CWTECH



Chickasha Campus 1401 W Michigan Avenue Chickasha, Oklahoma 73018 405.224.7220

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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.



CV Tech Information

Schedule

We offer two daytime class sessions:

AM 8:00 - 11:00

PM 12:10 - 3:00

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 for up to four industry or trade-specific certification examinations and licenses related to the student's approved program of study, not to exceed \$350.00 per student, per program. To receive this benefit, a student must be:

- taking their first attempt; does not count for retakes
- currently enrolled or recently completed (within the current year)
- 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 3 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

 π = Math Credit

All amarked courses qualify for OHLAP credit. OCAS codes are listed on the program syllabus. 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://www.okcareertech.org/educators/career-and-academic-connections/academics

College Credit

Community colleges and universities that offer technical college certificates may award college credit for courses taught at technology centers through Prior Learning Assessments (PLA's). See current Statewide PLA Technical Inventory at

https://www.okhighered.org/agreements/docs/PLA-matrix.pdf

For more information contact a CV Tech counselor. (see next page)

Contact Information

	Program Administrators
	Ronnie Bogle (405) 222-7527
	Wendi Williams (405) 222-7524
Chickasha Campus (405) 224-7220	Counselors
1401 W Michigan Ave	Traci McNeff (405) 222-7553
Chickasha, OK 73018	Special Needs Coordinator / Counselor
	Denise Burns (405) 222-7557
	Outreach and Recruitment Specialist
	Breann Dowdle (405) 222-7503

Program Counselor and Administrator

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

Program	Campus	Counselor	Administrator
Automotive Collision Technology	Chickasha	McNeff / Burns	Ronnie Bogle
Automotive Service Technology	Chickasha	McNeff / Burns	Wendi Williams
Business and Medical Administration	Chickasha	McNeff / Burns	Wendi Williams
Computer Aided Drafting & Design	Chickasha	McNeff / Burns	Wendi Williams
Computer Information Systems	Chickasha	McNeff / Burns	Ronnie Bogle
Digital Media Technology	Chickasha	McNeff / Burns	Ronnie Bogle
Early Care and Education	Chickasha	McNeff / Burns	Ronnie Bogle
Graphic Design	Chickasha	McNeff / Burns	Ronnie Bogle
Health Careers	Chickasha	McNeff / Burns	Ronnie Bogle
Heating, Ventilation, Air Conditioning & Refrigeration	Chickasha	McNeff / Burns	Wendi Williams
Math	Chickasha	McNeff / Burns	Wendi Williams
Practical Nursing (Adults)	Chickasha	McNeff / Burns	Laurie Jones
Pre-Engineering	Chickasha	McNeff / Burns	Wendi Williams
Precision Machining Technology	Chickasha	McNeff / Burns	Ronnie Bogle
Service Careers	Chickasha	McNeff / Burns	Wendi Williams
Surgical Technology	Chickasha	McNeff / Burns	Ronnie Bogle
Welding	Chickasha	McNeff / Burns	Wendi Williams

Automotive Collision Technology

The Automotive Collision Technology program at CV Tech is an I-CAR affiliate program. Students will learn auto detailing, nonstructural collision repair, refinishing, structural collision repair, shop management, and customer service.

Local Program

Combination Collision Repair Technician, OCAS 9904/9905

Combination Collision Repair Technician, OCAS 99	904/990:)
Courses	Hours	OCAS
Shop Safety / OSHA 10 Automotive Safety	15	
Introduction to Collision Repair	75	
Nonstructural: Metal Straightening, Body Fillers, Plastic Repair	155	
Nonstructural: Panel Repair / Replace Trim, Hardware, Glass	75	
Welding: MIG (GMAW), Resistance (STRSW), Aluminum Cutting; Gas, Plastic	155	
Refinish: Surface Preparation and Priming	100	
Auto Detailing: Detail, Wetsanding, Buffing, Cleaning	45	
Structural: Unibody/Frame Analysis and Repair, Computerized Measuring, Tram Gauge	75	
Structural: Repair/Replace Inner Structure Unibody	75	
Supplemental Restraint System	15	
Collision Damage Analysis: Computer Estimating	30	
Refinish: Application, Blending, Color Adjustment	80	
Mechanical Repair / Collision Related	40	
Workforce Staging	25	
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 - \$18.00 per hour

Licensure/Certification

I-Car/PDP-EE Pro Level 1
I-CAR Platinum Refinishing
I-CAR Platinum Nonstructural

Student ASE:

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

Resources

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

Suggested Entry Level Skills

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

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 CV Tech is a NATEF certified program that focuses on diagnosing and repairing passenger cars and light trucks, including current computer controlled models. Students learn about the following systems: brakes, steering and suspension, electrical, heating and air-conditioning, automatic transmission, manual transmission and drivetrain, and engine repair and performance.

Local Program			
Automotive Technician (NATEF Aligned), OCAS 9906/9907		Occupations	
Courses Fundamentals of Auto Service	Hours 45	OCAS	Automotive Technician Automotive Service Advisor Maintenance/Light Repair Tech Parts Counter Associate
Automotive Brakes	60		Entry Level Salary Range \$9.00 - \$25.00 per hour
Automotive Heating and Air-Conditioning	45		Licensure/Certification Student ASE:
Automotive Electrical/Electronics	240		Brakes Suspension and Steering
Automotive Steering and Suspension	135		Electrical and Electronic Systems Heating and Air Conditioning
Automotive Manual DriveTrain and Axle Introduction 1	15		Maintenance and Light Repair Engine Performance Engine Repair
Automotive Automatic Transmission	80		Manual DriveTrain and Axles Automatic Transmission/Transaxle
Automotive Engine Repair	105		Automobile Service Technology
Automotive Engine Performance	175		Resources CDX Online Fundamentals of Automotive Technology
Workforce Staging	30		AllData website ProDemand website
TOTAL HOURS	930		

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).





