

Career Pathways

As part of our comprehensive guidance plan, students are encouraged to explore the various career pathways, specific career clusters and individual occupations prior to completion of the 9th grade year.

How much education do you wish to invest in?

The more education that you will invest your time, money and energy to, the greater choices will await you. These are three general categories based on education levels completed.

Entry Level Careers: Entry level occupations are usually the lowest skill level positions. While they may be obtained with a high school diploma, many are minimum wage positions with little advancement opportunity. This is a declining area in the economy as more occupations require some skilled training. About 25% of all jobs fall in this category.

Skilled Level Careers: Skilled occupations require candidates to complete specialized training such as completion of a technical or community college program of 1-3 years in duration earning An Associate Degree. Many of the skills for these jobs can be obtained through free training in the military. Higher wages and more opportunity for advancement are found. This category is the fastest growing segment of our economy. About 50% of all jobs fall in this category.

Professional Careers: Professional occupations require candidates to complete specialized training such as completion of at least a 4 year college degree. Many of the skills for these jobs require a masters or doctorate level degree. This category has remained steady in demand for the past 20 years. About 25% of all jobs fall in this category.

Recommended Course Completion

The chart gives students and parents an outline for course completion during their 4 years at Zillah High School. Each year 2 semesters of English, Math, and Science are required in grades 9-10-11 and 2 semesters of Social Studies are required in grades 9, 10 and 12. These recommendations will allow students the greatest flexibility in post secondary education and career choices.

4 Year Sample Plans: The ZHS Faculty recommends all students complete the following:

English -8 semesters,
Mathematics-8 semesters
Social Studies-8 semesters
Science -8 semesters
Career & Technical Education-4 semesters
Foreign Language-4 semesters
Health-Fitness-4 semesters
Fine Arts-2 semesters

4 Year Sample Plans

FRESHMAN YEAR		SOPHOMORE YEAR
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English 9A & B (2 Semesters)		English 10 A & B (2 semester)
Math (Algebra 1 A & B) (2 semesters)		Math (Geometry A & B) (2 semesters)
Integrated Science A & B (2 semesters)		Biology A & B (Lab Science) (2 semesters)
WA History & Government (2 semesters)		U.S. History A & B (2 semesters)
Health (1 semester)		Fitness Activity Course (1 semester)
Fitness Activity Course (1 semester)		CTE Elective (1 semester)
CTE Elective (1 semester)		Electives (5 semester choices)
Electives (4 semester choices)		

JUNIOR YEAR		SENIOR YEAR
English Choices 11/12 (2 semesters)		English Choices 11/12 (2 semesters)
Math (Algebra 2 A & B) (2 semesters)		CWP A & B (2 semesters)
Chemistry A & B (Lab Science) (2 semesters)		Math (Pre-Calculus A & B) (2 semesters)
Social Studies Electives (2 semesters)		Lab Science choice (2 semesters)
Foreign Language (2 semesters)		Foreign Language (2 semesters)
Fitness Activity Course (1 semester)		Fitness Activity Course (1 semester)
CTE Elective (1 semester)		CTE Elective (1 semester)
Electives (3 semester choices)		Electives (3 semester choices)

Arts and Communications: Creative Careers

Interest Areas: Artistic, Musical, Literary, Creative, Design, Dramatic, Performing, Broadcasting

Careers in this pathway include a wide variety of occupations in which individuals prefer free, unsystematic activities that manipulate physical, verbal, or human materials to create art forms or products.

This pathway is for students who enjoy: doing creative work with their hands, using design, color, and materials, and/or going to concerts, playing musical instruments, signing, going to plays, and/or reading, writing, reporting, performing, broadcasting.

ARTS AND ENTERTAINMENT OCCUPATIONS: People in art and entertainment occupations provide services directly to people. The labor itself is the final product. They often create and entertain people. *Employment Outlook:* The outlook is limited. Competition is extremely stiff to enter and keep a job in this area. Most persons in this area only work part time and support themselves in another occupation or by teaching their craft or skill. The Outlook is best for those who have excellent job-seeking skills, talent, persistence, and luck.

