



CVTECH

6.85 in.

0.85 in.

2026-2027

Program Information Sheets

Dr. Earl Cowan and El Reno Campuses



Dr. Earl Cowan Campus
1701 S Czech Hall Rd
Yukon, OK 73099
(405) 345-3333

El Reno Campus
16505 E HWY 66
El Reno, OK 73036
(405) 262-2629

Table of Contents

Information

About CVTech	1
Technology Center Information	2
Contact Information	3
Program Counselor and Administration	4

Program Information Sheets

3D Design and Modeling	7
Accounting and Business Management	8
Advanced Manufacturing - Automation	9
AI and Programming	10
Automotive Collision Technology	11
Automotive Service Technology	12
Aviation Maintenance Technology (HS)	13
Aviation Maintenance Technology (Adult)	14
Basic Peace Officer Certification (Adult)	15
Biomedical Science (HS)	16
Computer Information Systems	17
Construction Trades	18
Cosmetology	19
Criminal Justice	20
Cybersecurity ...	21
Diesel Technology	22
Digital Media Technology	23
Early Childhood Education	24
Electrical Trades	25
Esthetician	26
Firefighter	27
Graphic Design	28
Health Careers CNA (HS)	29
Health Careers AUA+ (HS)	30
Heating, Ventilation, Air Conditioning & Refrigeration	31
Medical Assistant (HS)	32
Medical Billing and Coding	33
Physical Therapy Services	36
Plumbing (Adult)	37
Practical Nursing (Adult)	38
Precision Machining Technology	39
Pre-Engineering (HS)	40
Project Connect (HS)	41
Project Search (Adult)	42
Service Careers - Building and Ground Maintenance	43
Service Careers - Hospitality	44
Surgical Technology (Adult)	45

Table of Contents

Program Information Sheets (cont)

Teacher Prep (HS)	46
Underground Utility Locating Technician (HS)	47
Vision Care Assistant	48
Welding	49

Appendix

Academic Credits	51
Adult Enrollment Steps	53

Canadian Valley Technology Center

Our mission is to prepare people to succeed through quality career and technical education programs and services.

Since 1970, we have been providing educational opportunities for high school students and adults. Our programs and services help you if you're ready to enter the workforce, if you're going to college, if you're an adult ready to make a career change or simply ready to expand your skills. CV Tech is ready to help you focus on your future.

CV Tech's student body is a diverse group of high school students from 14 sending schools and adults from the communities we serve. We have three campuses and offer training in 29 career fields.

Each year, hundreds of students choose to maximize their education by adding Canadian Valley's career-focused curriculum to their class schedules. Students are taught the fundamental concepts of their chosen field and learn to apply them in a professional lab/shop environment, all while learning to apply math, science, literacy, and employment readiness into their studies. This approach helps our students master highly technical procedures and gives them a head start on developing the work ethic employers demand from employees. As a result, our graduates are prepared to keep up with today's rapidly changing job market.

At CV Tech, instructors utilize instructional delivery that consists of individualized, standards-based learning through the use of an online learning management system and hands-on, skills-driven, project-based learning that includes work-based learning opportunities and capstone projects. Employability skills and academic skills instruction are incorporated with occupational skills education throughout the program.

El Reno



Cowan



Chickasha



CV Tech Information

Schedule

We offer two daytime class sessions:

AM 8:15 - 11:15

PM 12:20 - 3:20

Class sessions are approximately three hours with a ten minute break. Students will spend the entire time in their program unless they are taking a math class at CV Tech.

Transportation

Bus transportation is provided from each high school campus or students may choose to drive to campus.

Industry Certifications

The District will pay up to \$350.00 per student, per program toward trade-specific certification examinations and licenses related to the student's approved program of study. To receive this benefit, a student must:

- be taking their first attempt; does not count for retakes
 - be currently enrolled or recently completed (within the current year)
 - be an in district student in good standing
 - have the program instructor's recommendation to take the exam.
-

High School Credit

Courses that qualify for credit are marked with this symbol  on the program syllabus. They will also be marked with one of the following symbols to identify the type of credit earned.

 = Science Credit

 = Computer Science Credit

 = Math Credit

All  marked courses qualify for Oklahoma Promise credit. OCAS codes are listed on the program information sheet. Awarding of high school credit for courses shall be at the option of the local independent board of education.

Check ODCTE website for continuous updates.

<https://oklahoma.gov/careertech/educators/ocas-codes.html>

College Credit

Our current partnership with Southwestern Oklahoma State University does allow students from certain programs to receive dual credits. This information is noted on the applicable program information sheets. For more information contact a CV Tech counselor. Many Oklahoma colleges use Prior Learning Assessments (PLAs) to award college credit for courses taken or certifications earned at technology centers.

See current Statewide PLA Technical Inventory at

<https://showwhatyouknowok.org/careertech-occupational-licenses/>.

Contact Information

El Reno Campus (405) 262-2629 6505 East HWY 66 El Reno, OK 73036 Director - Jennie Croslin	Administrators	
	Cary, Brandon	(405) 422-2267
	Cook, Alan	(405) 422-2314
	Croslin, Jennie	(405) 422-2348
	Herndon, Corey	(405) 422-2288
	Truelove, Markus	(405) 422-2383
	Counselors	
	Booth, Debra	(405) 422-2262
	Davis, Jennifer	(405) 422-2384
	Franks, Kasey	(405) 422-2315
	Jonsson, Melissa	(405) 422-2387
	Stephens, Kristi	(405) 422-2252
	Special Needs Coordinator	
	Stomprud, Kari	(405) 422-2284
	Outreach and Recruitment Specialists	
	Graham, Alexis	(405) 422-2344
	Voegeli, Katie	(405) 422-2522

Cowan Campus (405) 345-3333 1701 S Czech Hall Road Yukon, OK 73099 Director - Joe Meziere	Administrators	
	Meziere, Joe	(405) 422-2301
	Sneary, Karen	(405) 345-3345
	Counselor	
	Brunk, Carrie	(405) 345-3340
	Special Needs Counselor	
	Holdcomb, Melissa	(405) 345-3376
	Outreach and Recruitment Specialists	
	Graham, Alexis	(405) 422-2344
	Voegeli, Katie	(405) 422-2522

Program Counselor and Administrator

Please direct questions to the counselor and/or administrator that supports each program.

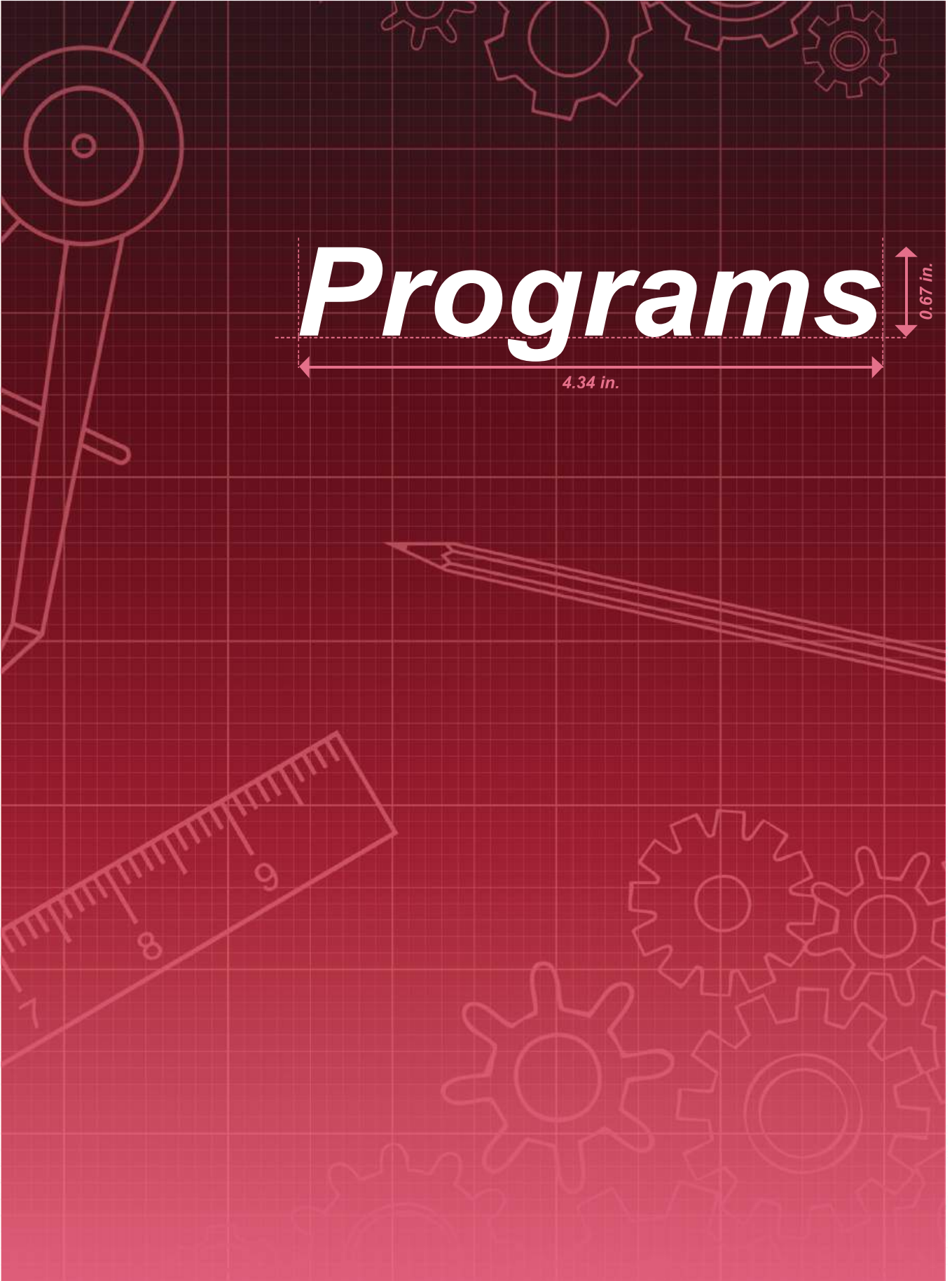
Daytime Program	Campus	Counselor	Administrator
3D Design and Modeling	El Reno	Jennifer Davis	Alan Cook
Accounting and Business Management	Cowan	Melissa Holcomb	Karen Sneary
Advanced Manufacturing - Automation	El Reno	Jennifer Davis	Alan Cook
AI and Computer Programming	El Reno	Jennifer Davis	Markus Truelove
Automotive Collision Technology	El Reno	Melissa Jonsson	Alan Cook
Automotive Service Technology	El Reno	Melissa Jonsson	Alan Cook
Aviation Maintenance Technology (Adult)	El Reno	Kristi Stephens	Brandon Cary
Aviation Maintenance Technology (High School)	El Reno	Kristi Stephens	Brandon Cary
Basic Peace Officer Certification	El Reno	Debra Booth	Alan Cook
Biomedical Sciences	Cowan	Carrie Brunk	Meziere/Sneary
Computer Information Systems	El Reno	Jennifer Davis	Markus Truelove
Construction Trades	El Reno	Jennifer Davis	Brandon Cary
Cosmetology	El Reno	Jennifer Davis	Brandon Cary
Criminal Justice	El Reno	Debra Booth	Alan Cook
Cybersecurity	El Reno	Jennifer Davis	Markus Truelove
Diesel Technology	El Reno	Melissa Jonsson	Alan Cook
Digital Media Technology	El Reno	Debra Booth	Alan Cook
Early Childhood Education	El Reno	Melissa Jonsson	Brandon Cary
Electrical Trades	El Reno	Melissa Jonsson	Brandon Cary
Esthetician	El Reno	Debra Booth	Brandon Cary
Firefighter	El Reno	Debra Booth	Alan Cook
Graphic Design	El Reno	Debra Booth	Alan Cook
Health Careers - CNA & AUA	Cowan	Melissa Holcomb	Meziere/Sneary
Heating, Ventilation, Air Conditioning & Refrigeration	El Reno	Jennifer Davis	Brandon Cary
Math	El Reno	All Counselors	Markus Truelove
Medical Assistant	Cowan	Carrie Brunk	Meziere/Sneary

Program Counselor and Administrator (Cont.)

