

### 2022~2027 Targeted Occupations

- Typical Occupation Education: HS=High School, PS=Post-Secondary, A=Associate, B=Bachelor's, M=Masters, OJT= On the Job Training
- Regional Earnings: Annual Entry and Annual Median
- Emerging and Evolving Wages often vary extensively and therefore are not listed

## AGRICULTURE FOOD & NATURAL SCIENCE

**Veterinary Technicians/Technologists:** Perform medical tests in a laboratory environment for use in the treatment and diagnosis of diseases in animals. Prepare vaccines and serums for the prevention of diseases. Prepare tissue samples, take blood samples, and execute laboratory tests, such as urinalysis and blood counts. Clean and sterilize instruments and materials and maintain equipment and machines. May assist a veterinarian during surgery. (A) \$23,507/\$48,424

## ARCHITECTURE & CONSTRUCTION

**Architects:** Plan and design houses, factories, office buildings, and other structures. (\*B) \$57,099/\$73,254

**Electricians:** Read blueprints, design, and install electrical wiring and equipment in all phases of construction. (HS + Apprentice) \$28,776/\$66,516

**Heating/AC Technicians:** Climate control professionals who design operate and maintain heating and cooling systems. (HS+ Apprentice) \$22,531/\$66,980

**Maintenance & Repair Workers General:** Keep machines, mechanical equipment, and/or structure of an establishment in repair. (HS) \$37,763

**Operating Engineers Heavy Equipment:** Operate construction equipment, such as motor graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete or another hard surface pavement. May repair and maintain equipment. (HS+OJT) \$30,395/\$56,023

**Plumbers/Pipefitters/Steamfitters:** Assemble, install, alter, and repair pipe systems that carry water, steam, air, or other liquids or gases. (HS+5 yr.) \$27,420/\$70,650

**Surveying and Mapping Technicians:** Perform surveying and mapping duties, often through the use of drones and usually under the direction of an engineer, surveyor, cartographer, or photogrammetrist to obtain data used for construction, mapmaking, boundary location, mining, or other purposes. May calculate mapmaking information and create maps from source data, such as surveying notes, aerial photography, satellite data, or other maps to show topographical features, political boundaries, and other features. (HS) \$26,835/\$64,602

**Welders/Cutters/Solders/Brazers:** Work in Construction and Manufacturing. Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products. (HS+OJT) \$27,600/\$64,602

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## BUSINESS, MARKETING & FINANCE

**Accountants & Auditors:** Examine, analyze, and interpret accounting records to advise and/or prepare financial and budgetary data for individuals or businesses. (B) \$49,375/\$127, 551

**Human Resources Specialists:** Recruit, screen, and interview job applicants and place newly hired workers in jobs. They also may handle compensation and benefits, training, and employee relations (B) \$51,644/\$65,432

**Insurance Claims and Policy Processing Clerks:** Process new insurance policies, modifications to existing policies, and claims forms. Obtain information from policyholders to verify the accuracy and completeness of information on claims forms, applications and related documents, and company records. Update existing policies and company records to reflect changes requested by policyholders and insurance company representatives. (A) \$30,574/\$61,179

## EDUCATION & TRAINING

**Elementary Teachers:** Teach basic academic, social, and other formative skills. (B) \$58,771/\$75,771 (Differs by district)

**Secondary Teachers:** Teach students one or more subjects, such as English, mathematics, or social studies at the secondary level in public or private schools. May be designated according to subject matter specialty. (B) \$48,305/\$79,013 (Differs by district)

## HEALTH SCIENCE

**Dental Hygienists:** Examine patients for signs of oral diseases, such as gingivitis, and provide preventive care, including oral hygiene. (A) \$73,884/\$83,257

**Licensed Practical and Vocational Nurses:** Care for ill, injured, convalescent, and handicapped persons in hospitals, clinics, private homes, and similar institutions. (PS) \$40,133/\$67,701

**Medical Assistants:** Perform administrative and certain clinical duties under the direction of a physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding information for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by a physician. (A) \$24,937/\$44,114

**Medical Clinical Laboratory Technologists & Technicians:** Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease. May train or supervise staff. (B) \$31,245/\$82,255

**Medical Records & Health Information Techs:** Compile, process, and maintain medical records of hospital and clinic patients in a manner consistent with medical, administrative, ethical, legal, and regulatory requirements of the health care system. Process, maintain, compile, and report patient information for health requirements and standards in a manner consistent with the healthcare industry's numerical coding system. (PS) \$26,555/\$69,613

**Nursing Assistants Certified:** Provide basic patient care under the direction of nursing staff. Perform duties such as feeding, bathing,

dressings, grooming, or move patients, or changing linens. May transfer or transport patients. Includes nursing care attendants, nursing aides, and nursing attendants. (HS) \$21,129/\$37,994