GRAPHIC ARTS AND DESIGN OCCUPATIONS: People in graphic arts occupations possess a variety of specialized skills which they use to design and print graphic materials such as catalogs, brochures, posters, newspapers, advertising, and displays. *Employment Outlook:* The number of jobs is growing moderately. Computer assisted design is the fastest growing field and will hold much promise for future employment. Competition for jobs in this area is often high and many people are interested in these kinds of jobs.

RESEARCH AND SOCIAL WRITING OCCUPATIONS: People in research and social writing occupations examine human problems and events, may write about them or plan corrective actions.

Employment Outlook: The need for people in these occupations will remain strong, but the number of job openings is controlled by society's willingness to pay workers for these positions. Competition is stiff for openings and often require a high level of education. Many persons choose to teach their occupation at the university level.

Entry Level Careers

Actors
Advertising Workers
Announcers
Crafts Workers
Disk Jockey
Dispatcher
Makeup Artists
Media Buyers & Sellers
Merchandise Displayers
Models
Singers

Skilled Level Careers

Actors
Art Directors
Audio-Visual Specialists
Camera Operators
Cartoonists and Animators
Costume & Wardrobe Specialists
Dancers
Editors
Floral Designers
Glass Blowers
Graphic Designers
Interior Designers
Interpreters and Translators
Jewelers
Museum Technicians/Conservators
Page Layout Workers
Photographers
Potters
Set/Exhibit Designers
Sketch Artists
Writers

Professional Careers

Actors
Camera Operators
Choreographers
Composers and Arrangers
Fashion Designers

Film/Video Editors
Fine Artists
Graphic Designers
Industrial Designers
Interior Designers
Landscape Architects
Musicians
Musical Directors
News Reporters
Photographers
Technical Writers

Business Operations: Management, Marketing & Clerical Careers

Interest Areas: Business, Computational, Clerical, Persuasive, Economic

Careers in this pathway include a wide variety of occupations in which individuals supervise or influence others to achieve business goals or economic gain, or which individuals manipulate data, file, operate computers, and organize written and numerical information according to a prescribed plan to achieve business or economic goals.

This pathway is for students who enjoy working with numbers, doing tasks which require precision, accuracy and attention to details, being a persuasive person, meeting, dealing with and convincing other people or promoting projects, products, or causes.

ADMINISTRATIVE: People in administrative occupations plan, develop, implement and communicate the policies of their organization. They may also supervise operations and/or production and coordinate the staff. *Employment Outlook:* The demand for managers is rising slightly faster than most occupations. Successful managers have little difficulty changing employers because their skills are always in demand.

BOOKKEEPING/ACCOUNTING: People in bookkeeping and accounting occupations help management control the operation of an organization by obtaining and recording information about accounts and business transactions. *Employment Outlook:* The demand for people in these occupations is steady. Some experience higher turn over due to some relatively low wages in entry positions. These occupations are generally less influenced by minor economic downturns.

CLERICAL: People in clerical occupations aid communication and the flow of business by typing letters, keeping files, greeting visitors and answering phones. They may also use new technologies such as computers to accomplish these goals. *Employment Outlook:* The demand for clerical occupations is strong and steady. Turnover can be high due to relatively low wages earned by many, but not all workers. Those with computer skills receive greater compensation.

SALES: People in sales occupations assist consumers in making purchases of goods and services. Some help customers to buy certain products and others try to persuade customers to buy certain products. Salespeople can work for manufacturers or wholesalers. A significant number of salespeople work for retail stores. *Employment Outlook:* Opportunities are generally good. Most persons willing to work on a commission basis can find jobs easily. There are often large numbers of openings each year as turn over is high.