Please direct questions to the counselor and/or administrator that supports each program.

Daytime Program	Campus	Counselor	Administrator
Medical Billing and Coding	Cowan	Melissa Holcomb	Karen Sneary
Physical Therapy Services	Cowan	Melissa Holcomb	Joe Meziere
Practical Nursing	Cowan	Carrie Brunk	Pam Roberts
Precision Machining Technology	El Reno	Melissa Jonsson	Brandon Cary
Pre-Engineering	El Reno	Debra Booth	Alan Cook
Project Connect	El Reno	Melissa Jonsson	Markus Truelove
Project Search	Cowan	Holcomb / Stomprud	Joe Meziere
Service Careers - Building and Grounds	El Reno	Kari Stomprud	Alan Cook
Service Careers - Hospitality	El Reno	Kari Stomprud	Alan Cook
Surgical Technology	Cowan	Carrie Brunk	Pam Roberts
Teacher Prep	El Reno	Melissa Jonsson	Markus Truelove
Underground Utility Locating Technician	El Reno	Kristi Stephens	Alan Cook
Vision Care Assistant	Cowan	Carrie Brunk	Joe Meziere
Welding	El Reno	Debra Booth	Brandon Cary

Evening Program - Adult Only	Campus	Counselor	Administrator
Cosmetology	El Reno	Kasey Franks	Corey Herndon
Electrical Trades	El Reno	Kasey Franks	Corey Herndon
Esthetician	El Reno	Kasey Franks	Corey Herndon
Heating, Ventilation, Air Conditioning & Refrigeration	El Reno	Kasey Franks	Corey Herndon
Plumbing	El Reno	Kasey Franks	Corey Herndon
Welding	El Reno	Kasey Franks	Corey Herndon



Programs

4.34 in.

0.67 in.

3D Design and Modeling

The 3D Design and Modeling program at CVTech emphasizes communication design through 3D modeling, texturing, animating, rigging, and game design. Students gain introductory skills in traditional design software (AutoCAD, Revit, Bentley Systems, Inventor) to prepare for skills and techniques of emerging technologies (advanced real-time rendering, interactive design and virtual reality using Twinmotion, Blender, and Unreal). Options are offered in civil, architectural, and mechanical design and drafting.

Local Program

Computer Aided Drafting, OCAS 9681/9682

Courses	Hours	OCAS
Fundamentals of Computer Aided Drafting and Design 	120	8905
Engineering Computer Aided Drafting and Design 	120	8904
Fundamentals and Applications in CAD	120	
Drawing and Document Management	190	
CAD Civil <i>Option 1</i> CAD Architectural <i>Option 2</i> CAD Mechanical <i>Option 3</i>	230	
Capstone	180	
Total Hours	960	

Occupations

CAD Drafter Designer
2D Drafter Designer
3D Drafter Designer

Entry Level Salary Range

\$12.00 - \$26.00 per hour

Licensure/Certification

AutoDesk-AutoCAD
AutoDesk-Inventor
AutoDesk-Revit
Bentley Systems

Suggested Entry Level Skills

9th grade reading level; Basic math skills;

Resources

- Solid Professor
- Bentley Systems
- Geometrix

Accounting and Business Management

The Accounting & Business Management program at CVTech provides students with technology and managerial skills needed for success in competitive business careers as well as valuable prerequisite skills for success in college business majors such as accounting, finance, marketing and management. Students choose an emphasis on either accounting or administrative support.

A focus on professional business communication, office procedures, and advanced Microsoft Office software programs including word processing, spreadsheet, database, and presentation software, assist with college readiness and provide professional training for immediate job placement in positions related to accounting and administrative support.

Local Program

Accounting Clerk/Administrative Assistant, OCAS 9202/9226

Option 1: Accounting Clerk

Option 2: Administrative Assistant

Courses	Hours	OCAS
Fundamentals of Technology 	120	8169
Fundamentals of Administrative Technologies 	120	8103
Office Administration & Management 	120	8105
Business Math	40	
Administrative Technologies II 	120	8104
Accounting I	120	
Accounting II <i>Option 1</i> Human Resources Concepts and Digital Marketing <i>Option 2</i>	120	
Payroll Accounting <i>Option 1</i> Customer Assistance <i>Option 2</i>	120	
Capstone	80	
Total Hours	960	

Occupations

Administrative Assistant
Receptionist
Financial Clerk
Accounts Payable and
Receivable Clerk
Payroll Clerk

Entry Level Salary Range

\$15.00 - \$23.00 per hour

Licensure/Certification

Microsoft Office
Specialist
Intuit Certified
Bookkeeping
Professional
Quickbooks Certified
User

Suggested Entry Level Skills

9th grade reading level;
Basic math skills

Resources

- Microsoft Office
- GCFLearnFree.org
- The Office: Procedures and Technology
- Records Management
- The Office Specialist
- Customer Service
- Accounting General Journal
- QuickBooks Pro
- Payroll Accounting

Advanced Manufacturing - Automation

The Automation program at CVTech prepares students for careers in the rapidly evolving manufacturing and automation industries. Career opportunities include roles such as electro-mechanical technician, controls technician, and programmable logic controller (PLC) technician.

Students gain hands-on experience in mechanical systems integration and maintenance, electrical controls, robotic automation, fluid power systems (including hydraulics and pneumatics), and programmable logic controllers. Graduates emerge as multi-skilled professionals equipped to succeed and grow across a wide range of industrial and automation technology fields.

Local Program

Industrial Automation, OCAS 9723/9724

Courses	Hours	OCAS
AC/DC Electrical Systems	104	
Electric Motor Control	82	
Variable Frequency Drives	36	
Fluid Power	203	
Mechanical Systems	122	
Programmable Applications	105	
Robot Integration	120	
Mechatronics/Instrumentations Systems	90	
Capstone - Communication	98	
Total Hours	960	

Occupations

Programmable Logic Control Technician
Programmable Logic Controller Controls Technician
Electromechanical Technician

Entry Level Salary Range

\$28.00 - \$35.00 per hour

Licensure/Certification

OSHA - Lockout/Tagout
SACA - Silver Level
Forklift Certification

Suggested Entry Level Skills

11th grade reading level;
Algebra; Geometry;
Trigonometry

Clothing Requirement

Long pants, short-sleeved shirts, closed-toe shoes with socks, and safety glasses are required.

Resources

- Amatrol: Industrial Maintenance Electrical Systems Advanced Manufacturing
- Universal Robotics UR Academy
- Tech Labs

AI and Programming

The programming program at CVTech equips students with the skills to develop object-oriented and event-driven applications, as well as dynamic, interactive websites. The curriculum emphasizes proficiency in a variety of industry-relevant programming languages, including HTML/CSS, JavaScript, Python, C#, SQL, and others. In addition to technical training, students have the opportunity to earn multiple industry-recognized certifications and develop essential soft skills and job readiness strategies—ensuring they are fully prepared to pursue, secure, and succeed in careers within the technology sector.

Local Program

Web Applications Developer, OCAS 9557/9558

Courses	Hours	OCAS
Fundamentals of Web Design 	240	8153
Python 	240	8871
SQL and PL/SQL Database Applications Development 	240	8141
Network/Client Operating Systems 	240	8121
Total Hours	960	

Occupations

Web Designer
 .Net/C# Programmer
 Python Developer
 Artificial Intelligence

Entry Level Salary Range

\$15.00 - \$28.00 per hour

Licensure/Certification

ITS:
 HTML5 Application
 Development Fundamentals
 Software Development
 Fundamental - C#
 Introduction to JavaScript
 Introduction to Programming:
 Using HTML and CSS
 Database Fundamentals
 Python

Suggested Entry Level Skills

10th grade reading level; Basic
 math skills; Algebra

Resources

- W3 Schools Website
- Mozilla
- Stack Overflow
- React.dev
- Gmetrix

Automotive Collision Technology

CVTech's Automotive Collision Technology program, an I-CAR affiliate, prepares students for success in the collision repair industry. Students gain hands-on experience in auto detailing, nonstructural and structural repair, refinishing, shop management, and customer service. The program emphasizes industry standards, safety, and precision to develop well-rounded, job-ready technicians.

Local Program

Collision Repair Technician, OCAS 9904/9905

Courses	Hours	OCAS
General Safety	25	
Repair and Refinishing	75	
Damage Analysis, Estimating, and Customer Service	30	
Non-Structural Repair	155	
Plastic and Adhesives	75	
Structural Analysis and Repair	100	
Mig (GMAW) Welding	155	
Electrical / Electronics	40	
Painting and Refinishing	180	
Detailing	50	
Trim and Hardware	75	
Total Hours	960	

Occupations

Painter Helper
Body Technician Helper
Auto Detailer
Refinishing Technician
Collision Technician
Estimator / Appraiser
Service Writer
Industrial Refinishing
Parts Manager

Entry Level Salary Range

\$10.00 - \$22.00 per hour

Licensure/Certification

I-Car Academy Certifications

Student ASE:

Painting and Refinishing
Structural Analysis and Damage Repair
Non-structural Analysis and Damage Repair
Mechanical and Electrical

Suggested Entry Level Skills

9th grade reading level; Basic math skills; Algebra, Geometry

Resources

- I-CAR Collision Repair PDP Online
- Auto Collision Repair and Refinishing
- Chief Measuring System
- CCC Estimating Software

Clothing Requirement

Students must wear long pants and close-toe shoes. Must wear clothes that can get dirty; be prepared to get dusty.

Automotive Service Technology

The Automotive Service Technology program at CVTech is a NATEF-aligned curriculum designed to prepare students for careers in the automotive industry through hands-on training and technical instruction. The program emphasizes the diagnosis, maintenance, and repair of passenger vehicles and light trucks, including modern, computer-controlled models. Students receive training across key automotive systems, including brakes, steering and suspension, electrical systems, heating and air conditioning, automatic and manual transmissions, drivetrains, and engine repair and performance.