The Business and Medical Administration program at CV Tech 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, entrepreneurship and event planning, or medical office assistant. Every student begins with a focus on professional business communication, office procedures, and advanced Microsoft Office software programs including word processing, spreadsheet, database, and presentation software. Students then select their area of interest.

Local Program

Accounting Clerk / Administrative Assistant, OCAS 9202/9226

Option 1 Accounting Clerk

Option 2 Entrepreneurship and Event Planning

Option 3 Medical Office Assistant

Courses	Hours	OCAS
Fundamentals of Administrative Technologies 32	120	8103
Office Administration & Management 32 =	120	8105
Foundations of Business	120	
Accounting I Option 1 Accounting Basics Option 2 and 3	120	
Accounting II Option 1 Introduction to Entrepreneurship, Hospitality, & Tourism Option 2 Foundations of Medical Office Option 3	120	
Payroll Accounting Option 1 Business Development and Management Option 2 Patient Billing Option 3	120	
Integrated Projects <i>Option 1</i> Digital Marketing <i>Option 2</i> Medical Terminology <i>Option 3</i>	60	
Computerized Accounting Option 1	120	8109
Employment Essentials Capstone	60	
TOTAL HOURS	960	

Occupations

Administrative Assistant
Receptionist
Financial Clerk
Accounts Payable/Receivable
Clerk
Payroll Clerk
Medical Office Assistant
Event Planning Assistant
Entrepreneur

Entry Level Salary Range

\$10.00 - \$23.00 per hour

Licensure/Certification

Microsoft Office Specialist

Resources

Microsoft Office GCFLearnFree.org Foundations of Business The Office: Procedures and Technology Records Management The Office Specialist **Customer Service** Accounting General Journal QuickBooks Pro Payroll Accounting Administrative & Clinical Competencies Insurance Handbook for the Medical Office **Exploring Electronic Health** Records

Suggested Entry Level Skills

10th grade reading level; Basic math skills



Computer Aided Drafting and Design

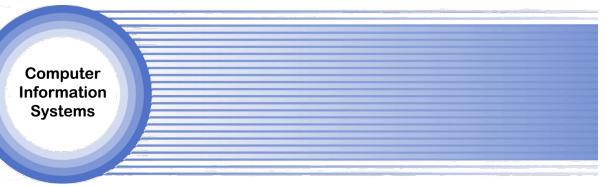
The CADD program at CV Tech emphasizes communication design through 3D modeling, texturing, animating, rigging, and game design. Students gain introductory skills in traditional design software (AutoCAD, Revit, Civil 3D, Solidworks) to prepare for skills and techniques of emerging technologies (advanced 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			
CAD Drafter, OCAS 9054/9084			Occupations
Courses	Hours	OCAS	CAD Drafter Designer 2D Drafter Designer
Fundamentals of Computer Aided Drafting and Design 🖘 🖳	120	8905	3D Drafter Designer
Engineering Computer Aided Drafting and Design 🔜 🖳	120	8904	
Principles of CAD Design	145		Entry Level Salary Range \$15.00 - \$26.00 per hou
Manufacturing Computer Aided Drafting and Design	120		
Advanced Presentation Graphics Animation	105		Licensure/Certification AutoDesk-AutoCAD AutoDesk-Revit
2D CAD Mech / Arc	120		AutoDesk-Civil 3D Solidworks
CAD Civil Introduction	60		
CAD Piping Introduction	60		Resources
Drawing & Document Management	45		Solid Professor
Material and Equipment Specifications	35		
Workforce Staging	30		
TOTAL HOURS	960		

Suggested Entry Level Skills

9th grade reading level; Basic Math





This local program prepares students to repair, service and troubleshoot personal computers and computer-related equipment and to install and configure operating systems and application software. Students also learn to install, configure and support an organization's local area network (LAN). Students in this program gain the technical skills required for the CompTIA ITF+, CompTIA A+, and the CompTIA Network+ industry certifications.

Local Program Network PC Support Technician, OCAS 9542/9543			Occupations
Network PC Support Technician, OCAS 9542/9545			Help Desk Support
Courses	Hours	OCAS	Desktop Support Analyst
Computer Densir and Traublashasting L 37	240	8136	Entry Level Salary Range \$10.00 - \$20.00 per hour
Computer Repair and Troubleshooting I 🔼	240	0130	Licensure/Certification All students: TestOut PC Pro
Computer Repair and Troubleshooting II 🖘 🖳	240	8137	CompTIA A+ CompTIA ITF+ CompTIA Network+
Routing and Switching I	240		Optional: CompTIA A+ CompTIA Network+ CompTIA Security+
Routing and Switching II	120	8125	CompTIA Security CompTIA Linux+ Microsoft Certified Professional
Career Major Capstone	120		Resources LabSIM TestOut PC Pro Total Seminars CompTIA A+ Video Lectures Total Seminars CompTIA Network+ Video Lectures CBT Nuggets Cisco CCNA
TOTAL HOURS	960		200-301 Video Lectures uCertify Cisco 200-301 Simulator Cisco Packet Tracer

Suggested Entry Level Skills

9th grade reading level; Basic math skills





The Digital Media Technology program at CV Tech prepares students for video production and digital communication. Students will create various media pieces using the iMac computer lab and a variety of industry-level equipment. All Students will focus on mastering Adobe products – Premiere Pro, After Effects, Photoshop, InDesign, and Illustrator – as well as online digital marketing through social media. Upon completion of the program, all students will have an opportunity to be certified in up to two Adobe programs.