STOCK CONTROL: People in stock control occupations handle, store and control goods and materials during production, warehousing, and distribution from the producer to the consumer. *Employment Outlook:* There is a strong need for warehousing occupations since products in our state are most often shipped to other states and countries. Growth is slow in some areas, while competition for these jobs are moderate. Automation can also limit new opportunities.

Entry Level Careers

Baggage Porters & Bellhops
Bailiffs
Bill/Account Collectors
Billing Clerks
Bookkeeping Clerks
Brokerage Clerks
Buspers
Cashiers
Casino Workers
Counter/Retail Clerks
Counter Attendants
Couriers and Messengers
Credit Check Clerks
Customer Service Reps
Data Entry Clerk
Demonstrators/Promoters
File Clerks
Funeral Attendants
General Office Clerks
Hotel Desk Clerks
Insurance Claims Clerks
Library Assistants
License Clerks
Life Guards/Ski Patrols
Mail Carriers and Clerks
Meter Readers
Order Clerks
Parking Lot Attendants
Parts Salespeople
Payroll Clerks
Personnel Clerks
Postal Clerks
Production Clerks
Proofreaders
Real Estate Clerks
Receptionists
Recreation Workers
Reservation/Ticket Clerks
Restaurant Hosts
Retail Salespeople
Route Salespeople
Shipping/Receiving Clerks
Statistical Clerks
Tax Preparers

Telemarketers
Telephone Operators
Title Examiners & Clerks
Tour Guides
Train Conductors
Transportation Agents
Travel Agents
Typists/Word Processors
Ushers/Ticket Takers
Waiters/Waitresses

Skilled Level Careers

Administrative Service Managers
Advertising Managers
Advertising Salespeople
Agents/Business Managers
Agriculture Worker Supervisors
Appraisers and Assessors
Bank Tellers
Buyers/Purchasing Agents
City Planning Aides
Compliance/Inspection Officers
Computer Operators
Computer Security Specialists
Computer Support Specialists
Construction Managers
Court Clerks
Court Reporters
Credit Analysts
Employee Training Specialists
Executive/Administrative Assistants
Flight Attendants
Food Service Supervisors
Health Information Technicians
Hotel/Motel Managers
Insurance Agents
Janitor/Housekeeping Supervisors
Legal Secretaries
Library Technical Assistants
Loan Clerks
Medical Secretaries
Meeting/Convention Planners
Office Managers
Paralegals
Postmasters & Mail Superintendents
Prepress Workers
Private Detectives and Investigators
Property Managers
Real Estate Agents
Restaurant Managers
Sales Supervisors

Secretaries
Tax Preparer Supervisors
Travel Agents

Professional Careers

Accountants and Auditors
Administrative Managers
Advertising Managers
Budget Analysts
Business Executives
College Administrators
Construction Managers
Farm Managers
Financial Analysts
Financial Managers
Funeral Directors
Industrial Managers
Insurance Adjustors
Insurance Underwriters
Marketing Managers
Personal Trainers
Producers & Directors
Property Managers
Public Relations Specialists
Purchasing Managers
Securities Representatives
Storage Managers
Tax Examiners
Transportation Managers
Urban Regional Planners

Scientific & Health Careers: Problem Solving Careers

Interest Areas: Scientific, Computational, Health Care, Engineering & Mathematics, Research, Investigative, Inquisitive, Inventive.

Careers in this pathway include a wide variety of occupations in which individuals prefer activities that include the investigation of physical, biological and cultural phenomena in order to understand and sometimes control their behavior.

This pathway is for students who enjoy: investigating, working to discover or understand nature, solve problems, do experiments, work with research, and/or discover new ways to do things.

AGRICULTURE & NATURAL RESOURCES OCCUPATIONS: People in agriculture and natural resources occupations plan and work to get increased production from farms, gardens, forests and streams. *Employment Outlook:* Demand varies by occupation and may depend on demand for products

or on government funding. Most openings are for technicians. Competition is moderate for most jobs. Technicians require skill developed with college training.