Local Program

Automotive Technician, OCAS 9906/9907

Courses	Hours	OCAS
Automotive Brakes	120	
Automotive Heating and Air-Conditioning	120	
Automotive Electrical/Electronics	120	
Automotive Steering and Suspension	120	
Automotive Manual DriveTrain and Axle	120	
Automotive Automatic Transmission	120	
Automotive Engine Repair	120	
Automotive Engine Performance	120	
Total Hours	960	

Occupations

Automotive Technician
Automotive Service Advisor
Maintenance/Light Repair Tech
Parts Counter Associate

Entry Level Salary Range

\$12.00 - \$25.00 per hour

Licensure/Certification

EPA 609 Certification
Student ASE:
Brakes
Suspension and Steering
Electrical and Electronic Systems
Heating and Air Conditioning
Maintenance and Light Repair
Engine Performance
Engine Repair
Manual DriveTrain and Axles
Automatic Transmission/Transaxle
Automobile Service Technology

Suggested Entry Level Skills

10th grade reading level; Basic math skills; Algebra; Geometry

Clothing Requirement

Work shirt and work pants; valuable clothing should not be worn, as it could be ruined by contact with dirt and grease. Closed-toe shoes are required; leather, high top, steel toe work shoes, or boots with oil resistant non-slip soles are preferred. Safety glasses are required (1st pair provided).

Resources

- CDX Online Fundamentals of Automotive Technology
- AllData website
- ProDemand website

Aviation Maintenance Technology

High School Only

The high school Aviation program at CVTech is composed of training and course work that helps prepare students for a career as an Aviation Structural Technician. This program provides students with broad and varied experience in aviation science and theory related to aircraft shop practice, maintenance, and repair. Students prepare for a career as aircraft structural technicians and support personnel. Topics include flight line and shop safety, aircraft structures, metals, hand tools, and measuring devices, aircraft riveting, hardware, technical drawings, forming processes, structural repair, and corrosion control.

Local Program

Aviation Maintenance, OCAS 9901/9922

Courses	Hours	OCAS
Applied Sciences of Aircraft Maintenance 	120	8886
Basic Electricity 	120	8887
Aerospace General	246	
Aerospace General II	246	
Airframe I	228	
Total Hours	960	

Occupations

Aviation Structural Technician

Entry Level Salary Range

\$16.00 - \$28.00 per hour

Licensure/Certification

AMT - General

Completion of this course may lead to advanced standing in the Adult Aviation program at CVTech.

Suggested Entry Level Skills

11th grade reading level; Basic math skills; Algebra, Geometry

Clothing Requirement

Students are expected to dress appropriately for the industry including, but not limited to, long pants and closed-toe shoes. Students will be expected to wear protective clothing designated by the instructor. Protective clothing includes aprons, hard hats, shoes covering feet, lab coats, gloves, goggles, and safety glasses. Failure to wear such protective clothing can result in dismissal.

Resources

- Aircraft Structural Technician (Dale Crane)
- Texas Instruments TI30XIIS Calculator
- A&P Technician General Textbook
- A&P Technician Airframe Textbook
- ASA General Test Guide
- ASA Aircraft Inspection, Repair and Alterations AC43, 13 1B and 2B
- Federal Aviation Regulations

The Aviation Maintenance Technology program is composed of the training and course work that meet the eligibility requirements to take the Federal Aviation Maintenance (FAA) examinations for Airframe and Powerplant certification.

This FAA-approved program provides students with broad and varied experience in aviation science and theory related to aircraft shop practice, maintenance and repair. Students are prepared for jobs as aircraft maintenance technicians and support personnel. Topics include general information, basic electricity, airframe structure, airframe systems, reciprocating engines and systems, propeller systems, and gas turbines and systems. The curriculum is structured as follows.

Local Program

Aviation Maintenance Technician

Aviation consists of the three areas below. Individual courses for each area are listed on the next page

Courses	Hours	OCAS
General	566	
Airframe	788	
Powerplant	566	
Total Hours	1920	

Occupations

Aviation Maintenance Technician

Entry Level Salary Range

\$18.00 - \$25.00 per hour

Licensure/Certification

Preparation for assessment/certifications: FAA Mechanics Certificate with Airframe and Powerplant ratings
Federal Aviation Administration (FAA, part 147) approved program

Suggested Entry Level Skills

Minimum scores of 245 in reading and 245 in Quantitative Reasoning, Algebra, and Statistics on the Accuplacer exam.

Clothing Requirement

Students are expected to dress appropriately for the industry including, but not limited to, long pants and closed-toe shoes. Students will be expected to wear protective clothing designated by the instructor. Protective clothing includes aprons, hard hats, shoes covering feet, lab coats, gloves, goggles, and safety glasses. Failure to wear such protective clothing can result in dismissal.

Resources

- Texas Instruments TI30XIIS Calculator
- Aviation Mechanic Series General
- A&P Technician Airframe Textbook
- A&P Technician Powerplant Textbook
- ASA General Test Guide
- ASA Airframe Test Guide
- ASA Powerplant Test Guide
- ASA Aircraft Inspection, Repair and Alterations AC43.13 1B and 2B
- Federal Aviation Regulations (FAR-AMT)

Basic Peace Officer Certification

Adult Only

The Basic Peace Officer Certification (BPOC) at CVTech is made possible through a collaborative effort between the Council on Law Enforcement Education and Training (CLEET), the Oklahoma legislature, and Career Tech. The program prepares cadets for a career in law enforcement, corrections, and public safety. Cadets learn a variety of police fundamentals and functions including firearms, investigations, and forensics.

Courses	Hours	OCAS	Occupations
Orientation / Intro to Law	4		Law Enforcement
Ethics	16		Security
Report Writing	13		Corrections
Community / Human Relation	14		Public Safety
Legal Matters	46.5		
NIMS 700	2		
Traffic	17.5		
SFST	32		
Radar / Lidar	4		
First Aid for Peace Officers	14		
Criminal Investigations	81		
Patrol	68		
Firearms Training	73		
Law Enforcement Driver Training	42		
Custody and Control	72		
EOI Practical Exercises	59		
Administrative and Exams	19.5		
Physical Training	54.5		
Crisis Intervention Team	40		
Taser Training	8		
LASER	16		
Emotional/Financial Planning for LE	4		
Total Hours	700		
			Entry Level Salary Range
			\$39,981- 57,860- Annually
			Licensure/Certification
			Basic Peace Officer Certification
			Basic Life Support
			Resources
			70 OS 3311 CLEET Training
			Suggested Entry Level Skills
			10th grade reading level; Basic math skills
			Prerequisites
			Must meet CLEET requirements (background check, fingerprints, physical assessment, POSSE Exam, MMPI, H.S. diploma or GED, age 21, U.S. citizen or resident alien), physical agility test, and physician's assessment.
			Prior Learning Assessment:
			Students that complete this program may receive credit from SWOSU for 29 hours of 4000 level course credit.

The Biomedical Science program at CVTech offers students an engaging, hands-on learning experience focused on the human body, cell biology, genetics, disease processes, and related biomedical topics. Utilizing the nationally recognized Project Lead the Way curriculum, the program is complemented by advanced coursework in science and mathematics. Designed for college-bound students, this program provides a strong foundation for those pursuing advanced studies in medicine, healthcare, and related fields.

Local Program

Biomedical Sciences STEM Academy, OCAS 9852/9870

Courses	Hours	OCAS
Sophomore		
Accelerated Algebra II  	120	4412
Accelerated Chemistry  	120	5051
PLTW Principles of Biomedical Sciences  	240	8706
Junior		
AP Pre-Calculus  	120	4614
AP Chemistry or Anatomy and Physiology  	120	5055 5333
PLTW Medical Interventions  	240	8708
Senior		
AP Statistics  	120	4760
AP Biology  	120	5035
PLTW Biomedical Innovation  	240	8719
Total Hours	1440	

Retention Criteria

It is recommended that students maintain a C or higher to progress to the next semester.

Credits and Certifications

NOCTI Biotechnology Certification

Students are expected to take AP exams and may earn college credit with qualifying scores

Suggested Entry Level Skills

Completed Biology I, Algebra I, and Geometry in high school with a grade of "B" or better in all math and science courses and a strong interest in the medical field. A grade of "C" or better in accelerated and AP courses. 90% attendance for the previous semester, or supporting documentation for extenuating circumstances.

Dual Credit Options:

CVTech Course:

AP Pre-Calculus
Anatomy and Physiology

SWOSU Course:

College Algebra
Anatomy and Physiology 1

Resources

- Biology In Focus: AP Edition
- Human Anatomy and Physiology
- Introductory Chemistry
- Chemistry: A Molecular Approach AP
- Pearson Algebra 2
- Practice of Statistics, 8th Ed
- Precalculus: Graphical, Numerical, Algebraic

Computer Information Systems

The Computer Information Systems program at CVTech prepares students to repair, maintain, and troubleshoot personal computers and related hardware, as well as install and configure operating systems and application software. Students also learn to install, configure, and support local area networks (LANs) within an organizational setting. The curriculum equips students with the technical skills necessary to pursue industry-recognized certifications.

Local Program

Network PC Support Technician, OCAS 9542/9543

Courses		Hours	OCAS
Computer Repair & Troubleshooting I		240	8136
Computer Repair & Troubleshooting II		240	8137
Routing & Switching I		240	8125
Routing & Switching II		240	8126
Total Hours		960	

Occupations

Entry Level Computer Technician
Client Support Technician
Help Desk Technician
Network Technician
PC Technician

Entry Level Salary Range

\$18.00 - \$20.00 per hour

Licensure/Certification

CompTIA
A+
Network+
Security+
Linux+
ITS
Device Configuration and Management
Network Security
Cybersecurity
Networking

Suggested Entry Level Skills

10th grade reading level;
Basic math skills;

Resources

- LabSIM TestOut

Construction Trades

The Construction Trades program at CVTech provides hands-on training in modern commercial and residential building techniques including frame and finish carpentry. Instruction covers roofing, wood and metal framing, siding, doors and trim, cabinetmaking, and basic flooring concepts.

Local Program

General Carpenter, OCAS 9098/9099

Courses	Hours	OCAS
Core Construction	120	
Structural Framing	360	
Cabinet Construction	250	
Cabinet Installation	80	
Interior Finishing	90	
Construction Principles	60	
Total Hours	960	

Occupations

Carpenter
Cabinet Maker's Assistant
Equipment Operator

Entry Level Salary Range

\$17.50 - \$22.00 per hour

Licensure/Certification

OSHA 10 - Construction
Forklift

Suggested Entry Level Skills

9th grade reading level; Basic
math skills

Clothing Requirement

Closed-toe shoes (work boots or tennis shoes); no loose-fitting clothing.

Resources

- Carpenters International Career Connections
- Project Book 3 Residential and Commercial

Cosmetology

The Cosmetology program at CVTech prepares students enrolled in the cosmetologist program for the State Board of Cosmetology licensing exam and to work in the cosmetology industry. Students will receive classroom instruction and hands-on training in sanitation, hair, scalp, nail, and facial treatments. Students must complete 1250 hours of training; high school students may have 250 hours waived if high school courses are successfully completed. Students must register with the State Board of Cosmetology which requires a \$10.00 fee and documentation of date of birth (must be 16 years old by November 1st) and social security number prior to attending class.

