

# Occupational Career Clusters Digital Video Show

From the Career Development Resources / Texas Workforce Commission  
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## Career Clusters

Technological advances and global competition have transformed the nature of work. Tomorrow's jobs will require more knowledge, better skills, and more flexible workers than ever before. Tomorrow's workers must be prepared to change jobs and careers several times, continually updating their knowledge and skills.

To prepare today's students for tomorrow, schools are working to help students achieve in challenging subjects. One key approach to this goal is to provide students with relevant contexts for learning. Career clusters link what students learn in school with the knowledge and skills they need for success in college and careers. These career clusters are based on the U.S. Department of Education's Office of Vocational and Adult Education taxonomy.

Career clusters identify pathways from secondary school to two- and four-year colleges, graduate school, and the workplace, so students can learn in school and what they can do in the future. This connection to future goals motivates students to work harder and enroll in more rigorous courses. Partnerships involving state, schools, educators, employers, industry groups, and other stakeholders are creating curriculum guidelines, academic and technical standards, assessments, and professional development materials for 16 career clusters:

### Occupational List/Videos

**Agriculture and Natural Resources** Planning and managing agriculture, food, fiber, and natural resources systems. Production of agricultural commodities, including food, fiber, wood products, horticultural crops, and other plant and animal products. Financing, processing, and marketing and distribution of agricultural products; farm production and supply and service industries; horticulture and landscaping services, and the use and conservation of land and water resources; development and maintenance of recreational resources. Also includes mining and extraction operations and related environmental management services.

Agriculture & Food Scientists  
Animal Caretakers Except Farm  
Biological, Agricultural, and Food Technicians and Technologists, except Health  
Farm Equipment Mechanics  
Farm Equipment Operators  
Forest and Conservation Workers

Gardeners and Groundskeepers  
Lawn Maintenance Workers  
Log Handling Equipment Operators  
Nursery Workers  
Nursery/Greenhouse Manager  
Pest Controllers and Assistants  
Pruners  
Sprayers and Applicators  
Veterinarians and Veterinary Inspectors  
Veterinary Assistants

**Architecture and Construction** Designing, planning, managing, building, and maintaining physical structures and the larger built environment including roadways and bridges and industrial, commercial and residential facilities and buildings.

Architects  
Carpenters  
Carpet Installers  
Concrete and Terrazzo Finishers  
Construction Managers  
Construction and Building Inspectors  
Drywall Installers  
Electrical Power-Line Installers and Repairers  
Electricians  
Grader, Bulldozer and Scraper Operators  
HVAC Technician  
Insulation Workers  
Landscape Architect  
Mason  
Operating Engineers  
Painters and Paperhangers  
Paving, Surfacing, and Tamping Equipment Operators  
Plumbers, Pipefitters, and Steamfitters  
Roofers  
Sheet Metal Duct Installers  
Sheet Metal Workers  
Structural Iron Workers  
Surveyors and Mapping Scientists

**Arts, A/V Technology and Communication** Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Advertising, Marketing, Promotions, Public Relations and Sales Managers  
Announcers, Radio and Television  
Broadcast and Sound Technicians  
Camera Operators  
Commercial Artists  
Designers

Electronic Pagination System Workers  
Floral Designer  
Interior Designers  
Jewelers and Silversmiths  
Musicians  
Photographers  
Printing Press Machine Operators and Tenders  
Producers, Directors, Actors and other Entertainers  
Public Relations Specialists and Publicity Writers  
Reporters and Correspondents  
Technical Writers  
Writers and Editors

**Business and Administration Planning, managing, and providing administrative support, information processing, accounting, and human resource management services and related management support services.**

Administrative Services Managers  
Clerical Supervisor/Manager  
Communications, Transportation and Utilities Managers  
Cost Estimators  
Customer Service Representatives, Utilities  
Employment Interviewers  
General Manager/Chief Executive  
General Office Clerks  
Mail Clerks, except Mail Machine Operators and Postal Service  
Operations Research Analysts  
Order Clerks: Materials, Merchandise, and Service  
Personnel Managers  
Personnel, Training and Labor Relations Specialists  
Receptionists and Information Clerks  
Secretary, Except Legal and Medical

**Education and Training Planning, managing and providing education and training services, and related learning support services including assessment and library and information services.**