ELECTRONICS OCCUPATIONS: People in electronics occupations have knowledge and skills which they use in generating, distributing and using electrical power. They must also know the construction, installation, and maintenance of electrical parts, components, systems and equipment. *Employment Outlook:* Most occupations in this group are growing, particularly as population grows. New technologies require new skills and some automation may eliminate some jobs.

ENGINEERING AND DESIGN OCCUPATIONS: People in engineering and design occupations use their scientific skills and their creative ideas to plan and design land areas, buildings, machinery and other structures and equipment. *Employment Outlook:* Civil, mechanical, environmental and chemical engineers will be needed to address environmental problems. Industrial engineers will be in demand to increase production efficiency. Engineers of all kinds are in demand, but the demand is usually cyclical. A great demand for several years is followed by a lower demand for several years. This happens when the supply of highly trained workers exceed the demand for workers.

HEALTH OCCUPATIONS: (*This career area is cross listed with Social Service Careers, since many health occupations also deal with social service*). People in health service occupations use a variety of skills to treat the health and personal needs of patients and clients. *Employment Outlook.* The outlook is expected to remain extremely favorable for the next 10 years due to the aging population and expansion of health care industries. Rural and inner city health opportunities will increase the greatest. An increase is also seen for providing patient services directly in the home.

INSPECTING OCCUPATIONS: People employed in the inspecting occupations use scientific understanding and technical laboratory skills to perform tests for quality control, research, or diagnosis. *Employment Outlook:* Environmental related jobs and medical related jobs are increasing in demand. Other jobs in this cluster are stable and are often very competitive, particularly those that require advanced education. Often retirements create new openings.

MATHEMATICS AND COMPUTING OCCUPATIONS: People employed in mathematical and computing occupations use their numerical skills to solve problems, analyze results, and make decisions in areas such as science, engineering and management. *Employment Outlook:* Demand for workers in computer related jobs is high. Strong employment growth is expected. The number of management and accounting firms that use computers is growing, also increasing demand.

Entry Level Careers

Chemical Dependency Aides

Fitness Trainers

Gardeners & Groundskeepers

Hatchery Workers

Home Healthcare Aides

Numerical Control Programmers

Nursing Assistants/Orderlies

Occupational Therapy Aides

Personal/Home Care Aides

Physical Therapy Aides

Psychiatric Aides

Veterinary Aides

Skilled Level Careers

Broadcast Technicians
Cardiovascular Technicians
Chiropractic Technicians
Computer Programmers
Database Administrators
Dental Assistants
Dental Hygienists
Dental Lab Technicians
Dietetic Technicians
Drafters/CAD Technicians
Electronics Technicians
Emergency Medical Techs
Forensic Science Technicians
Irrigation Technicians
Licensed Practical Nurses
Mathematical Technicians
Medical Assistants
Medical Lab Technicians
Nurse Midwives
Opticians
Pharmacy Technicians
Pollution Control Technicians
Physical Therapy Assistants
Psychiatric Technicians
Occupational Therapy Assistants
Radiation Therapists
Radiological/X-Ray Technicians
Respiratory Therapists
Robotics Technicians
Scientific Technicians
Surgical Technologists
Surveying/Mapping Technicians
Veterinary Assistants
Veterinary Technicians
Web Page/Network Specialists
Winemakers

Professional Careers

Actuaries
Acupuncturists
Aerospace Engineers
Agricultural Engineers
Agricultural Scientists
Anesthesiologists
Animal Scientists
Anthropologists
Archeologists
Architects
Archivists/Curators
Astronomers
Athletic Trainers