High school students may not be enrolled in a pull-out academic class.

Local Program

Cosmetologist, OCAS 9478/9488

Courses

**Hours
HS**

**Hours
Adult**

Introduction to Cosmetology/Theory

150

125

Scalp Treatments and
Shampoo/Conditioning

30

25

Hair Cutting and Hair Shaping

180

160

Hairstyling

120

250

Hair Color Tints and Bleaching

120

140

Hair Restructuring / Permanent Waving

180

200

Basic Manicure/Pedicure

60

70

Basic Facials

60

130

Professional Development/Customer
Service/Shop Management

100

150

Total Hours

1000

1250

Occupations

Cosmetologist
Nail Technician
Esthetician

Entry Level Salary Range

\$17.00 - \$35.00 per hour

Licensure/Certification

Cosmetologist License from the
State Board of Cosmetology

Suggested Entry Level Skills

10th grade reading level; Basic
math skills; Algebra

Clothing Requirement

Uniforms are required; the cost is typically between \$50 to \$60 for top and pants and \$20 for shoes.

Resources

- Pivot Point Cosmetology
- S/P2 Safety

Criminal Justice

The Criminal Justice program at CVTech is designed to prepare students for careers in public safety and emergency response. With a focus on foundational skills and real-world scenarios, students explore roles such as dispatcher, corrections officer, security professional, and are equipped to pursue further education toward becoming a police officer. The program includes training and certification opportunities, helping students develop into well-rounded, service-driven first responders committed to community safety.

Local Program

Criminal Justice, OCAS 9629/9638

Courses	Hours	OCAS
Police Function and Fundamentals	100	
First Aid & CPR	9	
911 Telecommunicator	90	
Criminal Law / Procedures	105	
Narcotics and Clandestine Lab Investigations	30	
Defensive Tactics and Physical Fitness	160	
Traffic Management & Accident Investigation	40	
Criminal Investigations and Evidence	195	
CLEET Phase 1	135	
CLEET Phase II	36	
Crisis Intervention and the Emotionally Disturbed	60	
Total Hours	960	

Occupations

Emergency
Telecommunicator
Security Guard
Detention Officer

Requires additional education
or certifications:
Police Officer

Entry Level Salary Range

\$14.00 - \$37.00 per hour

Licensure/Certification

Basic Life Support
Recreational UAS Safety
Private Security, Phase I Basic
Private Security, Phase II Basic
Private Investigator, Phase III

Suggested Entry Level Skills

10th grade reading level; Basic
math skills

Resources

- Forensic Science Fundamentals & Investigations, 3rd Edition
- Law Enforcement I
- Private Security, Phase I Basic
- Private Security, Phase II Basic
- Private Investigator, Phase III

Clothing Requirement

Students must wear closed-toe shoes for all activities (no sandals allowed). Students are required to wear a uniform that will be purchased in the bookstore. If a hat is worn, the brim must be facing their face.

Cybersecurity

The Cybersecurity program at CVTech prepares students for the modern workforce through a hands-on, "Product Cyber Engineering" methodology. Operating as simulated CyberSec Contractors, students learn the complete engineering lifecycle: designing, building, securing, and validating complex enterprise environments from scratch based on real-world Statements of Work (SOW). Moving beyond basic theory, students deploy virtualization infrastructure, enforce Zero Trust architecture, conduct live-fire threat validations, and execute Incident Response playbooks. The program heavily emphasizes critical thinking, teaching students to bridge the gap between deep technical execution and strict regulatory compliance (such as NIST, CMMC, and HIPAA).

Local Program Cybersecurity Specialist, OCAS 9530/9564			Occupations SOC Analyst Cybersecurity Analyst Pentester	
Courses	Hours	OCAS	Entry Level Salary Range \$20.00 - \$29.00 per hour	
Network/Client Operating Systems 	150	8121	Licensure/Certification CompTIA Security+ CompTIA CySA+ Certified in Cybersecurity Cisco Certified Network Associate (CCNA) Cisco Certified Support Technician - Cybersecurity Cisco Certified Support Technician - Networking Systems Security Certified Practitioner (SSCP) Certified Information Systems Security Professional (CISSP) Certified Cloud Security Professional (CCSP) Microsoft Security Operations Analyst Association (SC200)	
Enterprise Security Management	270			
Network Security	270			
Cyber Forensics 	60	8134		
Regulatory Compliance & Auditing 	210	8186		
Total Hours	960		Suggested Entry Level Skills 10th grade reading level; Basic math skills	

Resources

- ISC²
- TryHackMe

Diesel Technology

The Diesel Technology program at CVTech is a NATEF-aligned curriculum designed to prepare students for careers in diesel maintenance and repair. With a focus on heavy-duty, over-the-road trucks and equipment, students receive hands-on training in servicing diesel engines, powertrain components, fuel and electrical systems, air brake systems, and cab air conditioning.

Local Program

Commercial Truck Technician, OCAS 9912/9913

Courses	Hours	OCAS
Fundamentals of Medium/Heavy Diesel Truck Technology	75	
Medium/Heavy Truck Steering and Suspension	90	
Medium/Heavy Truck Brakes	105	
Medium/Heavy Truck Preventive Maintenance	105	
Medium/Heavy Diesel Truck Drivetrain	45	
Medium/Heavy Truck Electricity	220	
Medium/Heavy Diesel Truck Heating and Air Conditioning Introduction	90	
Medium/Heavy Truck Engine Systems	230	
Total Hours	960	

Occupations

Diesel Technician
Hydraulic Equipment Technician
Diesel Drive Hydraulic Technician

Entry Level Salary Range

\$17.00 - \$25.00 per hour

Licensure/Certification

Student ASE:
Brakes
Steering and Suspension
Electrical
Diesel Engines

Forklift
ODCTE Competency Exams

Suggested Entry Level Skills

10th grade reading level; Basic math skills; Algebra; Geometry

Clothing Requirement

Jeans, steel-toe shoes or boots, and safety glasses are required and metatarsal guards are recommended. Lightweight coveralls may be used to protect clothing.

Resources

- CDX Medium/Heavy Vehicle
- AllData website
- Truck Pro website

Digital Media Technology

The Digital Media Technology program at CVTech prepares students for careers in video production and digital communication. Using Apple computers and industry-standard software, students produce a variety of media content while gaining hands-on experience in both creative and technical aspects of digital media. All students receive training in drone operation, with the opportunity to earn FAA commercial drone pilot certification. Video Production students focus on Adobe Premiere Pro and After Effects, while Digital Communications students develop marketing materials using Adobe Photoshop and InDesign, along with strategies for digital marketing through social media platforms.

Local Program

Multimedia Specialist, OCAS 9540/9541

Option 1 Digital Communications

Option 2 Video Producer

Courses	Hours	OCAS
Fundamentals of Technology 	120	8169
Digital Media Production	120	
Multimedia & Image Management Techniques 	120	8150
Digital Editing and Production Photography	120	
Digital Marketing <i>Option 1</i>	80	
Broadcast Production <i>Option 2</i>	80	
Non-Linear Digital Editing <i>Option 1&2</i>	80	
Desktop Publishing and Graphic Design 	120	8149
<i>Option 1</i>		
Audio Production <i>Option 2</i>		
Advertising Strategies <i>Option 1</i>	120	
Non-Linear Digital Production <i>Option 2</i>	120	
Capstone	80	
Total Hours	960	

Occupations

Production Assistant
Digital Media Specialist
Photographer
Marketing Assistant

Entry Level Salary Range

\$14.00-\$25.00 per hour

Licensure/Certification

Adobe Certified Associate:
InDesign
Photoshop
Premiere Pro

FAA Certification:

Recreational Flyer
Commercial Unmanned
Aerial Systems (UAS)

Students will create a
professional portfolio or
demo reel

Suggested Entry Level Skills

9th grade reading level;
Basic math skills

Resources

- Gmetrix
- AccuSkills
- Stukent

Early Childhood Education

The Early Childhood Education program at CVTech prepares students for careers in early childhood education. Students gain hands-on experience through rotations at the on-site Child Development Center, accredited by the National Accreditation Commission for Early Care and Education Programs (NAC). The center serves children from six weeks to five years of age. As part of the program, students begin building a professional portfolio toward earning the nationally recognized Child Development Associate (CDA) Credential.

Local Program

Early Childhood Education, OCAS 9480/9489

Courses	Hours	OCAS
Planning a Safe, Healthy Learning Environment	120	
Advancing Children's Physical and Intellectual Development	120	
Supporting Children's Social and Emotional Development	120	
Building Productive Relationships with Families	120	
Managing an Effective Program	120	
Maintaining a Commitment to Professionalism	120	
Observing and Recording Children's Behavior	120	
Understanding Principles of Child Development	120	
Total Hours	960	

Occupations

Early Childhood Education
Master Teacher

Entry Level Salary Range

\$8.00 - \$18.00 per hour

Licensure/Certification

CECPD Certifications:

Entry Level Child Care Training
Sleep Safe
Early Learning Guidelines
American Heart Association
BLS / First Aid

ODCTE Competency Tests:

Teacher Assistant
Master Teacher
Pathway to Your National
Credential

After completing this program, students who complete the CDA process while working at a child development center may apply for their National Credential.

Suggested Entry Level Skills

9th grade reading level; Basic math skills

Clothing Requirement

Closed-toe shoes required in the Child Development Center kitchen. Clothing should be washable and fit to allow for movement, outdoor activities and sitting on the floor with children.

Resources

- Working with Young Children
- Child Development
- The Child Development Associate National Credentialing Program and CDA Competency Standards

Electrical Trades

The daytime and evening Electrical Trades programs at CVTech, affiliated with Oklahoma CareerTech, prepare students for both residential and commercial electrical work. Students gain hands-on experience and foundational knowledge in electrical installations, safety practices, blueprint reading, National Electrical Code (NEC) standards, NEC code calculations, and wiring methods. Graduates who meet specific requirements may earn a certificate recognized by the Oklahoma Construction Industries Board as 1000 hours of experience toward the Journeyman process.

Local Program

Electrician's Assistant, OCAS 9058/9086

Courses	Hours	OCAS
General Safety	100	
Tools and Meters	40	
Blueprint Reading	30	
Electrical Distribution in Construction	40	
Basic Conduit Theory	100	
Alternative Current Theory	60	
Electrical Wiring Installations	390	
Environmental Electrical Practices	80	
Electric Motor Control	80	
National Electrical Code	80	
Total Hours	1000	

Occupations

Electrical Apprentice
Electric Maintenance
Motor Control Apprentice
Junior Electrical Estimator
Generator Installation and
Maintenance Technician

Entry Level Salary Range

\$16.00 - \$24.00 per hour

Licensure/Certification

OSHA 10 - Construction

Preparation for assessment:
Residential Certification
Commercial Certification

Suggested Entry Level Skills

9th grade reading level; Basic
math skills; Algebra; Geometry;

Clothing Requirement

Personal Protective Equipment (PPE) including safety glasses, closed-toe shoes and coveralls or overalls.