programs.				
Local Program				
Marketing Communications Associate, 97	83/9784			Occupations Production Assistant
Courses		Hours	OCAS	Digital Media Specialist Photographer
Fundamentals of Technology 🔼		120	8169	Videographer Social Media Management
Advertising Strategies		120		Marketing Assistant
Business and Marketing Communications		60		\$12.00 - \$16.00 per hour
Customer Service		60		Licensure/Certification Adobe Certified
Employment Essentials		60		Associate: InDesign
Marketing Fundamentals		120		Photoshop Premiere Pro
Desktop Publishing and Graphic Design	T3 🖳	120	8149	FAA Certification: Recreational Flyer Commercial
Marketing Research		120		Unmanned Aerial Systems (UAS)
Product and Service Sales		60		Students will create a professional portfolio
Public Relations Marketing		60		or demo reel
Capstone		60		Resources Gmetrix The Photographer's Toolkit
	TOTAL HOURS	960		ICEV Better Photo Basics

Suggested Entry Level Skills

8th grade reading and math levels



Early Care and Education

The Early Care and Education program at CV Tech is designed to prepare students for employment in child care occupations. The National Accreditation Commission for Early Care and Education Programs (NAC) accredits the on-site Child Development Center, where students will experience rotations with children six weeks through four years of age. Students in this program will begin their portfolio to earn The Child Development Associate (CDA) Credential.

Local Program Early Care Education, OCAS 9480/9489			Occupations Early Care & Education Master Teacher
Courses	Hours	OCAS	Entry Level Salary Range
Planning a Safe, Healthy Learning Environment	120		\$8.00 - \$18.00 per hour
Advancing Children's Physical and Intellectual Development	120		Licensure/Certification CECPD Certifications: Entry Level Child Care Training Sleep Safe Early Learning Guidelines
Supporting Children's Social and Emotional Development	120		American Heart Association CPR/First Aid
Building Productive Relationships with Families	120		ODCTE Competency Tests: Teacher Assistant Master Teacher Pathway to Your National Credential
Managing an Effective Program	120		After completing this program,
Maintaining a Commitment to Professionalism	120		students who complete the CDA process while working at a child development center may apply for their National Credential. Some students
Observing and Recording Children's Behavior	120		are able to apply for CDA credential after this program.
Understanding Principles of Child Development and Learning	120		Resources Working with Young Children The Child Development Associate National
TOTAL HOURS	960		Credentialing Program and CDA Competency Standards Child Development

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.





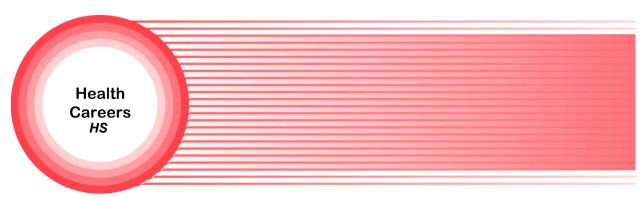
The Graphic Design program prepares you to develop, design and produce a wide range of business marketing for customers. You will learn to create logos, advertisements, vinyl decals, promotional posters and product packaging as well as sublimation. Students will learn Adobe design software (InDesign, Illustrator, and Photoshop) and other support software. They will create and edit graphics and documents using design principles that include composition, color, layout, illustration, typography, and more. As the course progresses, you will produce a portfolio that exhibits your creativity, capabilities, and vision to prospective employers and colleges.

Local Program			
Graphic Designer, OCAS 9133/9144			Occupations
Courses	Hours	OCAS	Graphic Artist Print Shop Associate
Introduction to Graphic Design	60		Production Assistant Sublimation Technician
Desktop Publishing and Graphic Design 🔼	120	8149	
			Entry Level Salary Range \$12.00 - \$18.00 per hour
Multimedia & Image Management Techniques 322	120	8150	•
Graphic Design Principles	90		Licensure/Certification
			Adobe Certified Associate:
Graphic Design Production I	90		InDesign Illustrator
Advanced Adobe Suite for Graphic Design	180		Photoshop Students will create a
			professional portfolio
Graphic Design Production II	120		
Employment Readiness	60		Resources Advertising and Design
			Creative Workshop GO: A Kidd's Guide to
Capstone	120		Graphic Design ACA Test Prep Online
TOTAL HOURS	960		The Print Handbook Gmetrix

Suggested Entry Level Skills

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





The Health Careers program at CV Tech prepares students through training in core medical knowledge, anatomy, physiology, medical terminology, first aid/CPR, communication pertaining to the health sector, and nursing assistant skills. All first year students will complete Anatomy, Physiology, and MedTerm and begin certified nursing assistant (LTCA) training; second year students will complete LTCA training and learn EKG Technician and Phlebotomy. Those who decide not to pursue patient care may transfer to the Accounting and Business Education program to learn Medical Office skills so they may pursue working on the administrative side of a hospital or doctor's office.