**Patient Care Technicians Certified:** Doctors, nurses, and other healthcare professionals rely on Patient Care Technicians to assist with the critical day-to-day care some patients require. This may include anything from bathing and feeding patients to performing EKGs, blood draws, or assisting physicians with procedures. (HS) \$21,768/\$34,370

**Physical Therapist Assistants:** Assist physical therapists in providing physical therapy treatments and procedures. May, in accordance with state laws, assist in the development of treatment plans, carry out routine functions, document the progress of treatment, and modify specific treatments in accordance with patient status and within the scope of treatment plans established by a physical therapist. Generally, requires formal training. (\*A) \$62,62,004/\$78,359

**Radiologic Technologists:** Take x-rays and CAT scans or administer nonradioactive materials into the patient's bloodstream for diagnostic purposes. Includes technologists who specialize in other scanning modalities. (A) \$30,387/\$47,524

**Registered Nurses/BSN Nurses:** Administer care to ill or injured persons in hospitals, clinics, private homes, and similar institutions. (B) \$53,543/\$100,076

**Respiratory Therapist:** Assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities, including the supervision of respiratory therapy technicians. Initiate and conduct therapeutic procedures; maintain patient records; and select, assemble, check, and operate the equipment. (A) \$48,414/\$79,423

## HOSPITALITY AND TOURISM

**Chefs and Head Cooks:** Oversee the daily food preparation at restaurants and other places where food is served. (HS+ Several years' experience) \$35,634/\$112,513

**Food Service Managers:** Responsible for the daily operation of restaurants or other establishments that prepare and serve food and beverages. (HS+ Several years' experience) \$35,783/\$77,141

## INFORMATION TECHNOLOGY

**Computer Network Analysts /Architects:** Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. Perform network modeling, analysis, and planning. May also design network and computer security measures. May research and recommend network and data communications hardware and software. \*B, \$74,236/\$183,389

**Computer Support Specialists:** Provide technical assistance to computer users. May aid concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems. (PS) \$30,290/\$70,578

**Computer Systems Analysts/Architects:** Analyze science, engineering, business, and all other data processing problems for application to electronic data processing systems. (B) \$55,887/\$145,473

**Database Architects:** Database architects work closely with software designers, design analysts, and others to create comprehensive databases that may be used by hundreds, if not thousands, of people. They begin by studying the needs of their employer, then will assess the current data infrastructure and have discussions with employees and users to determine where changes in the database need to be made. (B) \$56,781-\$139,331

**Information Security Analysts including Cybersecurity:** Use information technology (IT) to advance their organization's goals. Security analysts ensure a firm's information stays safe from cyber-attacks. (B) \$64,493/\$164,047

**Cybersecurity Analysts:** Keep constant tabs on threats and monitor their organization's network for any potential security vulnerabilities. Using information collected from threat monitoring tools and other sources, they identify, analyze, and report on events that have occurred or may occur on the network. (B) \$64,493/\$164,047

**Network & Computer Systems Administrators:** Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Monitor network to ensure network availability to all system users and may perform necessary maintenance to support network availability. May monitor and test Web site performance to ensure Web sites operate correctly and without interruption. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures. (B) \$56,022/\$132,135

**Software Developers, Applications:** Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions. (B) \$86,311/\$09,897

**Software Quality Assurance Analysts & Testers:** Apply principles and techniques of computer science, engineering, and mathematical analysis to research, design, develop, and test operating systems-level software, compilers, and network distribution software. (B) \$65,815/\$162,525

## LAW AND PUBLIC SERVICE

**Emergency Medical Techs. & Paramedics:** First responders in the event of medical emergencies such as car accidents, childbirth, violent traumas, heart attacks, and accidents. (PS) \$24,037/\$55,234

**Firefighters:** Control and suppress fires, often first responders to accidents and medical emergencies. (PS) \$34,912/\$84,305

**Paralegals and Legal Assistants:** Assist lawyers by investigating facts, preparing legal documents, or researching legal precedent. Conduct research to support a legal proceeding, to formulate a defense, or to initiate legal action. \*A, \$49,080/\$100,971

**Police & Sheriff's Patrol Officers:** Maintain order, and enforce laws and ordinances. Patrol, direct traffic, issue summons, investigate, apprehend, and arrest. (PS) \$47,632/\$95,611

## MANUFACTURING

**Robotics Engineers Research,** design, develop, or test robotic applications. \*B, \$61,189/\$165,231

**Welders,** (See Construction)

## SCIENCE, TECHNOLOGY, ENGINEERING, MATH (STEM)

**Biomedical Technicians:** Evolving Occupation - Apply knowledge of engineering, biology, and biomechanical principles to the design, development, and evaluation of biological and health systems and products, such as artificial organs, prostheses, instrumentation, medical information systems, health, and care delivery systems.  
\*A, \$55,508/67,238

**Civil Engineers:** Perform engineering duties in planning, designing, and overseeing construction and maintenance of building structures, and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, and water and sewage systems. (B) \$55,753/\$170,468