Adult and Vocational Education Teachers  
College & University Faculty  
Computer Science Teachers, Postsecondary  
Education Administrators  
Elementary School Teacher  
Instructors and Coaches, Sports and Physical Training  
Librarians, Professional  
Library Assistants and Bookmobile Drivers  
Library Technicians  
Preschool and Kindergarten Teachers  
Secondary School Teacher  
Special Education School Teacher  
Teacher Aides and Educational Assistants, Clerical  
Vocational and Education Counselors

**Finance Planning, managing and providing banking, investment, financial planning, and insurance services.**

Accountants and Auditors  
Actuaries  
Bank Teller  
Bill and Account Collectors  
Bookkeeping, Accounting and Audit Clerks  
Brokerage Clerks  
Claims Examiners, Property and Casualty Insurance  
Credit Analysts  
Financial Managers  
Insurance Adjusters, Examiners and Investigators  
Insurance Appraisers, Auto Damage  
Insurance Sales Workers  
Loan Counselors and Officers  
Securities/Financial Services Sales Representative  
Tax Examiners, Collectors and Revenue Agents  
Tax Preparers  
Underwriters

**Government and Public Administration Planning, managing and providing government legislative and administrative and regulatory services and related general purpose government services at the federal, state and local levels.**

Highway Maintenance Workers  
Postal Mail Carriers  
Water and Liquid Waste Treatment Plant and System Operators

**Health Services Planning, managing, and providing diagnostic, therapeutic, and information and environmental services in health care.**

Dental Assistants  
Dental Hygienist  
Dental Laboratory Technicians, Precision  
Dentists  
Dietitians and Nutritionists  
Emergency Medical Technicians  
Licensed Practical Nurses  
Medical Assistants  
Medical Laboratory Technicians  
Medical Records Technicians  
Medical Secretaries  
Medical and Clinical Laboratory Technologists  
Medicine and Health Service Managers  
Nursing Aides, Orderlies and Attendants  
Occupational Therapists  
Opticians, Dispensing and Measuring  
Pharmacist  
Pharmacy Technicians

Phlebotomists  
Physical Therapists  
Physical Therapy Assistants  
Physician Assistants  
Physicians and Surgeons  
Psychologists  
Radiologic Technologists and Technicians  
Recreational Therapists  
Registered Nurses  
Respiratory Therapists  
Speech/Language Pathologists and Audiologists  
Surgical Technologists and Technicians

**Hospitality and Tourism** Planning, managing and providing lodging, food, recreation, convention and tourism, and related planning and support services such as travel-related services.

Amusement/Recreation Attendant  
Athletes, Coaches, Umpires and Related Workers  
Bakers, Bread and Pastry  
Bartenders  
Bicycle and Hiking Guides  
Casino Cage Cashier  
Casino Pit Boss  
Cooks, Fast Food  
Cooks, Restaurant  
Dealer, Casino  
Food Preparation Workers  
Food Service Managers  
Hotel Desk Clerks  
Hotel/Lodging Manager  
Housekeeper/Maid  
Housekeeping Supervisors  
Janitor  
Manager, Race and Sports Book  
Recreation Workers  
Slot Machine Mechanics  
Snowmaking Pump Operators  
Travel Agents  
Travel Clerks  
Waiter/Waitress

**Human Services** Planning, managing, and providing human services including social and related community services.

Child Care Workers  
Clergy  
Funeral Directors and Morticians  
Home Health Aides  
Human Services Workers  
Personal and Home Care Aides

Residential Counselor  
Social Worker

**Information Technology**     **Designing, developing, managing and operating communication and information technology systems, networks, and related hardware and software for telecommunications and computing services.**

Communication Equipment Mechanics, Installation  
Computer Operators  
Computer Programmers  
Computer Support Specialists  
Data Processing Equipment Repairers  
Database/Network Administrator  
Help Desk Technician  
Network Administrator  
Systems Analyst  
Telephone and Cable TV Installers and Repairers  
Webmaster

**Law and Public Safety**     **Planning, managing and providing judicial, legal, and protective services including professional and technical support services in the fire protection and criminal justice systems.**

Correctional Officer  
Dispatchers: Police, Fire, and Ambulance  
Fire Inspectors  
Firefighters  
Lawyer  
Legal Secretaries  
Paralegal Personnel  
Police and Detective Supervisors  
Police and Detectives  
Security Officers  
Sheriffs