Local Program • (High School Only Program) Nursing Services - CNA, OCAS 9301/9331			Occupations Certified Nursing Assistant
Courses	Hours	OCAS	Advanced Unlicensed Assistant Home Health Aide
Anatomy 🎿 🚣	60	5333	
Physiology 🎿 🚣	60	5220	Entry Level Salary Range \$13.00 - \$16.00 per hour
Medical Terminology	60		
Healthcare Provider CPR and First Aid	9		Licensure/Certification AHA BLS Provider, CPR, First Aid
Long Term Care Aid includes National Health Science Standards (Core) and a minimum of 16 clinical hours in a long term care facility or setting	275		Certified Nursing Assistant (LTCA) Home Health Aide NCCT ECG Technician NCET NCCT Phlebotomy Technician NCPT
Home Health Care Nursing Assistant	16		
EKG Technician	120		Resources Dean Vaughn Medical Terminology Body Structures and Functions Mosby's for Long Term Care
Phlebotomy	120		Nursing Assistant Being a Homemaker Home Health Aide
TOTAL HOURS	720		

Suggested Entry Level Skills

10th grade reading level; Basic math skills; Algebra

Clothing Requirement

Students must have one full set of scrubs (NAVY only); may wear scrub top and bottom or HOSA or CV Tech shirt instead of a scrub top; closed toe shoes (clean and professional); may wear a sweatshirt or jacket.



Heating, Ventilation, Air Conditioning, & Refrigeration

The Heating, Ventilation, Air Conditioning, and Refrigeration program at CV Tech is an introduction into Residential and Light Commercial program. Students learn the fundamentals of safety, mechanics, refrigeration, electricity for HVACR, residential and light commercial air conditioning, domestic and commercial refrigeration, and sheet metal. Students will take the OSHA-10 Certification and the State competency exams.

Local Program Residential HVAC Technician, OCAS 9059/9080 Courses Hours 100 Air Conditioning Systems 45 Air Handling Electricity for HVAC/R 60 30 **Heat Pumps Heating Systems** 90 HVAC/R Codes, Regulations, & Standards 30 **HVAC/R Controls** 45 **HVAC/R** Preventive Maintenance 15 30 **HVAC/R Solid State Electronics** HVAC/R System Servicing Installation & Start-Up 120 HVAC/R System Servicing & Troubleshooting - Residential 90 Indoor Air Quality 15 Introduction to HVACR: Safety, Tools, & Equipment 30 15 Load Calculations 45 Piping & Piping Practices Principles of Thermodynamics & Heat Transfer 60 Professional Service 15 Refrigerant Recovery 15 15 Refrigerant Retrofits Refrigerant System Components 90 Refrigerants & Lubricants 15 30 Workforce Staging **TOTAL HOURS 1000**

Occupations

Apprentice HVAC Technician Apprentice HVAC Installer Sheet Metal Fabrication Apprenticeship

Entry Level Salary Range \$12.00 - \$18.00 per hour After obtaining a Journeyman's License, employees may earn \$20.00/hour or more.

Licensure/Certification EPA Certification OSHA 10

FlashShield Certification
Two years of experience
toward the 3-years required
for a Journeyman License
Advanced placement with
Sheet Metal Union

Resources

Modern Refrigeration and Air Conditioning 21st Ed. International Mechanical Code International Fuel Gas Code

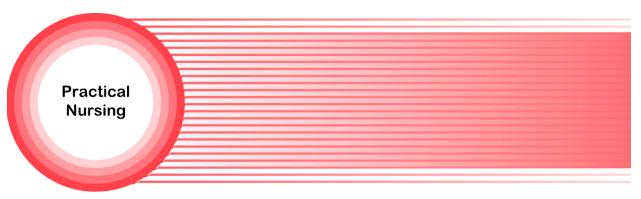
Suggested Entry Level Skills

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

Clothing Requirement

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





The Practical Nursing program at CV Tech prepares adult students to become a Licensed Practical Nurse. Graduates are eligible to take the NCLEX examination for Practical Nursing licensure after successful completion of the Practical Nursing program.

- Land Completion of the Capacitation of Programm		
Local Program		
Practical Nursing, OCAS 9323		Occupations
		Licensed Practical Nurse
Courses	Hours	Licensed i ractical ivuise
Medical Terminology	45	Entry Level Salary Range \$12.00 - \$27.00 per hour
Anatomy	60	Licensure/Certification
Physiology	60	Students able to apply for NCLEX examination for
Nursing Concepts	40	Practical Nursing licensure
Fundamentals of Nursing I	165	Resources
Fundamentals of Nursing II	70	Medical Terminology 350 (2nd edition)
Pharmacology and Intravenous Therapy Skills	60	Human Body in Health & Illness (7th edition)
Clinical II - Medical Surgical Nursing	193	Fundamentals of Nursing Care
Medical Surgical Nursing I	85	Nursing Leadership Calculate with Confidence
Pediatric Nursing	65	All in One Care Planning Med-Surg Nursing
Clinical III - Medical Surgical Nursing	276	Concepts and Practice CPR – BLS for
Maternal/Newborn Nursing	65	Healthcare Provider CPR Training Mouthpiece
Mental Health Nursing	40	Introduction to Maternity and Pediatrics
Medical Surgical Nursing II	95	Mental Health Nursing Understanding
Clinical IV - Material/Newborn, Pediatric, and Mental Health	221	Pharmacology
TOTAL HOURS	1540	

Suggested Entry Level Skills

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

Clothing Requirement

Students are required to wear scrubs of any color to class every day. Scrub tops, tshirts, or sweatshirts can be worn with scrub pants. School uniform scrubs (specific color with specific patches) are only required during clinicals and are purchased from the CV Tech bookstore.



Precision Machining Technology

The Manufacturing and Machining program at CV Tech 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 during their first year and CNC machining in the second year where they will set up, operate, and write programs for CNC mills and lathes.