Resources

- Construction Core Curriculum;
- 221 Trainee Guide
- Modern Residential Wiring
- Modern Commercial Wiring

Esthetician

The Esthetician program at CVTech prepares students enrolled in the esthetician program for the State Board of Cosmetology licensing exam and to work in the cosmetology industry. Students will receive classroom instruction and hands-on training in sanitation and facial treatments. Students must complete 600 hours of training. Students must register with the State Board of Cosmetology which requires a \$10.00 fee and documentation of date of birth (must be 16 years old by November 1st) and social security number prior to attending class.

High school students may not be enrolled in a pull-out academic class and must commit to attending in June to complete the program.

Local Program

Esthetician/Facialist/Facial Operator, OCAS 9481

Courses	Hours	OCAS
Bacteriology, Disinfection, Sanitation and Safety	80	
Sciences: Histology, Dermatology and Physiology of the Skin	180	
Facials	200	
Non-Permanent Hair Removal	40	
Salon Development	60	
Board Rules, Regulations and Statutes	40	
Total Hours	600	

Occupations

Esthetician
Facialist
Facial Operator
Skin Care Specialist

Entry Level Salary Range

\$18 - \$23 per hour

Licensure/Certification

Esthetician / Facialist License
from the State Board of
Cosmetology

Suggested Entry Level Skills

10th grade reading level; Basic
math skills

Clothing Requirement

Uniforms are required; the cost is typically between \$50 to \$60 for top and pants and \$20 minimum for shoes.

Resources

- Pivot Point

Firefighter

High School
Seniors Only

The Firefighter program at CVTech is a one year program targeted to high school seniors. The program provides a foundational understanding of firefighting and hazardous materials response. Through a combination of classroom instruction and hands-on training, students will study fire behavior, fire prevention, suppression techniques, rescue operations, and the use of personal protective equipment that will prepare them for industry certifications. Embedded in this course is CPR, National Incident Management Systems (NIMS), Traffic Incident Management Systems (TIMS) and Physical Fitness.

Local Program

Firefighter, OCAS 9630

Courses	Hours	OCAS
First Aid and CPR	10	
National Incident Management Systems	20	
Hazardous Materials Awareness	70	
Firefighter I	210	
Firefighter Physical Training	84	
Firefighter II	50	
Basic Vehicle Extrication	20	
Flammable Liquid and Gas Emergencies	16	
Total Hours	480	

Occupations
Firefighter

Entry Level Salary Range
\$21.00 - \$28.00 per hour

Licensure/Certification
Basic Life Support
Firefighter I
Firefighter II
NIMS/TIMS
Hazardous Material Awareness
Hazardous Materials
Operations

Suggested Entry Level Skills
10th grade reading level; Basic
math skills

Program Fee

Students will be required to pay a program fee estimated to be \$250. Price is subject to change.

Resources

- Hazardous Materials For First Responders 6th Edition
- Essentials 8 For Firefighting-Firefighter 1 & 2
- 2024 Emergency Response Guide
- National Incident Management Systems 100, 200, 700 and 800 online course

Clothing Requirement

Students must wear closed-toe shoes for all activities (no sandals allowed). Students are required to wear a uniform for class and for physical training that will be purchased in the bookstore. If a hat is worn, the brim must be facing their face.

Graphic Design

The Graphic Design program at CVTech prepares students for entry-level positions in the graphic design industry, including roles in print shops, sublimation studios, and related fields. Students gain proficiency in Adobe Creative Cloud software—InDesign, Illustrator, and Photoshop—along with various supporting tools used to create and edit visual content. The curriculum emphasizes core design principles in addition to providing hands-on training with industry-relevant production equipment. By the end of the course, students will have built a professional portfolio to showcase their creativity and skills.

Local Program

Graphic Designer, OCAS 9133/9144

Courses	Hours	OCAS
Desktop Publishing and Graphic Design 	180	8149
Multimedia & Image Management Techniques 	120	8150
Graphics Installation	80	
Typography	100	
Production Techniques	140	
Illustration	140	
Page Layout Advertising Design	180	
Fundamentals to Portfolio Development	20	
Total Hours	960	

Occupations

Graphic Artist
Print Shop Associate
Production Assistant
Sublimation Technician

Entry Level Salary Range

\$15.00 - \$25.00 per hour

Licensure/Certification

Adobe Certified Associate:
Illustrator
Photoshop
InDesign

Students will create a professional portfolio

Suggested Entry Level Skills

10th grade reading level;
Basic math skills
(understanding the marks on a ruler for example)

Required Materials

There is a \$50 materials fee that is required for all students in this program.

Resources

- Advertising and Design
- Creative Workshop
- GO: A Kidd's Guide to Graphic Design
- GMetrix
- CONDÈ Video Training
- The Print Handbook

The first year of the Health Careers program at CVTech prepares students in core medical knowledge, anatomy, physiology, medical terminology, CPR, health care communication, and long term care aide skills. Students who complete the program will take the certification test for Long Term Care Aide, also known as Certified Nursing Assistant (CNA), and have the opportunity to add Home Health Aide to their certification. Students who receive their CNA may choose to apply to the following for their second year: Advanced Unlicensed Assistant AUA+, Medical Assistant, Vision Care Assistant, Physical Therapy Services, or Medical Billing and Coding.

Local Program

Health Careers CNA, OCAS 9301

Courses	Hours	OCAS
Medical Terminology	60	
Anatomy and Physiology 	120	5333
HealthCare Provider CPR	9	
Certified Nursing Assistant <i>includes National Health Science Standards (Core) and a minimum of 16 clinical hours in a long term care facility or setting</i>	275	
Home Health Care Nursing Assistant	16	
Total Hours	480	

Occupations

Certified Nursing Assistant
Home Health Aide

Entry Level Salary Range

\$15.00 - \$16.00 per hour

Licensure/Certification

AHA BLS Provider CPR
Long Term Care Aide LTCA /
Certified Nursing Assistant
CNA
Home Health Aide

Suggested Entry Level Skills

10th grade reading level; Basic
math skills; Algebra

Clothing Requirement

Students must wear scrubs every day (dark gray/pewter); you may wear a HOSA or CV Tech t-shirt instead of a scrub top. A sweatshirt or jacket is allowed with a HOSA or CV Tech short sleeve t-shirt under. Students must wear healthcare appropriate shoes (athletic, closed toe shoes that are clean and professional, no Croc type shoes).

Dual Credit Options:

CVTech Course:

Anatomy and Physiology

SWOSU Course:

Anatomy and Physiology 1

Resources

- Hartman Medical Terminology
- The Human Body in Health and Illness
- Hartman's Nursing Assistant Care – Long Term Care and Home Care

The Health Careers AUA+ program at CVTech offers students a comprehensive entry point into the healthcare field, beginning with training and certification as an Advanced Unlicensed Assistant (AUA). Students then advance to focused instruction in EKG technology and phlebotomy.

Those who meet additional qualifications may pursue a specialized track designed to serve as a foundation for nursing education. Each pathway within the program equips students with the knowledge, skills, and experience needed for continued education and long-term career advancement in the healthcare industry. *This program requires that a student has already completed Health Careers CNA.*

Local Program

Health Careers AUA+, OCAS 9331

Courses	Hours	OCAS
Advanced Unlicensed Assistant	240	
<i>Option 1</i>		
EKG Technician	120	
Phlebotomy	120	
<i>Option 2</i>		
Fundamentals of Nursing I	165	
Fundamentals of Nursing II	75	
Total Hours	480	

Occupations

Certified Nursing Assistant
Home Health Aide
Advanced Unlicensed Assistant
Phlebotomist
EKG Tech
Monitor Tech

Entry Level Salary Range

\$15.00 - \$19.00 per hour

Licensure/Certification

AHA BLS Provider, CPR
NCCT ECG Technician NCET
NCCT Phlebotomy Technician
NCPT
Advanced Unlicensed Assistant

Suggested Entry Level Skills

10th grade reading level; Basic math skills; Algebra

Required for Enrollment

- For AUA and Option 1 above: Must have Long Term Care Aide Certificate
- For AUA and Option 2 above: Must have Long Term Care Aide Certificate, Score of 250 or higher on Accuplacer Reading and Arithmetic Tests; an 80% or higher in MedTerm and Anatomy and Physiology

Clothing Requirement

Students must wear scrubs every day (dark gray/pewter); you may wear a HOSA or CV Tech t-shirt instead of a scrub top. A jacket is allowed with a HOSA or CV Tech short sleeve t-shirt under. Students must wear healthcare appropriate shoes (athletic, closed toe shoes that are clean and professional, no Croc type shoes).

Resources

- Lippincott Acute Care Skills for Advanced Nursing Assistants
- Basic Arrhythmias
- Blood Collection
- Fundamentals of Nursing Care
- The Human Body in Health and Illness

Heating, Ventilation, Air Conditioning, & Refrigeration

The HVACR program at CVTech provides an introduction to residential and light commercial systems. Students gain foundational knowledge and hands-on experience in key areas, including workplace safety, mechanical systems, refrigeration principles, electrical systems specific to HVACR, residential and light commercial air conditioning, domestic and commercial refrigeration, and sheet metal fabrication. *The evening program is adult only.*

Local Program

Residential and Light Commercial HVACR Technician,
OCAS 9059/9080

Courses	Hours	OCAS
Zoning, Ductless, and Variable Refrigerant Flow Systems	70	
Refrigeration Handling and Systems	85	
Heat Pumps	45	
HVAC System Installation and Start-Up	305	
Principles of Heat Transfer and Thermodynamics	195	
Electricity for HVAC	50	
Heat and Air Flow	105	
General Safety	90	
Career major Capstone - WBL/Internship	55	
Total Hours	1000	

Occupations

Apprentice HVAC Technician
Sheet Metal Fabrication
Apprenticeship

Entry Level Salary Range

\$15.00 - \$20.00 per hour
After obtaining a Journeyman's License, employees may earn \$20.00/hour or more.

Licensure/Certification

EPA 608 Certification
HC/HFO Certification
Techniques and Regulations for the Safe Handling of Flammable Hydrocarbon and Hydrofluoroolefin Refrigerants

OSHA 10 General Safety
Gastite Certification

Suggested Entry Level Skills

10th grade reading level; Basic math skills; Algebra; Geometry

Clothing Requirement

Closed-toe shoes and proper PPE are required and long pants are recommended in the shop.

Resources

- NCCER Core Curriculum Trainee Guide
- Your Role in the Green Environment
- NCCER HVAC Level 1-4 Trainee Guide
- Refrigerant Charging and Service Procedures for Air Conditioning

Medical Assistant

High School Only

The Medical Assistant program at CVTech prepares students for a dynamic career in healthcare. Students will learn essential clinical skills like assisting with patient exams, performing diagnostic tests, and conducting lab procedures, along with key administrative tasks such as scheduling and electronic health record management. Upon completion, students are eligible to sit for the NCCT Medical Assistant, ECG Technician, and Phlebotomy Technician exams. This program opens doors to employment in clinics, hospitals, and physician offices, and can also serve as a stepping stone toward other careers in nursing.

