of a part without destroying or altering the part in any way, for the purpose of determining whether conditions exist that might have an effect on the usefulness of the part.

The goal of this customized training program is to prepare students for employment as high-quality, entry-level technicians within the diverse industries that NDT serves. This skill set is used in the following occupations: Quality inspector, NDT specialist, quality assurance specialist, and construction inspector.

- Median salary: **\$48,752**
- Growth projection: **11.7%**
- Geographical growth in Pueblo: **Average**
- Geographical growth in Colorado: **Average**

Customized training options:





Welding

Welding is among the highest paying skilled trades with tremendous career opportunities. According to the U.S. Bureau of Labor Statistics, there is a 17% projected growth rate of welders in Colorado from 2018-2028 with 730 annual job openings.

Additionally, the 2020 Colorado Talent Pipeline Report highlights projected growth rates for the following occupations from 2019-2029: Sheet metal workers, 11.1%; structural iron and steel workers, 13.3%; and pipefitters, 17.2%. BLS reports the 2020 median earnings for welders was \$44,190 nationally and \$48,090 in Colorado (\$23.12 hourly).

The American Welding Society (AWS) predicts the industry will encounter a shortage of 300,000 welders by 2024. With the average age of a welder at 55, the continuous retirements of baby boomers will result in a substantial deficit.

PCC Welding teaches a wide range of skills that are highly marketable in industry. These include safety, multiple welding processes, fabrication, cutting, print reading, metal properties, lean manufacturing, and more. In addition to their educational awards, students have the opportunity to earn an AWS industry credential.

- **Median salary: \$32,000**
- **Growth projection: 42%**
- **Geographical growth in Pueblo: High**
- **Geographical growth in Colorado: High**

Learning options:





Business

Business degrees and certificates provide generalized knowledge with broad applications in the business world. The skills include computer literacy, management, accounting, professionalism, and finance, giving graduates the confidence and competence to work in varied settings.

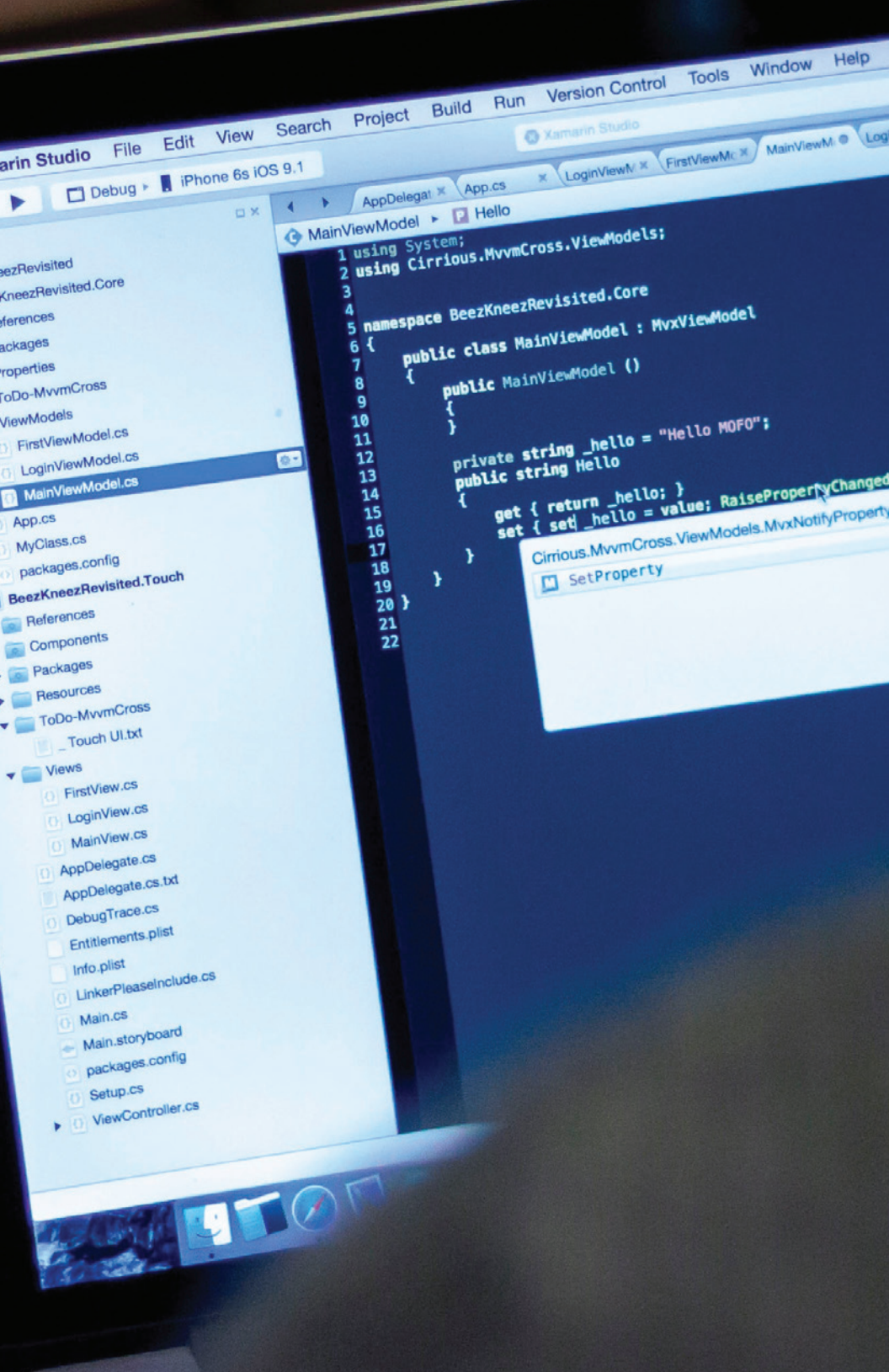
PCC offers a transfer degree and a career degree that prepares students for entry-level positions in marketing, management, sales and small business ownership. There are also specialized certificates in entrepreneurship, bookkeeping, and leadership.