Local Program		
Precision Machinist, OCAS 9679/968		
Courses	Hours	OCAS
Orientation to Machining	30	
Print Reading for Machining	45	
Fundamentals of Manufacturing	45	
Machine Tool Theory	45	
Metal Preparation for Processing	45	
Precision Measurement	45	
Precision Grinding	30	
Engine Lathe Operations	135	
Drill Press Operations	75	
Milling Operations	135	
Computer Numerical Control Operations	60	
Basic CNC Mill Operations	60	
CNC Mill Programming	60	
Basic CNC Lathe Operations	60	
CNC Lathe Programming	60	
Workforce Staging	30	

Occupations	
Machinist	
CNC Operator	
-	

Entry Level Salary Range \$13.00 - \$25.00 per hour

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

Resources

Immerse2Learn
Precision Machining Technology
Machining Center Programming and Operation
Turning Center Programming and Operation
HASS operator and training manual
Cam Instructor

Suggested Entry Level Skills

11th grade reading level; Basics of Algebra; Geometry; Trigonometry

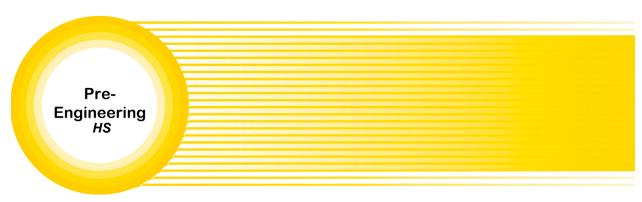
TOTAL HOURS

Clothing Requirement

Long pants (jeans or work pants), short-sleeved shirts, closed-toe shoes with socks, and safety glasses are required.

960





The Pre-Engineering program at CV Tech is a college preparatory program for sophomores, juniors, and seniors that combines advanced math and science with hands-on, real-world application of engineering principles. Design a city, program a robot, and do other projects while learning engineering concepts. Students will be enrolled in the courses below based on courses completed at their high school prior to entering the Pre-Engineering program. *Local Program: Pre-Engineering Academy, OCAS 9862/9871*

Courses for Sophomore Entry				
Sophomore (First year)	Senior (Third Year)			
Accelerated Algebra II 3 π (OCAS 4412)	College Algebra* ₹3 π (OCAS 4413)	AP Calculus AB 🖘 π (OCAS 4615)		
Accelerated Physics I 🌂 🕹 (OCAS 5211)	Trigonometry* ₹३π (OCAS 4750)	AP Physics C - Mechanics 🌂 🕹 (OCAS 5216)		
Intro to Engineering Design 🖘 🖳 (OCAS 8709) **	Aerospace Engineering ₹ 3 ♣ (OCAS 8715)	Digital Electronics ₹ ₹ ₹ ₹ (OCAS 8711)		
	Principles of Engineering 32 (OCAS 8710)	Engineering Design and Development (OCAS 8716)		

Courses for Junior Entry (Calculus Track – Must have already taken Algebra II)				
Junior (First Year) Senior (Second Year)				
College Algebra* ₹3 π (OCAS 4413)	AP Calculus AB 🔼 (OCAS 4615)			
Trigonometry* ₹३π (OCAS 4750)	AP Physics C - Mechanics ₹3 ♣ (OCAS 5216)			
Intro to Engineering and Design 飞ュ♀ (OCAS 8709) **	Aerospace Engineering ₹ 3 ♣ (OCAS 8715)			
Principles of Engineering (OCAS 8710) Engineering Design and Development (OCAS 8716)				

Courses for Junior Entry (Non-Calculus Track)				
Junior (First Year) Senior (Second Year)				
Algebra 2 飞流 (OCAS 4412)	College Algebra* ₹37 (OCAS 4413)			
Intro to Engineering and Design 🔼 (OCAS 8709) **	Trigonometry* ₹3 π (OCAS 4750)			
Principles of Engineering (OCAS 8710) Aerospace Engineering (OCAS 8710) Or Digital Electronics (OCAS 8710)				
	Engineering Design and Development (OCAS 8716)			

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.





The Service Careers Building and Grounds Maintenance program at CV Tech develops skills in horticulture, custodial skills, landscaping, and basic auto detailing. Students gain hands-on experience as they work in the greenhouse, create and maintain the service careers garden, and practice with landscaping and custodial equipment such as the zero turn mower and floor buffer. There is an emphasis in this program on the development of employability skills, positive attitudes, and work ethic.

Building and Grounds Mainto	Occupations Greenhouse Worker Customer Service			
Courses	Hours	Courses	Hours	Representative
Safety 1	15	Introduction to Electrical Safety and Electricity	15	Landscape Helper Custodian Auto Detailer
Construction Math	15	Construction Core	120	
Landscaping Design Process	60	Floor Care Equipment	30	Entry Level Salary Range
Landscaping Turf Management	120	Installing Fixtures, Valves, Faucets, & Water Heaters	45	\$8.00 - \$18.00 per hou
Landscape Grounds Keeping	120	Introduction to Carpentry	30	Licensure/Certification N/A
Service Careers Engine Operations	15	Introduction to Cleaning Chemicals	15	IVA
Service Careers Engine Systems	75	Introduction to Plumbing	30	Resources N/A
Working in the Green Environment	15	Introduction to Rest Room Maintenance	15	
Principles of Horticulture	30	Introduction to Welding in Construction	30	
Facilities Grounds Keeper	30	Service Careers Life Skills	30	
Introduction to Drywall/Drywall Basics	15	Workforce Staging	30	
		TOTAL HOUR	900	

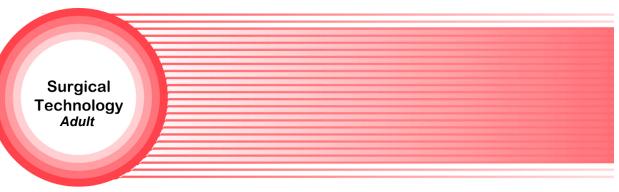
Suggested Entry Level Skills

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.