Biologists
Cartographers
Chemical Engineers
Chemists
Chiropractors
Civil Engineers
Computer Systems Mgrs
Computer Engineers
Computer Programmers
Computer Analyst
Conservation Scientists
Coroners
Dentists
Dietitians
Economists
Electrical Engineers
Engineering Managers
Environmental Engineers
Fire Investigators
Food Scientists
Forensic Scientists
Foresters
Geographers
Geologists/Geophysicists
Industrial Engineers
Materials Engineers
Mathematicians
Mechanical Engineers
Meteorologists
Mining Engineers
Nuclear Engineers
Nurse Practitioners
Occupational Health Sps.
Occupational Therapists
Optometrists
Petroleum Engineers
Pharmacists
Physical Therapists
Physician Assistants
Physicians
Physicists
Psychologists
Recreation Therapists
Registered Nurses
Sociologists
Speech Pathologists
Statisticians
Surgeons
Veterinarians

Zoologists

Social Service Careers: Helping and Service People Careers

Interest Areas: Social, Service, Education, Recreation, Health Services,

Careers in this pathway include a wide variety of occupations in which individuals prefer to work with others to inform, train, cure, or assist. This pathway is for students who enjoy meeting, working with, and helping people.

FOOD SERVICE OCCUPATIONS: People in food service occupations prepare and serve food and beverages and clean up afterwards. They work for various dining establishments, restaurants, cafeterias, fast food operations, bakeries, coffee shops, institutions, etc. *Employment Opportunities:* Opportunities in these occupations are growing faster than the average for all occupations. Turn over is high and there is a shortage of the more highly skilled workers. Most job seekers can find employment in this area. Wages can be low for entry level.

HEALTH OCCUPATIONS: (*This career area is cross listed with Science & Health Careers, since many health occupations also deal with science skills*). People in health service occupations use a variety of skills to treat the health and personal needs of patients and clients. *Employment Outlook.* The outlook is expected to remain extremely favorable for the next 10 years due to the aging population and expansion of health care industries. Rural and inner city health opportunities will increase the greatest. An increase is also seen for providing patient services directly in the home.

PERSONAL CARE OCCUPATIONS: People in personal care occupations provide services related to personal appearance, and hygiene for both humans and animals. They help people with a variety of needs including personal services. *Employment Opportunities:* Job turn over is high creating many openings. Pay is often low, but it is an area seeing an increase in opportunities. The recreation and fitness areas are seeing growth and new interest and more leisure time is found.

PROTECTIVE SERVICE OCCUPATIONS: People in the protective service occupations are responsible for guarding all types of property and for the safety of people as established by law. *Employment Opportunities:* The outlook varies. Private industry demand is greater than governmental demand. There is great demand and need for government jobs, but funding often falls short and causes stiff competition. Many persons find employment in this field with a branch of the military.

SOCIAL SERVICE, SOCIAL RESEARCH & EDUCATIONAL OCCUPATIONS: Workers in social service, social research and educational occupations provide direct service to people. Their main role is to encourage other people to reach their fullest human potential. *Employment Opportunities:* This is a growing part of the economy, but expansion often depends on economic progress and stability. Occupations working with small children, school children, and the elderly show the greatest demand

Entry Level Careers

Animal Caretakers
Animal Control Workers
Bartenders
Body Guards
Crossing /Safety Guards
Child Care Workers
Domestic Service Workers
Fitness Instructors
Janitors/Custodians
Maids
Nannies
Recreational Attendants
Recreation Guides
Security Guards
Social/Human Services Assistants
Social Service Aides
Skilled Level Careers
Adult Vocations Teachers
Animal Breeders
Animal Trainers
Barbers
Coaches and Sport Instructors
Cosmetologists/Hairstylists
Corrections Officers
Detectives and Investigators
Employment Interviewers/Screeners
Financial Counselors
Firefighters
Fitness Instructors
Government Benefits Interviewers
Manicurists
Massage Therapists
Police/Law Enforcement Officers
Pre-School Teachers
Security Guards
Sheriff's Deputies
Teacher Assistants/Para-educators

Professional Careers

Adult Vocational Teachers
Air Traffic Controllers
Clergy
Coaches and Sport Instructors
Counselors
Educational Administrators
Elementary School Teachers
Farm Management Advisors
Health Services Administrators
High School Teachers
Historians
Instructional Coordinators