Local Program

Medical Assistant, OCAS 9326/9388

Courses	Hours	OCAS
Medical Terminology	60	5333
Anatomy and Physiology 	120	
Medical Assisting Simulation	60	
Law and Ethics for Medical Careers	120	
Clinical Procedures I	120	
Medical Assisting Lab Procedures	120	
Pharmacology	120	
Clinical Procedures II	120	
Administrative Medical Office	60	
Medical Assisting Practicum	60	
Total Hours	960	

Occupations

Medical Assistant
Phlebotomist

Entry Level Salary Range

\$14.00 - \$18.00 per hour

Licensure/Certification

NCCT Certified Medical
Assistant
NCCT Phlebotomy Certification
NCCT EKG Technician

Suggested Entry Level Skills

9th grade reading level; Basic
math skills

Clothing Requirement

Follow Canadian Valley Technology Center dress code policy for classroom, lab and clinical area.
Clean, neat scrubs, navy, are required for clinical rotation.

Resources

- Hartman Medical Assistant Textbook and Workbook
- HIPAA Online

Medical Billing and Coding - Medical Coding

The Medical Coding program at CVTech equips students with the knowledge and skills needed for careers in medical billing, coding, and administrative support. The curriculum includes training in administrative medical assisting, medical terminology, basic anatomy and physiology, medical coding, insurance processing, and electronic health records. This training prepares students for employment in medical offices and healthcare facilities in roles such as medical billing specialist, medical coder, or administrative medical assistant.

Local Program

Medical Coding Specialist, OCAS 9230/9231

Courses	Hours	OCAS
Foundations of Medical Office	100	
Electronic Health Record	60	
Medical Terminology and Disease Processes for Medical Coding	240	
Diagnostic Coding	180	
Procedure Coding	180	
Advanced Diagnostic Coding <i>Option 1</i> Advanced Procedural Coding <i>Option 2</i>	80	
Medical Insurance and Patient Billing	120	
Total Hours	960	

Occupations

Medical Insurance/Billing Specialist
Medical Coder
Medical Office Assistant
Medical Administrative Assistant
Patient Services Representative

Entry Level Salary Range

\$15.00 - \$19.00 per hour

Licensure/Certification

AHIMA Certified Coding Specialist
AAPC Certified Professional Coder
NHA Certified Billing and Coding Specialist
NHA Certified Electronic Health Record Specialist

Suggested Entry Level Skills

Keyboarding at 35 words per minute; 10th grade reading level; Basic math skills

Dual Credit Options:

CVTech Course:

Outpatient Coding
Inpatient Coding
Medical Terminology

SWOSU Course:

Coding 1
Coding 2
Medical Terminology

Prior Learning Assessment:

Students that receive a certification listed above may receive credit from SWOSU for Coding I, Coding II, and Coding III.

Resources

- Administrative Medical Assistant
- Med Term and Anatomy for Coding
- CPT - Step-By-Step
- CPT - Professional
- Icd-10-Cm/Pcs Coding
- Icd-10-Cm Expert for Hospitals
- Icd-10-Pcs Expert
- Insurance Handbook for Medical Office

Medical Billing and Coding - Patient Account Representative

Adult Only

The Patient Account Representative program at CVTech provides adult students with comprehensive training in administrative medical assisting, medical billing, and electronic health records. This program prepares students for employment in medical offices and healthcare settings in a variety of administrative roles. Students may also have the opportunity to earn nationally recognized certifications through the National Healthcareer Association (NHA), enhancing their qualifications and job readiness in the healthcare industry.

Local Program

Patient Account Representative, OCAS 9213

Courses	Hours	OCAS
Fundamentals of Administrative Technologies	120	
Medical Terminology	80	
Patient Billing and Medical Insurance	160	
Electronic Health Records	120	
Medical Office Procedures	120	
Total Hours	600	

Occupations

Patient Account Representative
Patient Services Representative
Medical Office Assistant
Medical Administrative Assistant

Entry Level Salary Range

\$14.00 - \$16.00 per hour

Licensure/Certification

Administrative Medical Assistant CTTC
NHA Certified Electronic Health Record
Specialist
NHA Certified Medical Administrative
Assistant

Suggested Entry Level Skills

Keyboarding at 35 words per minute
with 97% accuracy; 10th grade reading
level; Basic math skills

Clothing Requirement

Follow Canadian Valley Technology Center dress code policy for classroom, lab and clinical area.

Resources

- Medical Terminology Systems
- Kinns Administrative Medical Assistant

Medical Billing and Coding - Patient Account Specialist

High School Only

The Patient Account Specialist program at CVTech prepares high school students for careers in healthcare administration through focused training in administrative medical assisting, medical billing, and electronic health records. The curriculum equips students with the skills necessary for employment in medical offices and healthcare facilities in a variety of administrative roles.

Students also have the opportunity to earn nationally recognized certifications through the National Healthcareer Association (NHA) and Microsoft Office. This allows students to demonstrate proficiency in essential software applications commonly used in healthcare environments and enhance students' professional credentials and readiness for both immediate employment and future educational opportunities.

Local Program

Patient Account Specialist, OCAS 9230/9231

Courses	Hours	OCAS
Fundamentals of Technology 	120	8169
Fundamentals of Administrative Technologies 	120	8103
Office Administration and Management 	120	8105
Medical Terminology	180	
Electronic Health Records	100	
Patient Billing and Medical Insurance	160	
Foundations of Medical Office	120	
Business Math	40	
Total Hours	960	

Occupations

Patient Account Representative
Patient Services Representative
Medical Office Assistant
Medical Administrative Assistant

Entry Level Salary Range

\$14.00 - \$16.00 per hour

Licensure/Certification

Administrative Medical Assistant
CTTC
NHA Certified Electronic Health
Record Specialist
NHA Certified Medical
Administrative Assistant

Suggested Entry Level Skills

Keyboarding at 35 words per
minute with 97% accuracy; 10th
grade reading level; Basic math
skills

Clothing Requirement

Follow Canadian Valley Technology Center dress code policy for classroom, lab and clinical area.

Resources

- Medical Terminology Systems
- Kinns Administrative Medical Assistant

Physical Therapy Services

High School Only

The Physical Therapy Services program at CVTech is a one year program designed to prepare students to perform the duties of physical therapy technician. Students will gain knowledge of functional musculoskeletal anatomy, basic evaluation skills, gait training/ambulation/patient transfers, therapeutic modalities, therapeutic functional and sports specific rehabilitation/fitness testing, orthotics/prosthetics, taping/bracing, and patient charting/insurance/billing. They will experience hands-on in class instruction, clinical observations, and perform direct patient care. Students also prepare to earn a physical therapy aide certification from the American Medical Certification Association (AMCA).

Local Program

Physical Therapy Aide, OCAS 9382

Courses	Hours	OCAS
Healthcare Provider CPR	15	
Medical Terminology	45	
Functional Anatomy	60	
Essentials of Physical Therapy	60	
Introduction to Sports Medicine & Therapy Careers	60	
Therapeutic Modalities & Rehabilitations for the Physical Therapy Aide	90	
Sports Med & Rehab Essentials	90	
Physical Therapy Aide Mentorship	60	
Total Hours	480	

Occupations

Physical Therapy Aide
Rehabilitation Technician Aide
Occupational Therapy Aide

Entry Level Salary Range

\$15.00 - \$20.00 per hour

Licensure/Certification

Physical Therapy
Technician/Aide Certification
(PTTC)
AHA BLS Provider, CPR, First
Aid

Suggested Entry Level Skills

9th grade reading level; Basic
math skills

Clothing Requirement

Students must wear black jogger style scrub pants with a CVTech t-shirt. CVTech (or sending high school) sweatshirts and jackets are allowed. No torn, ripped, or stained clothing is allowed. Students must wear healthcare appropriate shoes (athletic/tennis shoes- closed toe that are clean and professional, no Croc type shoes).

Resources

- Sports Medicine Essentials: Core Concepts in Athletic Training
- Physical Therapy Aide
- Introduction to Medical Terminology

The Plumbing program at CVTech is designed to prepare students for entry-level employment as plumbing technicians. The curriculum provides a strong foundation in plumbing fundamentals, including trade safety, proper use of tools and equipment, and the responsibilities associated with working in the construction industry.

This program serves as an introduction to the plumbing trade and may lead to further education and career advancement, including the pursuit of licensure as a Journeyman Plumber. Students also have the opportunity to earn credit toward apprenticeship requirements with the Oklahoma Construction Industries Board, accelerating their path to professional certification. *This is an adult only evening program.*

Local Program

Plumbing Technician, OCAS 9067/9095

Courses	Hours	OCAS
Introduction to Plumbing Tools and Materials	100	
Calculations and Drawings	100	
Plumbing Utilities	100	
Rough-In for Final Phase	360	
Plumbing System Repair and Diagnosis	340	
Total Hours	1000	

Occupations

Commercial or Residential
Plumbing Apprentice
Underground Utilities
Apprentice
Commercial or Residential
Maintenance

Entry Level Salary Range

\$17.50 - \$20.00 per hour

Licensure/Certification

OSHA 10 - General

Suggested Entry Level Skills

10th grade reading level; Basic
math skills; Algebra; Geometry

Clothing Requirement

Personal Protective Equipment (PPE) including safety glasses, closed-toe shoes or boots, and long pants are required in the shop.

Resources

- PHCC Plumbing 101, 201, 301, and 401

The Practical Nursing program at CVTech is designed to prepare adult students for a career as Licensed Practical Nurses (LPNs). Upon successful completion of the program, graduates are eligible to sit for the National Council Licensure Examination for Practical Nurses (NCLEX-PN), the required step for obtaining licensure and entering the workforce as a qualified LPN.

Local Program

Practical Nursing, OCAS 9323

Courses	Hours	OCAS
Medical Terminology	45	
Anatomy & Physiology	120	
Intro to Nursing	40	
Fundamentals of Nursing I	165	
Fundamentals of Nursing II	70	
Pharmacology and Intravenous Therapy Skills	60	
Clinical Level II	167	
Medical Surgical Nursing I	85	
Pediatric Nursing	65	
Clinical Level III	241	
Maternal/Newborn Nursing	65	
Mental Health Nursing	40	
Clinical Level IV	205	
Medical Surgical Nursing II	95	
Total Hours	1463	

Occupations

Licensed Practical Nurse

Entry Level Salary Range

\$12.00 - \$27.00 per hour

Licensure/Certification

Students able to apply for NCLEX examination for Practical Nursing licensure

Entry Level Skills

Minimum scores of 250 in reading and 250 in arithmetic on the Accuplacer exam.

Prerequisite

Must complete a Medical Terminology and Anatomy & Physiology course at an approved post secondary institution prior to being admitted into the Practical Nursing program. Canadian Valley also offers prerequisite courses through our Flex Health program. See program director or counselor for more information on these courses.