The Surgical Technology program at CV Tech prepares students to provide quality patient care before, during and after surgery as a critical part of the surgical team. Students learn to prepare operating rooms for surgery; sterilize and supply equipment; prepare patients for surgery, asist surgeons and nurses during surgery by passing instruments and other sterile supplies. Students will experience challenging coursework and instruction in a variety of surgical procedures and clinical settings.

Local Program	• (Adult Only	Program)
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Surgical Technologist (Accredited Program), OCAS 9343

Surgical Technologist (Accredited Program), OCAS 9343				
Courses	Hours	OCAS		
Surgical Technology Orientation	15			
Core Medical Terminology	45			
Anatomy	160			
Physiology	80			
Introduction to Surgical Technology	60			
Microbiology and Wound Healing	48			
Essentials of Surgical Asepsis	60			
Surgical Pharmacology	60			
Disaster and Emergency Preparedness	15			
Surgical Patient Care	60			
Surgical Case Management	90			
Surgical Procedures I	90			
Surgical Procedures II	75			
Surgical Tech Practicum I	78			
Surgical Tech Practicum II	210			
Surgical Tech Practicum III	210			
TOTAL HOURS	1356			

Occupations

Surgical Technologist

Entry Level Salary Range

\$18.00 - \$22.00 per hour

Licensure/Certification

CST Nationally certified Surgical Technologist

Resources

Medical Terminology: A short course Understanding Anatomy & Physiology Text & Workbook

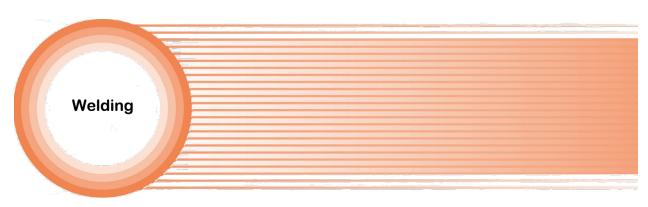
Suggested Entry Level Skills

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

Clothing Requirement

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





The Welding program at CV Tech prepares students for a career in the welding field. Students will learn about Shielded Metal Arc Welding (Stick), Gas Metal Arc Welding (MIG), Flux Cored Arc Welding (FCAW), and Gas Tungsten Arc Welding (TIG). Students will also learn about oxy-fuel cutting and weld shop blueprint reading.

Pipe/Structural Welder/Fitter, OCAS 9707/9708			
Courses	Hours	OCAS	Occupations
Fundamentals of Welding	30		Welder
Cutting Processes	85		Fabricator Fitter
SMAW Beads and Fillet Welds	155		Inspector
Welding Joint Fit Up and Adjustments	15		Retail Sales
SMAW V Groove and Pipe Welds	180		
SMAW Stainless Steel Grove and Pipe Welds	75		Entry Level Salary Range
SMAW Groove Welds with Backing	30		\$12.00 - \$30.00 per hour
SMAW/FCAW Processes	105		
GTAW Plate and Pipe	120		Licensure/Certification
Weld Quality	15		Certified Welder
Welding Blueprints	30		
Metal Prep and Characteristics	60		
Employee Readiness	15		Resources Welding Technology
GTAW Aluminum Plate	45		Fundamentals
TOTAL HOUF	S 960		Hobart Institute of Welding Technology Step-by-Step Books

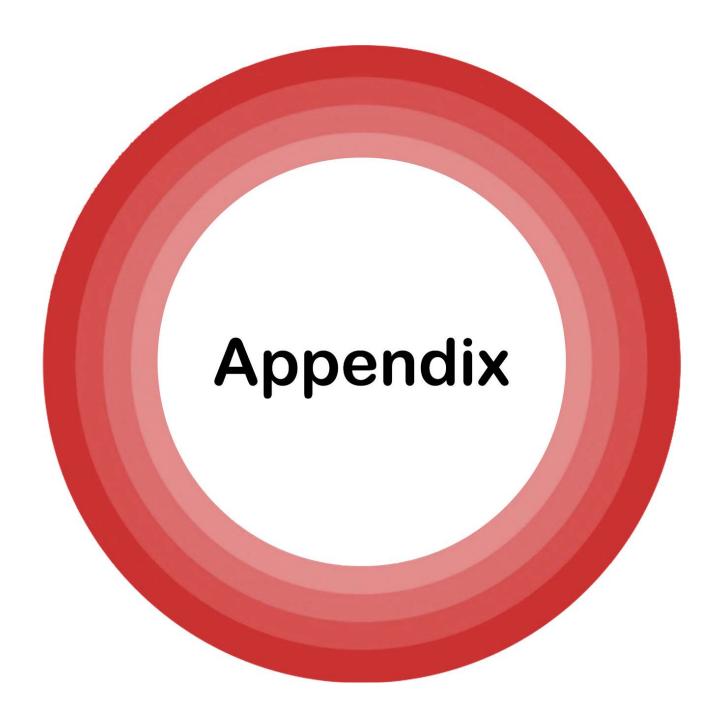
Suggested Entry Level Skills

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.