Managers are in high demand across many sectors including insurance, human resources, operations, sales, finance, project management, and production.

- Median salary: **\$62,000**
- Growth projection: **19%**
- Geographical growth in Pueblo: **Average**
- Geographical growth in Colorado: **Average**

Customized training options:





Computer Information Systems

The degrees and certificates available through the CIS program at PCC lead to lucrative employment opportunities in systems administration, support specialists, cybersecurity, or software development. CIS occupations fall under the top job categories with more than 10,000 identified job openings in the state.

Furthermore, the employment growth rates are significantly higher than many other occupations with the Information Sector in the top five statewide. Some examples from the 2020 Colorado Talent Pipeline Report include computer systems analysts with a median salary of \$93,600 and a 12.9% growth rate from 2019-2029; information security analysts, \$98,000 with 41.9% growth; software developers for applications, \$105,000 with 32.5% growth; network administrators, \$81,200 with 11.3% growth; user support specialists, \$70,000 with 14.2% growth.

- Median salary: **\$70,000-\$105,000**
- Growth projection: **11-41%**
- Geographical growth in Pueblo: **Average**
- Geographical growth in Colorado: **High**

Customized training options:





Health Information Technology

Health Information Technology (HIT) is positioned at the intersection of healthcare, technology, and business. HIT professional duties span medical coding, clinical documentation integrity, supporting and creating required computer systems, data analytics, management, patient privacy, network security, and beyond. HIT professionals empower partners in healthcare to provide high-quality, efficient, financially prudent, and life-saving care. PCC's program is accredited at the degree and certificate levels and students can test for the industry national credentials.

The occupations within the industry are expanding significantly, according to the Bureau of Labor Statistics, especially with the increasing challenges surrounding cybersecurity and information governance. The data projects strong growth over a 10-year period in Colorado. There are opportunities to advance into management positions in health informatics and health service managers.

- **Median salary: \$47,810 (\$57,630 with degree)**
- **Growth projection: 26%**
- **Geographical growth in Pueblo: Average**
- **Geographical growth in Colorado: Low**

Training options:





Certified Nurse Aide (CNA)

This program will teach you the basic skills and procedures needed to assist hospital patients, long-term care residents, and home health care clients with their daily living activities as a certified nurse aide. To succeed in this program, students must have a sincere concern for people; good physical and emotional health; an excellent attendance record; an ability to communicate effectively with other health care personnel, patients and their families; and a neat, well-groomed appearance.

The CNA, Pharmacy Technician, and Phlebotomy Technician programs allow participants to pivot rapidly from their current field into the healthcare arena. They are high-demand positions with flexible schedules in various settings that open doors to working in healthcare.

- **Median salary: \$29,000**
- **Growth projection:** Healthcare patient support **20%**
Caregiving **69%**
- **Geographical growth in Pueblo: High**
- **Geographical growth in Colorado: High**

Learning options:





Pharmacy Technician

PCC's Pharmacy Technician program prepares you to work in a pharmacy setting under the supervision of a licensed pharmacist, performing activities that do not require the professional judgment of a pharmacist.

Students will learn to measure, mix, count, label, and record amounts and dosages of medications according to prescription orders. They will also learn to operate automated dispensing equipment when filling prescription orders. In most states, technicians can compound or mix some medications and call physicians for prescription refill authorizations. Students will participate in clinical hours at retail and hospital pharmacies to gain hands-on experience. The locations and times of clinical hours may vary.

- Median salary: **\$32,000**
- Growth projection: **30%**
- Geographical growth in Pueblo: **Average**
- Geographical growth in Colorado: **High**

Learning options:





Phlebotomy Technician

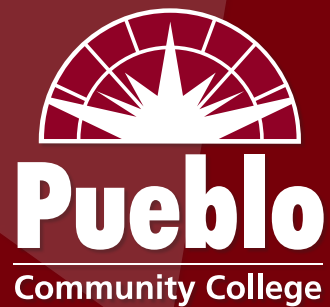
Phlebotomy Technicians collect and process a patient's blood. This program trains participants to work as part of a laboratory team, to draw blood samples for diagnostic medical tests, and to keep careful records of blood tests. Upon completion, graduates can work in hospitals, physician offices, independent laboratories, and health maintenance organizations.

PCC's one-semester, three-course program covers venipuncture, finger puncture, quality control, infection control, safety procedures and clinical experience. Learning experiences include lecture, lab and clinical hours in local laboratories. The program consists of class lectures, simulated labs and a clinical internship to perfect blood drawing skills and prepare you for the workforce as a qualified phlebotomist.

- Median salary: **\$29,000**
- Growth projection: **31%**
- Geographical growth in Pueblo: **Average**
- Geographical growth in Colorado: **High**

Learning options:





PUEBLO • CAÑON CITY • MANCOS • DURANGO • BAYFIELD

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