Clothing Requirement

Students are required to wear scrubs of any color to class every day. School uniform scrubs (specific color with specific patches) are only required during clinicals and are purchased from the CV Tech bookstore.

Resources

- Human Body in Health & Illness
- Fundamentals of Nursing Care
- Nursing Leadership
- Calculate with Confidence
- All in One Care Planning
- Med-Surg Nursing Concepts and Practice
- CPR – BLS for Healthcare Provider
- CPR Training Mouthpiece
- Introduction to Maternity and Pediatrics
- Mental Health Nursing
- Understanding Pharmacology

Precision Machining Technology

The Precision Machining program at CVTech prepares students for a career in the machining field. Students learn blueprint reading, math, measuring tools, and setup and operation of manual machine tools such as lathes, grinding machines, mills and are introduced to CNC machining during their first two years in the program. Students may return as an adult to learn Advanced CNC machining where they will set up, operate, and write programs for CNC mills and lathes and complete an introduction to CADD.

Local Program: Machining, OCAS 9679/9680

Courses	Hours	OCAS
General Safety	30	
Industrial Print Reading	60	
Precision Measurement	50	
Fundamentals of Manufacturing	190	
Manual Milling I	220	
Manual Lathe I	220	
CNC Machining I	190	
Total Hours	960	

Occupations

Machinist

Entry Level Salary Range
\$20.00 - \$22.00 per hour

Licensure/Certification
ODCTE Competency Tests:
Drill Press Operator
Lathe Operator
CNC Machine Center Operator

Suggested Entry Level Skills
11th grade reading level;
Algebra; Geometry; Trig

Resources
Immerse2Learn
Precision Machining Technology
Turning and Machine Center
Programming and Operation
HAAS training manual

Local Program (Adult Only): Advanced CNC Machining

Courses	Hours	OCAS
CNC Lathe Programming	240	
CNC Mill Programming	240	
CADD / Cam	120	
Total Hours	600	

Prerequisite

Complete the Machinist program or have comparable, documented work experience

Occupations
CNC Machine Operator / Programmer

Entry Level Salary Range
\$22.00 - \$24.00 per hour

Licensure/Certification
ODCTE Competency Tests:
CNC Machine Center Operator

Clothing Requirement

Long pants, short-sleeved shirts, closed-toe shoes with socks, and safety glasses are required.

Pre-Engineering

High School Only

The Pre-Engineering program at CVTech is a college preparatory curriculum designed for sophomores, juniors, and seniors. It integrates advanced mathematics and science with hands-on, real-world applications of engineering principles. Students apply these principles to design, construct, and program a variety of innovative projects. Project-based learning includes robotics, rocketry, circuitry, computer-aided design (CAD), and drone technology. Course placement within the program is determined based on each student's prior coursework completed at their home high school. As a result, individual course schedules may vary.

Local Program			Retention Criteria
Pre-Engineering Academy, OCAS 9862/9871			A student must make a B or higher each semester to progress to the next semester.
Courses	Hours	OCAS	
Sophomore			Credits
Accelerated Algebra II  	120	4412	Many students earn college credit in the AP courses
Accelerated Chemistry  	120	5051	Project Lead the Way college credit hours may be earned
PLTW Introduction to Engineering and Design  	120	8709	
PLTW Principles of Engineering  	120	8710	
Junior			Resources
Accelerated Pre-Calculus  	120	4611	Flamingo Math
AP Physics I  	120	5213	College Physics
PLTW Aerospace Engineering  	120	8715	Mechanics and Electricity and Magnetism Physics for Scientists and Engineers
PLTW Computer Integrated Manufacturing  	120	8712	Algebra 2 Common Core
Senior			TI-Nspire CX calculator
AP Calculus BC  	120	4616	TI-Nspire CX2 CAS calculator
AP Physics C - Mechanics  	120	5216	Chemistry: A Molecular Approach
PLTW Digital Electronics  	120	8711	World of Chemistry
PLTW Engineering Design and Development	120	8716	
Total Hours	1440		Suggested Entry Level Skills / Academic Criteria
			A student who meets pre-ACT/SAT college readiness benchmarks in STEM or math and science and has a grade B or higher in high school math and science courses may be accepted.

Project Connect is an alternative education program designed to help high school students ages 16-19 acquire a marketable skill while earning the credits necessary to receive a high school diploma. The school week includes 15 hours of academic instruction and 15 hours of occupational instruction. During the six hours in the school day, students are in Project Connect for three hours and they are in a tech program for the other three hours.

Local Program

Project Connect

Goals

1. Assist students with gaining the knowledge and understanding of required academic courses with 80% accuracy as presented in individual academic contracts.
2. Practice effective communication and life skills.
3. Provide students with the writing, grammar and math skills necessary to become a successful employee.
4. Provide students with the study skills and critical thinking skills needed to prepare them for higher education and training.
5. Develop character traits that will contribute to success in the workplace and society.

Students must be referred by partner school principals or counselors.

Intake Schedule will be provided to sending schools through the Counseling Department.

Contact the following to make a referral or submit completed applications:

Markus Truelove - PC Principal
405.422.2383
mtruelove@cvtech.edu

Melissa Jonsson - PC Counselor
405.422.2387
melissa.jonsson@cvtech.edu

Diploma Requirements

Students must meet graduation requirements of their partner schools. Through one-on-one counseling, students contract to earn the credits needed for a high school diploma. Credits are transcribed by the partner high school.

Project SEARCH provides employment and educational opportunities for post-secondary technology center students with disabilities. This nine-month, non-paid internship program is designed to prepare students for entry-level employment through training and career development. Emphasis is on employability skills and the desire to work.

The Project SEARCH “classroom” is in a business setting provided by INTEGRIS Hospital. Students’ immersion in the workplace encourages teaching and learning to take place through continuous feedback and the acquisition of work skills. Project SEARCH is made possible through a partnership of INTEGRIS Canadian Valley Hospital in Yukon, Canadian Valley Technology Center Cowan Campus, and a variety of support agencies.

Local Program

Project Search, OCAS 9321

Framework	Hours	OCAS
Rotation	550	
Employability Skills	50	
Total Hours	600	

Possible Course / Rotations

Nursing	Patient Materials
Dietary	Building Maintenance Services
Outpatient Surgery	Environmental Services
Materials/Warehouse	Women’s Center
Admissions	Mail Room
Physical Therapy	Medical Records

Qualifications and Requirements

- One-year successful attendance at career tech or work-study during high school
- Preference given to prior CV Tech students
- Active Department of Rehabilitation Services case file
- Basic math, reading, and communication skills
- Employee Health Screening including a drug screen, two Tuberculosis tests, and any other tests requested by INTEGRIS Employee Health Department

Clothing Requirement

Closed-toe, non-slip shoes are required. Interns will wear washable, properly fitting scrubs that allow for movement and physical activities required by the program. Scrubs will be a designated color and require Project SEARCH and Canadian Valley Technology Center logos. Students must wear a hospital-issued identification badge. If lost or ruined, students are required to pay fifteen dollars (\$15) to replace the badge.

Service Careers - Building and Grounds

The Service Careers Building and Grounds Maintenance program at CVTech provides students with hands-on training in horticulture, landscaping, floral design, and facilities cleaning. Students gain practical experience by working in the on-site greenhouse, maintaining the Service Careers garden, and applying landscaping and floral design techniques in real-world settings. The program places a strong emphasis on developing employability skills, including professionalism, a positive attitude, teamwork, and a strong work ethic—qualities essential for success in the building and grounds maintenance industry.

Local Program

Service Careers - Building and Grounds, OCAS 9071/9076

Courses	Hours	OCAS
Introduction to Service Careers	360	
Groundskeeping and Tool Operation	300	
Facility Care/Basic Grounds Care	120	
Professional Service	180	
Total Hours	960	

Occupations

Greenhouse Assistant
Landscape Assistant
Custodian
Florist Assistant
Home and Garden Store Associate

Entry Level Salary Range

\$8.00 - \$15.00 per hour

Licensure/Certification

Forklift

ODCTE Competency Test:
Facilities Maintenance Tech

Suggested Entry Level Skills

Basic reading and math skills but most important is a willingness to learn, work, and be employable upon completion of this program.

Clothing Requirement

Closed-toe shoes are required for all activities. Long pants are required for custodial and landscape labs. Students should wear old clothes or may keep a set of work clothes in their lockers.

Resources

- Teacher Created and Industry-Based

Service Careers - Hospitality

The Service Careers Hospitality program at CVTech prepares students for entry-level employment in the hospitality and service industries by developing essential skills in customer service, event setup, hotel housekeeping and laundry operations, and office cleaning services. The program also emphasizes effective communication, teamwork, and organizational abilities. A strong focus is placed on the development of employability skills, including a positive attitude, professionalism, and a strong work ethic—qualities highly valued by employers in the hospitality sector.

Local Program

Service Careers - Hospitality, OCAS 9434/9442

Courses	Hours	OCAS
Introduction to Hospitality & Tourism	30	
Sanitation and Cleaning	90	
Customer Service	120	
Lodging Services	240	
Food & Beverage Services	240	
Event Services	120	
Employment Readiness	120	
Total Hours	960	

Occupations

Housekeeper
Event Staff
Breakfast Attendant
Laundry Attendant
Room Service Server
Dining Room Attendant

Categories

- Accommodations
- Transportation
- Food and Beverage
- Attractions

Entry Level Salary Range

\$8.00 - \$18.00 per hour

Licensure/Certification

ServSafe Exams

Suggested Entry Level Skills

Basic reading and math skills but most important is a willingness to learn, work, and be employable upon completion of this program.

Clothing Requirement

Students must wear closed-toe shoes for all activities (no sandals allowed). Students should wear shirts that cover their shoulders (no tank tops allowed). If a hat is worn, the brim must be facing their face.

Resources

- Teacher created and Industry-Based

The Surgical Technology program prepares competent entry-level surgical technologists through education in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Graduates will be equipped to provide high-quality healthcare to a diverse patient population, with consideration for individuals of all ages and cultural backgrounds. Students are encouraged to remain engaged in continuing education to stay current with evolving trends in healthcare. Throughout the program, emphasis is placed on developing professional behavior that aligns with legal standards and the ethical principles outlined in the Association of Surgical Technologists (AST) Code of Ethics.

Local Program

Surgical Technologist (Accredited Program), OCAS 9343

Courses	Hours	OCAS
Medical Terminology	40	
Anatomy and Physiology	120	
Surgical Techniques I	30	
Introduction of Surgical Technology	60	
Basic Sciences of Surgical Technology	50	
Essentials of Surgical Asepsis	120	
Surgical Case Management	120	
Surgical Procedures I	120	
Surgical Technology Practicum I	210	
Surgical Procedures II	120	
Surgical Technology Practicum II	210	
Total Hours	1200	

Occupations

Surgical Technologist

Entry Level Salary Range

\$20.00 - \$25.00 per hour

Licensure/Certification

CST Nationally Certified
Surgical Technologist
TS-C Tech in Surgery - Certified
CPR

Entry Level Skills

9th grade reading level; Must score 250 in reading and 238 in arithmetic on Accuplacer to apply.