CAREERTECH ACADEMIC CREDITS/TRANSCRIPTING - Math & Science Courses

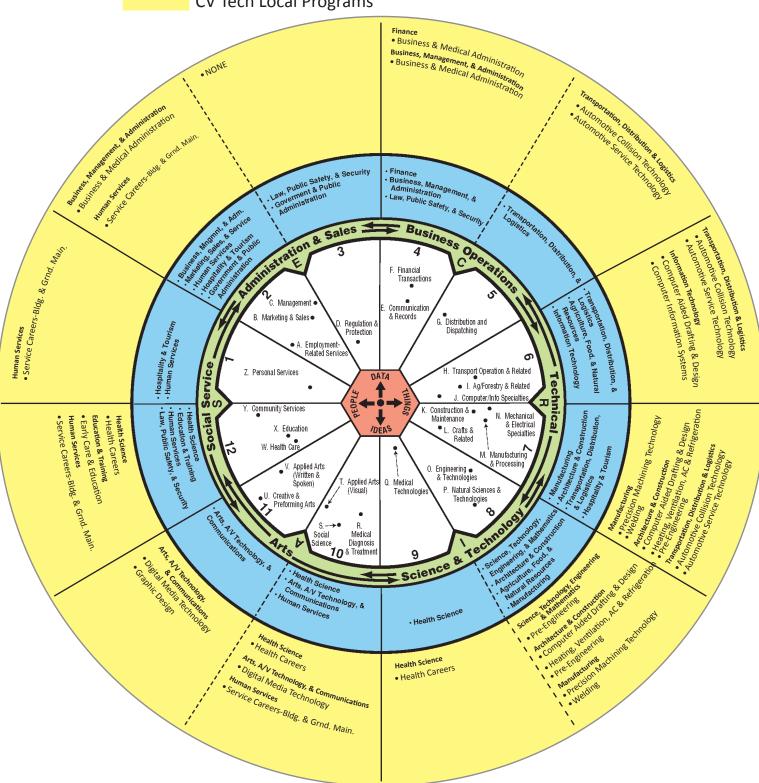
On March 26, 2015, the Oklahoma State Board of Education approved certain math and science courses taught at technology centers and select high schools to count for academic credit on high school transcripts. On June 8, 2015, the Oklahoma State Regents for Higher Education approved the PLTW Pre-Engineering and PLTW Biomedical courses to count for academic credit on the College Prep/Work Ready curriculum and to count for OKPromise. CTE Biotechnology courses will count as a science course on the CORE curriculum and will count as electives on the CollegePrep/WorkReady curriculum. Additional courses were approved in December 2016.

In order for students to receive credit for these courses, it is imperative that schools follow these guidelines:

- 1) Technology Centers <u>must submit</u> these courses to their partner schools' boards of education <u>for approval to count these courses</u> as academic credit for graduation <u>purposes</u>.
- 2) The following chart shows which courses count for math or science credit and how the instructor of that course must be certified. If the instructor is not certified in the listed area, then the course will count as an elective.
- 3) NCAA High schools will need to submit to NCAA course syllabi's for the courses approved by the local BOEs that meet the requirements for math or science credit. Technology Centers will need to work with their partner schools to supply the information needed by NCAA.
- 4) It is <u>very important</u> that the technology centers send their partner schools the correct OCAS code when listing courses receiving academic credit. (Just as technology centers have been doing for Human Anatomy/Physiology in Health and for courses already on the OKPromise list of approved courses.) It is also <u>very important</u> that high schools use these same codes when adding the courses to the students' transcripts. The correct OCAS codes for the science and math courses are listed in the chart below.
- 5) Additional computer education courses approved for OKPromise and the CollegePrep/WorkReady curriculum are listed under CTE Academics and Transcripting located here: https://www.okcareertech.org/educators/career-and-academic-connections/academics
- 6) Here is the link to the list of courses on the SDE's website: http://www.ok.gov/sde/accreditation-standards-division scroll down to subject codes.

World-of-Work Map and U.S. Department of Education Career Clusters

U.S. Department of Education 16 Career Clusters
CV Tech Local Programs



Oklahoma based the above model on the ACT World-of-Work Map in order to crosswalk the 6 ACT Career Clusters to the 16 U.S. Department of Education Clusters. This version does not imply endorsement by ACT or the U.S. Department of Education.

Oklahoma CareerTech Certifications Processes

Law	Year	Description of Qualifiers	How Counted	Process
HB 3218	2016 (Original SB 497 in 2006)	Business and industry recognized endorsements attained by students: 1) Business and industry recognized endorsements are listed on the approved list here*. 2) Approved business and industry recognized endorsements follow A-F guidelines. Use the ones that appear in the A-F column with "Yes."	Business and industry recognized endorsements attained by students shall be transcripted on the student's high school transcript.	Technology centers send the name of the business and industry recognized endorsement and the name of students earning that endorsement to the high school counselor/registrar. At the high school, CTE teachers inform counselor/registrar the name of the business and industry recognized endorsement and the name of students earning that endorsement. Counselor/registrar adds <u>name of endorsement</u> to students' transcript in "notes" or "testing" section.
HB 3218	2016	Postsecondary Opportunities: Students enrolling and successfully completing technology center industry certification programs earn points that count towards the A-F report card of the local high school. 1) Industry certification programs must lead to specific certifications on the approved list here*. 2) Use certifications that appear in the A-F column with "YES."	Students may earn any number of points addressed in "Postsecondary Opportunities." Only 1 point per student can count on the A-F report card of the high school, however. Schools should submit all students qualifying for points. SDE will determine duplicative points.	Technology centers will report enrollment, participation and grades to ODCTE for all students in qualifying industry certification programs. ODCTE compiles this data and reports it to SDE. High schools will use approved CTE OCAS subject codes for reporting in the WAVE to ensure credit in the report. SDE guidelines can be found at http://sde.ok.gov/sde/accountability-assessments (includes approved CTE courses). Select "Postsecondary Opportunities Guide."