**Manufacturing**     **Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.**

Assemblers and Fabricators, except Machine, Electrical, Electronic and Precision  
Assemblers, Precision  
Bakers, Manufacturing  
Cabinetmakers and Bench Carpenters  
Chemical Equipment Controllers and Operators  
Chemical Plant and Systems Operators  
Electrical and Electronic Assemblers  
Grinders & Polishers, Hand  
Hand Packers and Packagers  
Industrial Machinery Mechanics  
Industrial Production Managers

Machine Setters and Tenders  
Machinery Maintenance Workers  
Machinists  
Numerical Control Machine Tool Operators and Tenders, Metal and Plastic  
Packaging and Filling Machine Operators and Tenders  
Precision Inspectors, Testers and Graders  
Production, Planning, and Expediting Clerks  
Sewing Machine Operators  
Stock Clerks  
Tool and Die Makers  
Welder  
Wood Machinists

**Retail/Wholesale Sales and Service      Planning, managing and performing wholesaling and retailing services and related marketing and distribution support services including merchandise/product management and promotion.**

Adjustment Clerks  
Bicycle Repairers  
Brokers, Real Estate  
Butchers and Meatcutters  
Cashiers  
Counter and Rental Clerks  
Custom Tailors and Sewers  
Driver/Sales Workers  
Hairdressers and Hairstylists  
Manicurists  
Marketing Supervisor/Manager  
Merchandise Displayers and Window Trimmers  
Office Machine and Cash Register Servicicers  
Order Fillers, Wholesale and Retail Sales  
Property and Real Estate Managers and Administrators  
Purchasing Agents and Buyers, Except Wholesale, Retail, and Farm Products  
Purchasing Managers  
Real Estate Agent  
Real Estate Appraisers  
Retail Sales Manager  
Retail Salespersons  
Service Station Attendants  
Shipping, Receiving and Traffic Clerks  
Technical Sales Representative  
Telemarketers, Door-To-Door Sales, News and Street Vendors, & Other Related Workers

**Scientific Research/Engineering      Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.**

Aeronautical and Astronautical Engineers  
Biological Scientists

Chemical Engineers  
Chemists, except Biochemists  
Civil Engineers, Including Traffic  
Computer Engineers  
Drafters  
Electrical and Electronic Engineers  
Electrical and Electronic Technicians and Technologists  
Hazardous Materials and Waste Technicians  
Industrial Engineers, Except Safety Engineers  
Mechanical Engineering Technicians and Technologists  
Mechanical Engineers  
Precision Optical Goods Workers  
Robotics Technicians

**Transportation, Distribution and Logistics**      **Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.**

Able Seamen  
Aircraft Engine Specialists  
Aircraft Mechanics  
Aircraft Pilots and Flight Engineers  
Automotive Body and Related Repairers  
Automotive Mechanics and Service Technicians  
Bus Drivers, Except School  
Bus Drivers, School  
Bus, Truck, and Diesel Engine Mechanics  
Captains, Water Vessel  
Crane and Tower Operators  
Dispatchers, Except Police, Fire, and Ambulance  
Industrial Truck Operators  
Messengers  
Refuse and Recyclable Materials Collectors  
Small Engine Specialists  
Stationary Engineers  
Taxi Drivers and Chauffeurs  
Truck Driver, Heavy or Tractor-Trailer  
Truck Drivers, Light, Include Delivery and Route Workers  
Vehicle Washers





Welcome to the latest in high quality digital occupational video! The **Occupational Career Clusters Digital Video Show** (8 CD set) has been created by the staff of **Career Development Resources (CDR)**, Texas Workforce Commission, to show the library of occupational video produced by the U.S. Department of Labor. This program contains 300 digital occupational video segments organized for viewing by the sixteen career clusters developed by the U.S. Dept. of Education. The Occupational Digital Video Show is ideal for student and jobseeker career exploration. Each minute long, high-resolution video clip is close captioned and is accompa-

nied by a narrated script that described typical workplace interactions. Added features such as labor market information narratives, which relate occupational earnings and projected job openings by Texas Workforce Development Board Area, and multiple Internet links, makes this program even more valuable. With the Occupational Digital Video Show, students don't just read about a career,.....

**THEY EXPERIENCE IT!**