Clothing Requirement

The Surgical Technology Program dress code requires students to wear black scrubs every day. See classroom rules and ST Policy and Procedure book for any further clothing requirements.

Prerequisite:

Students must have already completed Medical Terminology and Anatomy & Physiology. A transcript with grade must be submitted as documentation. Canadian Valley also offers prerequisite courses through our Flex Health program. See program director or counselor for more information on these courses.

Resources

- Surgical Technology for the Surgical Technologist: A Positive Care Approach, 6th Ed. with MindTap
- Surgical Case Counts
- Practical Pharmacology for the Surgical Technologist 1st Ed.
- Surgical Instrumentation, 3rd Ed. with MindTap

The Teacher Prep program at CVTech is designed to give high school students an early start toward a career in education, whether as a future teacher or in support roles such as a paraprofessional. This one-year program introduces students to a variety of teaching careers and provides valuable hands-on experience through internships in local school classrooms. Students have the opportunity to earn certification as a teacher's aide and build a strong foundation for entry into a college-level teacher education program. The curriculum emphasizes both practical experience and career exploration within the field of education.

Local Program

Teacher Prep, OCAS 9241

Courses	Hours	OCAS
The History of Education	30	
Human Growth and Development	90	
Instructional Methods	150	
Diverse Learners	90	
Internship	60	
Educator of Tomorrow	60	
Total Hours	480	

Occupations

Paraprofessional
Teaching Assistant

Requires additional education
or certifications:
Teacher

Entry Level Salary Range

\$11.00 - \$15.00 per hour

Licensure/Certification

Praxis ParaPathways

Suggested Entry Level Skills

10th grade reading level; Basic
math skills

Prior Learning Assessment:

Students that complete this program may receive credit from SWOSU for Foundations of Education and The Art & Science of Teaching.

Resources

- Teach Oklahoma
- Teaching Textbook, 4th edition
- Teaching Workbook
- First Days of Teaching
- The Classroom Management Book

Underground Utility Locating Technician

High School
Seniors Only

The Underground Utility Locating Technician program at CVTech prepares students with the skills required to be a line locating technician. Students will be introduced to utility types, installation methods and the theory of electromagnetic locating and will apply their knowledge of safe work techniques and industry best practices. Students will learn how locating underground utilities is necessary for the excavation and construction industry not only to keep excavators and homeowners safe while digging but also to prevent the disruption of vital utility services such as electric, gas, phone, cable, and fiber optics.

Local Program

Underground Utility Locating Technician, OCAS 9737

Courses	Hours	OCAS
Industry Orientation	30	
Theory of Electromagnetic Locating	50	
Equipment Orientation	50	
Cable TV Facilities	40	
Telephone Facilities	40	
Electric Facilities	50	
Natural Gas Facilities	50	
Fiber Optic Facilities	50	
Capstone - Work Based Learning	120	
Total Hours	480	

Occupations

Underground Utility Locating Technician

Entry Level Salary Range

\$20.00 per hour

Licensure/Certification

OSHA 10 - General Industry
Basic Life Support (CPR)

Suggested Entry Level Skills

10th grade reading level; Basic math skills; Algebra; Geometry

Requirements:

- Must have a valid driver's license and a good driving record
- Must be able to pass a DOT-level drug screening.

Clothing Requirement

Personal Protective Equipment (PPE) including safety glasses and closed-toe shoes

Resources

- USIC: U.S. Infrastructure Corporation

Vision Care Assistant

The Vision Care Assistant program at CVTech prepares students for entry-level positions in the eye care field through comprehensive training in diagnostic testing, clinical assistance, and administrative support. Students learn to perform and document a variety of diagnostic procedures under physician supervision, record patient information and medical history using electronic medical records, and maintain ophthalmic instruments. The program also emphasizes supporting physicians during patient appointments, delivering exceptional customer service, and providing patient care. In addition, students gain skills in patient instruction and education regarding the proper care and use of corrective lenses.

Local Program

Vision Care Assistant, OCAS 9346

Courses	Hours	OCAS
Vision Care Introduction	30	
Optics	120	
Ocular Anatomy and Physiology	80	
Ocular Medical Terminology	40	
Photography and Imaging	80	
Ocular Disease and Ocular Pharmacology	60	
Clinical Skills	70	
Total Hours	480	

Occupations

Ophthalmic Assistant
Optometric Assistant
Ophthalmic Photographer

Entry Level Salary Range

\$16 - \$19 per hour

Licensure/Certification

AHA BLS Provider / CPR
Optometric Assistant

Suggested Entry Level Skills

10th grade reading level; Basic Algebra

Clothing Requirement

Students must wear scrubs every day (gray); you may wear a CV Tech t-shirt instead of a scrub top in class but a full set of scrubs is required for clinicals. A sweatshirt (no hoodies) or jacket is allowed with a CV Tech short sleeve t-shirt under. Students must wear healthcare appropriate shoes (athletic, closed toe shoes that are clean and professional, no Croc type shoes). Long fingernails can interfere with completing the skills of a technician, please keep nails to a modest length; consider no more than a quarter of an inch beyond your fingertip.

Resources

- The Ophthalmic Assistant
- Anatomy & Physiology Overview

Welding

The Welding program at CVTech prepares students for careers in the welding and metal fabrication industry. The program offers hands-on training in a variety of welding processes, including Shielded Metal Arc Welding (SMAW/Stick), Gas Metal Arc Welding (GMAW/MIG), Flux Cored Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW/TIG). Students also receive instruction in oxy-fuel cutting and weld shop blueprint reading, equipping them with the foundational skills needed for success in industrial, construction, and manufacturing settings. *The evening program is for adults only.*

Local Program:

Pipe/Structural Welder/Fitter, OCAS 9707/9708

Courses	Hours	OCAS
Fundamentals of Metal Fabrication	240	
Shielded Metal Arc Welding	120	
Advanced Shielded Metal Arc Welding	120	
Gas Tungsten Arc Welding	120	
GMAW <i>option 1</i> FCAW <i>option 2</i>	120	
Advanced Metal Cutting and Fabrication	240	
Total Hours	960	

Occupations

Welder
Fabricator
Fitter
Inspector
Retail Sales

Entry Level Salary Range

\$15.00 - \$30.00 per hour

Licensure/Certification

Certified Welder

Suggested Entry Level Skills

9th grade reading level; Basic math skills

Clothing Requirement

Steel-toe high-top boots, welding shirt or jacket, safety glasses, welding cap and welding gloves. Adult students must purchase a welding hood.

Resources

- Welding Technology Fundamentals
- Hobart Institute of Welding Technology Step-by-Step Books
- Miller Open Book Online



Appendix

4.28 in.

0.67 in.

Academic Credits

Secondary students who complete one of the following CareerTech programs at CVTech will have gained the set of academic credits below.

Program	OK Promise Credit with OCAS Code
3D Design and Modeling	• 8905 Fundamentals of Computer Aided Drafting and Design • 8904 Engineering Computer Aided Drafting and Design
Accounting and Business Management	• 8169 Fundamentals of Technology • 8103 Fundamentals of Administrative Technologies • 8105 Office Administration & Management • 8104 Administrative Technologies II
AI and Computer Programming	• 8153 Fundamental of Web Design • 8871 Python • 8141 SQL and PL/SQL Database Applications • 8121 Network/Client Operating Systems
Aviation Maintenance Technician	• 8886 Applied Sciences of Aircraft Maintenance • 8887 Aviation Electricity
Biomedical Sciences	• 8706 Principles of Biomedical Sciences • 8708 Medical Interventions • 8719 Biomedical Innovation • 4412 Accelerated Algebra II • 5051 Accelerated Chemistry • 4614 AP Pre-Calculus • 5055 AP Chemistry • 5333 Anatomy and Physiology • 4760 AP Statistics • 5035 AP Biology
Computer Information Systems	• 8136 Computer Repair & Troubleshooting I • 8137 Computer Repair & Troubleshooting II • 8125 Routing & Switching I • 8126 Routing & Switching II

Academic Credits

Program	OK Promise Credit with OCAS Code
Cybersecurity	• 8121 Network/Client Operating Systems • 8134 Cyber Forensics • 8186 Regulatory Compliance & Auditing
Digital Media Technology	• 8169 Fundamentals of Technology • 8149 Desktop Publishing and Graphic Design • 8150 Multimedia & Image Management Techniques
Graphic Design	• 8149 Desktop Publishing and Graphic Design • 8150 Multimedia & Image Management Techniques
Health Careers CNA	• 5333 Anatomy and Physiology
Medical Assistant	• 5333 Anatomy and Physiology
Medical Billing and Coding - Patient Account Specialist	• 8169 Fundamentals of Technology • 8103 Fundamentals of Administrative Technologies • 8105 Office Administration and Management
Pre-Engineering	• 8709 Introduction to Engineering Design • 8710 Principles of Engineering • 8715 Aerospace Engineering • 8712 Computer Integrated Manufacturing • 8711 Digital Electronics • 8716 Engineering Design and Development • 4412 Accelerated Algebra II • 5051 Accelerated Chemistry • 4611 Accelerated Pre-Calculus • 5213 AP Physics I • 4616 AP Calculus BC • 5216 AP Physics C - Mechanics

Adult Enrollment Steps

How do I apply?

Step 1: Submit your testing waiver or complete placement testing.

Do I qualify for a testing waiver? The following can be used as a testing waiver for enrollment. Test scores are valid for 5 years from the test date.

- ACT: Composite of 19 or higher
- SAT: Composite of 980 or higher
- Pass at least 12 hours of level one college courses or Associate Degree (within the last 5 years). Students must be in good standing with the previous school.
- Bachelor or Master's Degree (can be older than 5 years, no time restriction)
- Prior Assessment
 - Accuplacer Next Gen scores: 235 in Reading; 238 in Arithmetic
 - Workkeys: 3 in all areas
 - ASVAB: 65 or higher

If you do not meet any of the above criteria, schedule the Accuplacer Assessment

- Call: El Reno Campus (405) 422-2318; Cowan Campus (405) 422-2382. The first test is free; retest or no show will result in a fee.
- Cut scores: Reading 235 / Arithmetic 238
 - Exceptions: Practical Nursing program: Reading 250; Arithmetic 250
Surgical Technology: Reading 250; 238 Arithmetic
Aviation Maintenance Technician: 245 Reading; 245 QRAS
- If accommodations are needed: Prior to scheduling your assessment,
Call: El Reno Campus (405) 422-2284 ; Cowan Campus (405) 345-3376

Once you submit your testing waiver or complete your accuplacer testing, you will meet with the appropriate program counselor. At this point, you will be enrolled, placed on a waiting list, or offered remediation.

Step 2: Payment options

- Students may complete the FAFSA application online:
<https://studentaid.gov> Use school code: 009965
- Determine if you qualify for the Next Step Scholarship.
 - Are you 23 years of age or younger?
 - Do you have a high school diploma or GED?
 - Do you live in one of our partner school districts?
 - All adult students must complete the FAFSA in order to be considered for the Next Step Tuition waiver from CVTech.
- Self pay or other scholarships awarded.