

CTE AND CAREER CLUSTERS

Career and technical education (CTE) is the practice of teaching specific career skills in preparation for high-skill, in-demand employment. CTE has 16 different tracks (Career Clusters) students can pursue. Careers with the same foundational knowledge and skills are grouped in the same cluster. Following identifies the Career Clusters applicable to IECC's career and technical education and the corresponding programs.

Career Cluster: Agriculture, Food, and Natural Resources	
Agricultural Technology/Business Degree, WVC	Mine Electrical Maint III Certificate, FCC
Agricultural Technology/Production Degree, WVC	Precision Agriculture Certificate, WVC
Coal Mining Maintenance I Certificate, FCC	Professional Ag Applicator Certificate, WVC
Coal Mining Technology Certificate and Degree, FCC	Turf and Landscape Design Certificate, WVC
Career Cluster: Architecture and Construction	
Alternative Fuels Certificate, WVC	Energy Technology Degree, WVC
Electrical Distribution Systems Certificate and Degree, FCC	Industrial Maintenance HVAC I Certificate, OCC
Career Cluster: Arts, Audio/Video Technology and Communications	
Broadband Technician Certificate, LTC	Radio/TV and Digital Media Degree, WVC
Entertainment Business Certificate, WVC	Social Media Management Certificate, WVC
Media Communications Certificate, WVC	Sports Marketing and Media Degree, WVC
Music and Media Certificate and Degree, WVC	
Career Cluster: Business Management and Administration	
Customer Service Management Certificate, LTC	Office Management Degree, LTC
Educational Leadership Certificate, WVC	Philanthropy Certificate, LTC
Entrepreneurship Certificate, WVC	Public Service Management Certificate, LTC
Human Resource Assistant Degree, OCC	Small Business Development Certificate, LTC/OCC/WVC
Industrial Management Degree, LTC	Special Event Management Certificate, LTC
MS Office Specialist Certificate, OCC	Supervisory Skills Certificate, LTC
Office Administration Certificate and Degree, OCC	Workplace Skills Certificate, LTC
Career Cluster: Finance	
Accounting Degree, OCC	QuickBooks Certificate, OCC
Professional Bookkeeper Certificate, OCC	
Career Cluster: Health Science	
Associate Degree in Nursing, FCC/LTC/OCC/WVC	Medical Coding Associate Certificate, OCC
Basic Nurse Assistant Training Progr Cert, FCC/LTC/OCC/WVC	Medical Laboratory Technician Degree, FCC
Certified Medical Assistant Degree, FCC, LTC	Medical Office Assistant Degree, OCC
Electronic Medical Records Certificate, LTC	Medical Transcription Certificate, OCC
Emergency Medical Responder Certificate, FCC	Pharmacy Technician Certificate, LTC
EMT Certificate, FCC	Phlebotomy Certificate, FCC
Health Careers Certificate, FCC, LTC, OCC, WVC	Physical Therapist Assistant Degree, WVC
Health Information Technology Degree, OCC	Practical Nursing Certificate, OCC
Massage Therapy Certificate, OCC	Radiography Degree, OCC
Medical Assistant Certificate, FCC, LTC	
Career Cluster: Human Services	
Cosmetology Certificate, OCC	Early Childhood – ECE Level 3 Credential Certificate, WVC
Cosmetology Teacher Certificate, OCC	Nail Technology Certificate, OCC
Early Childhood Education Degree, WVC	Social Services Specialist Degree, WVC
Early Childhood – ECE Level 2 Credential Certificate, WVC	
Career Cluster: Information Technology	
Combination Technician Certificate, LTC	Information Systems Technology Degree, OCC
Computer Security and Forensics Certificate, LTC	Network Technician Certificate, OCC
Graphic Arts and Design Degree, FCC	Networking Certificate, LTC
Graphic Design Certificate, FCC	Outside Plant Technician Certificate, LTC

Career Cluster: Law, Public Safety, Corrections & Security	
Administration of Justice Degree, OCC	Fire Science Degree, FCC
Advanced Suppression Specialist Certificate, FCC	Fire Service Administrator Certificate, FCC
Basic Fire Suppression Tech Certificate, FCC	Shooting Range Safety Officer Certificate, WVC
Career Cluster: Manufacturing	
Adv Industrial Technician Certificate, WVC	Inter Industrial Technician Certificate, WVC
Advanced CNC Programming Certificate, WVC	Manufacturing Design Certificate, WVC
Advanced Manufacturing Degree, WVC	Manufacturing Skills Certificate, LTC
Automation Certificate, WVC	Operations Technician Certificate, OCC
Automation Technician Certificate, OCC	Process Technology Certificate and Degree, LTC
Equipment Technician Certificate, OCC	Welding Certificate, LTC (C571), OCC (C276)
Gunsmithing Certificate and Degree, WVC	Welding and Cutting Certificate, OCC
Industrial Maintenance Technology Degree, OCC	Welding and Fabricating Degree, OCC
Industrial Technician Certificate, WVC	
Career Cluster: Marketing	
Marketing Business Management Degree, WVC	Sales Certificate, WVC
Real Estate Certificate, WVC	
Career Cluster: Transportation, Distribution & Logistics	
Auto Light Repair Tech Certificate, FCC	Automotive Technology Degree, FCC
Auto Maintenance & Repair Certificate, OCC	Collision Repair Technology Degree, OCC
Auto Service Technology I Certificate, OCC	Diesel Equipment Technology Degree, WVC
Auto Service Technology II Certificate, OCC	Light Vehicle Diesel Service Certificate, FCC/OCC
Automotive Repair Technician Certificate, OCC	Truck Driving Certificate, WVC
Automotive Service Specialist Certificate, FCC	Unmanned Aerial Pilot Certificate, OCC
Automotive Service Technology Degree, OCC	Unmanned Aerial Technology Degree, OCC