Judges and Hearing Officers
Law Clerks
Lawyers/Attorneys
Librarians
Loan Officers
Park Rangers and Naturalists
Personnel Recruiters & Managers
Political Scientists
Preschool/Kindergarten Teachers
Probation Officers
Psychologists
Rehabilitation Counselors
Residential Counselors
Social/Community Service Managers
Social Workers
Special Education Teachers
University/College Teachers

Technical & Industrial Careers: Physically Active Careers

Interest Areas: Mechanical, Outdoor, Inventive, Realistic

Careers in this pathway include a wide variety of occupations in which individuals prefer activities that require working with objects, tools, machines, computers, and animals. This pathway is for students who enjoy: working with machinery tools, putting together models, repairing items, building things and generally working with their hands. Many of the occupations involve working outdoors.

This pathway has many career opportunities that require less than a four year college degree. In fact many can be obtained by skills learned in a trade or technical college or specialized vocational community college programs that are one to two years in length. Apprenticeship and Military training are other pathways to obtain some of these careers. Entry level may also involve on the job training.

BUILDING MAINTENANCE OCCUPATIONS: People in building maintenance occupations clean, repair, and maintain the interior and exterior of buildings such as schools, office buildings, and housing complexes. *Employment Outlook:* Many job openings due to low pay. There are generally more jobs open than people who are looking for them.

CONSTRUCTION OCCUPATIONS: People in construction occupations usually have specialized skills which they use when working with people from other building trades. They may build and maintain roads, houses, office buildings and other structures. *Employment Outlook:* Demand for workers depends on the strength of the economy and levels of new construction and remodeling. Unions restrict the number of people who can enter most fields. Competition for apprentice programs is stiff. Seasonal work is common.

FOOD PROCESSING OCCUPATIONS: People food processing occupations clean, sort, and pack food, convert raw food into bread and pastry, package fish, meats, canned fruits, vegetables and beverages. *Employment Outlook:* The overall outlook is fair. Some occupations are seasonal. Slow growth and low turnover are predicted in this area.

MECHANICS OCCUPATIONS: People in mechanics occupations use specialized mechanical skills to repair and maintain automobiles, power equipment, and other mechanical devices. *Employment Outlook:* Mechanics continue to be in demand with some competition for jobs. However, people must continue to upgrade skills and be able to use advancements in technology and computers. More occupations are expected in electronics and computer repair. Competition is moderate.

METALWORKING OCCUPATIONS: People in metalworking occupations use specialized tools and machines to shape metal gears, cylinders, heating ducts, auto bodies, and assemble parts. *Employment Outlook:* Outlook is mixed and depend on economic stability. Some areas have a surplus of workers. Computer controlled machinery occupations are common. Even apprenticeship programs seek candidates with some technical skill.

OTHER PRODUCTION OCCUPATIONS: People in other production occupations possess specialized skills which they use in a variety of industries to produce goods and services. Most work with equipment and tools in a production process. *Employment Outlook:* Opportunities vary in each job category. A positive outlook depends on economic growth.

TEXTILE/APPAREL OCCUPATIONS: People in this group manufacture, clean, and repair clothing and other products made of fabric, rubber, fur, and leather. Use of machinery is common. *Employment Outlook:* The outlook is mixed. Some employment increases are anticipated because of population growth. Occupations involving industrial machinery is on the decline due to automation. Turnover is high in some areas due to low wages. The competition for jobs is low.

TIMBER PRODUCTS OCCUPATIONS: People in timber products occupations work with wood in various stages of production. *Employment Outlook:* Jobs in this area are declining. Outlook is extremely limited and considered a poor choice. Job openings are often effected by supply of timber available for processing. New machinery are replacing jobs. Most jobs are seasonal.