Oklahoma CareerTech Certifications Processes

Law	Year	Description of Qualifiers	How Counted	Process
SB 1370	2018	CORE students only: Successful completion of 1 year of a full time, 3-hour CareerTech program leading to an industry-valued credential/ certificate (industry-endorsed or industry-aligned) or college credit. 1) Industry certification programs must lead to specific certifications on the approved list here*. 2) Use certifications that appear in the Endorsed or Aligned column with "Yes."	Can fulfill high school graduation requirements for CORE students only by counting as 1 of the 2 math credits that are at or above the level of Algebra I.	Technology center sends student grades to the high school. It is a local decision as to how the high school records it on the transcript. Following local board of education approval, counselor/registrar adds to students' transcripts. Technology Centers should use current CTE Subject Codes for reporting program completion to the high schools. The OSDE will provide guidance to school districts for transcripting, including suggestions for tracking the completion of math requirements. A statewide "Core Curriculum Enrollment" form for the core curriculum will be available on the OSDE Accreditation Division's website.

Other academic resources including Oklahoma CTE Guidelines for Academics at https://oklahoma.gov/careertech/educators/counseling-and-career-development.html

If you have questions or need more information, please contact Shawna Nord, Counseling and Career Development Manager, 405.743.5524 shawna.nord@careertech.ok.gov, or Julie Childers, Academic Coordinator, 405.743.5110, julie.childers@careertech.ok.gov.

^{*}Approved Assessment List – Updated: https://www.okcareertech.org/educators/assessments-and-testing/testing/testing.

Additional Guidance for SB 1370 - CareerTech Program Meeting Math Requirement

Senate Bill 1370 allows for the acceptance and completion of one (1) year of a full-time, three-hour career and technology program leading to an industry credential/certificate (endorsed or aligned) or college credit to count for a third math to meet graduation requirements for students on the CORE curriculum.

- 1) The CareerTech programs that will count for the CORE curriculum's third required math have to be leading to a certification that is industry-endorsed or industry-aligned.
- 2) SB 1370 also requires that a parent or legal guardian of the student meet with a designee of the local school prior to enrollment in the CORE curriculum. This meeting is critical in assuring parents and students are fully informed of their options.
- 3) The CORE curriculum counts for high school graduation only. It does not meet college entrance requirements or OKPromise requirements. Students on the CORE curriculum who want to attend college will have to meet additional requirements.
- 4) Tech Centers SHALL NOT discourage students from taking Algebra II or Geometry as their third required math or discontinue teaching pull-out math courses. (We do not want to make it more difficult for our students should they choose to continue to higher education, as 52% of our students do.)
- 5) This law should be the exception for students rather than the rule. It is an opportunity for students to meet the math requirement if scheduling or other issues prevent them from taking a third math.
- 6) Students can only use this option one time. <u>CareerTech programs cannot count for CORE Math and a computer credit in the same year.</u>
- 7) When the tech centers request their yearly approval of CareerTech academic courses from the local school boards, they will want to add information to specifically address this law.
- 8) It is the local board decision as to how to transcript this credit.
- 9) Here is the suggested transcript statement from the SDE:

SB 1370 – Transcription Guidance for Counselors

According to 70 O.S. § 11-103.6(D)(2)(g), as amended by Senate Bill 1370 (2018), an approved CareerTech (CTE) course may be used to satisfy one unit of mathematics credit for students on the Core Curriculum pathway. For ease of reading and understanding the transcript, a footnote may be added. Sample language for the footnote is provided below:

Pursuant to 70 O.S.§ 11-103.6(D)(2)(g), students on the Core Curriculum Pathway may satisfy one mathematics credit with either Computer Science or acceptance and successful completion of one (1) year of a full-time, three-hour career and technology program leading to an industry credential/certificate or college credit.

Contact **Shawna Nord**, Academic Coordinator, shawna.nord@careertech.ok.gov, 405-743-5524 Updated May, 2019

CVTECH

Adult Enrollment Steps

Updated 7/11/22

Graduating Seniors should complete the Adult Enrollment process by February 1st to be considered for priority enrollment in August.

Testing Waiver(s): Test scores are valid for <u>5 years</u> from the test date.

- o ACT: Composite of 19 or higher
- o SAT: Composite of 980 new SAT/1330 old SAT or higher
- o ASVAB: 65 or higher
- o Prior Assessment
 - · Accuplacer Next Gen scores: 235 in Reading; 238 in Arithmetic
 - · Accuplacer Classic: 53 in Reading; 41 in Arithmetic
 - · WorkKeys: 3 in all areas
- o Pass at least 12 hours of level 1 college courses or Associate Degree (within last 5 years). Students must be in good standing with the previous school(s).
- o Bachelor/Master's Degree (can be older than 5 years, no time restriction)

If qualifying for the waiver, all qualifying documents must be submitted to the appropriate program counselor.

You will be enrolled or placed on a waitlist.

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

- o (405)222-7521 to schedule assessment
 - 1st test is free; Retest or no show cost a small fee.
 - Cut scores: Reading 235 (250 LPN; 250 Surge Tech; 245 Aviation)
 Arithmetic 238 (250 LPN; 238 Surge Tech; 245 Aviation-QRAS)

If taking Accuplacer, upon completion of the assessment, you'll meet with the appropriate program counselor.

o You will be offered remediation, enrolled, or placed on a waitlist.

If accommodations are needed: Call: (405) 222-7557 prior to scheduling assessment

Complete FAFSA application online, if applicable: studentaid.gov (School Code: 009965)

Determine if you qualify for the Next Step Scholarship:

- o Are you under the age of 24?
- o Do you have a high school diploma or GED?
- o Do you live in one of our sending school districts?