TRANSPORTATION OCCUPATIONS: People in transportation occupations operate transportation equipment to move freight and passengers, either directly as a pilot or driver or indirectly as controllers. *Employment Outlook:* Some occupations will grow steadily as the state population increases and more people rely on mass transit. Demand to transport goods will be steady or grow slightly. Competition for jobs is stiff because many people enjoy the travel opportunities.

Entry Level Careers

Ag Graders/Sorters
Ambulance Drivers
Auto Glass Installers
Auto Stereo Installers
Bookbinders
Bulldozer Operators
Bus Drivers
Clothes Pressers
Commercial Fishers
Construction Workers
Copy Machine Operators
Deckhands
Drywallers
Electrician Helpers
Farm/Ranch Workers
Fast Food Cooks

Fence Builders
Floor Sanders
Food Service Workers
Food Processing Workers
Forestry Workers
Forklift Operators
Freight Handlers
Gem Cutters
Hazardous Materials Workers
Heavy Truck Drivers
Highway Maint. Workers
Hoist/Winch Operators
Insulation Installers
Janitors
Landscapers/Groundskeepers
Laundry/Dry Cleaners
Loggers
Maids/Housekeepers
Meat Cutters
Med. Appliance Techs
Metal/Plastic Workers
Movie/Stage Grips
Movie Projectionists
Nursery Workers
Packaging Workers
Painters
Paving Workers
Pest Control Workers
Photo Processors
Pipe Layers
Printing Workers
Quality Control Workers
Rock Splitters
Roofers
Roustabouts
Saw Operators
Semiconductor Processors
Septic Services Worker
Sewing Machine Operators
Shoe Repairers
Short Order Cooks
Stock Clerks
Subway Operators
Taxi Drivers/Chauffeurs
Textile Workers
Tile Setters
Tire Repairers
Train Crew Members
Trash Collectors
Vehicle Cleaners/Detailers
Vehicle Painters
Wallpaper Hangers

Watch Repairers

Skilled Level Careers

Agriculture Inspectors
Aircraft Mechanics
Airplane Assemblers
Appliance Repairers
Auto Body Repairers
Auto-Teller Servicers
Automobile Mechanics
Bakers
Bicycle Repairers
Boilermakers
Bricklayers/Stone Masons
Broadcast Technicians
Bus/Truck Mechanics
Cabinet Makers
Camera/Photo Repairers
Carpenters
Cement Masons
Chefs/Diner Cooks
Chemical Plant Workers
Coin/Vending Servicers
Commercial Divers
Communications Repairers
Computer Repairers
Computer Networkers
Construction Inspectors
Cost Estimators
Crane Operators
Dental Lab Technicians
Electric Motor Repairers
Electricians
Elevator Servicers
Embalmers
Engineering Technicians
Explosives Workers
Farm Equipment Mechanics
Forestry Technicians
Furniture Finishers
Gas/Oil Technicians
Glaziers
HVAC System Mechanics
Heavy Equipment Mechanics
Home Electronics Repairers
Indust. Electronic Repairers
Indust. Machinery Mechanics
Line Installers
Locksmiths
Locomotive Engineers
Machinists

Medical Equipment Repairers
Millwrights
Motorboat Mechanics
Motorcycle Mechanics
Musical Instrument Repairers
Ortho/Prosthetic Specialists
Plasterers
Plumbers/Pipefitters
Power Plant Operators
Precision Assemblers
Pump Repairers
Riggers
Sheet Metal Workers
Ship Engineers
Small Engine Mechanics
Sound Technicians
Stationary Engineers
Structural Metal Workers
Tailors
Tool/Die Makers
Tool Repairers
Upholsters
Water Treatment Operators
Wine Technicians

Professional Occupations: In this pathway, few occupations require candidates to complete a 4 year college degree, masters or doctorate level degree. Nearly all careers in this pathway can be obtained with less than a 4-year degree or certification. If interested in professional level Technical and Industrial careers or in college related study, please refer to the Scientific, Engineering and Health Pathway.