**Electrical Engineers:** Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use. (B) \$66,347/\$159,532

**Electrical Engineering Technicians:** Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, adjust, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions. \*  
A, \$39,334/\$111,794

**Industrial Engineers:** Design, develop, test, and evaluate integrated systems for managing industrial production processes, including human work factors, quality control, inventory control, logistics, and material flow, cost analysis, and production coordination. (B) \$64,054/\$149,669

**Mechatronics Engineers/Technicians/Operators:** A multidisciplinary field that combines several types of engineering—electrical, computer, and mechanical—and refers to the skill sets needed in the contemporary, advanced automated manufacturing industry. At the intersection of mechanics, electronics, and computing, mechatronics specialists create simpler, smarter systems. (B-A-HS) \*\$61,189/\$165,231

**Robotics Engineers/Technicians/Operators:** Research, design, develop, or test robotic applications. (A-HS) \$61,189/\$165,231

## TRANSPORTATION, DISTRIBUTION & LOGISTICS

**Automotive Body Repairer:** Use special equipment and technology to restore damaged metal frames and body sections. (HS) \$22,901/\$87,386

**Automotive Service Technicians:** Adjust, repair, and overhaul automotive vehicles using computer diagnostic equipment (HS) \$20,775/\$64,449

**Automotive Service Technicians:** Adjust, repair, and overhaul automotive vehicles using computer diagnostic equipment (HS) \$20,775/\$64,449

**Diesel Engine Technicians:** Repair and maintain trucks, buses, and heavy equipment using computer diagnostic equipment. (HS) \$32,920/\$83,774

**Transportation, Storage, and Distribution Managers:** Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with organizational policies and applicable government laws or regulations. Includes Logistics Managers. \$74,363/\$131,010

## EMERGING AND EVOLVING OCCUPATIONS

### EMERGING and EVOLVING OCCUPATIONS

- Emerging Occupations are new to the workforce with new titles, responsibilities and titles
- Evolving Occupations are traditional occupations whose knowledge, skills and abilities have changed or evolved
- Education requirements may vary by employer
- Wages often vary and are not listed

**Advanced Manufacturing Engineers: Emerging Occupation:** Use of innovative technologies to create existing products and the creation of new products. Advanced manufacturing can include production activities that depend on information, automation, computation, software, sensing, and networking. (\*B)

**Cloud Computing Architects:** Emerging Occupation – Understand the basics of enterprise architecture, and how to configure IT assets around the needs of the business. Need an expert understanding of SOA. Must be an expert in public, private, and hybrid cloud computing technology, including IaaS, PaaS, and SaaS. (B)

**Data Scientists:** Emerging Occupation - Data scientists work in all kinds of roles from large corporations to lean startups. Data scientists might help policymakers develop better decisions, or they might work in finance or healthcare. Data scientists are technically proficient and often use a number of computer code languages to compile and synthesize data. A background in advanced statistics and intermediate to advanced levels of programming skill are required. Depending on the field, data scientists also have to be creative to interpret and visualize data expressions. (B)

**Drone Operators & Remotely Piloted Unassisted Air Vehicle Technician:** Emerging Occupation - The use of drones and the technicians who repair them, is still emerging, industry standardization is evolving at this point. FAA Rules determine usage, licensure, and certification which includes the FAA Part 107 License to fly professionally. (HS)

**Environmental Engineering Technicians:** Emerging Occupation - Conduct research or perform an investigation to identify, abate, or eliminate sources of pollutants or hazards that

affect either the environment or the health of the population utilizing knowledge of various scientific disciplines. (B)

**Genetic Counselors:** Emerging Occupation - Assess individual or family risk for a variety of inherited conditions, such as genetic disorders and birth defects. Provide information to other healthcare providers or individuals and families concerned with the risk of inherited conditions. Advise individuals and families to support informed decision-making and coping methods for those at risk. May help conduct research related to genetic conditions or genetic counseling. (B)

**Infrastructure Integration Specialist:** Emerging Occupation -Works with computer systems to facilitate clear communication software, applications, and hardware over a variety of networks. They usually work for large companies that have extensive computer networks and very high technology needs. (B)

**Materials/Smart Materials Analysts/Engineers:** Emerging Occupation Work with materials having a molecular structure that responds in a particular and controlled way to influences upon it ranging from magnetically changed materials, to "memory" molecules that return to their original form, to materials that generate an electric charge when pressed, twisted, or warped. (B)

**Remote Sensing Technicians/MEMS & Microelectronics:** Emerging Occupation - Microelectronics – microchips, microcircuits – are very small electronic components that are driving the development of smaller devices. They are changing how we work, how we communicate, and how we are entertained. Microelectronics are used in innovative products everywhere, including the next generation of mobile and Internet of Things devices, enabling smarter driving, smarter factories, cities, and homes. (B)

**Robotics Technicians – Electro-Mechanical Technicians:** Emerging Occupation - Install, program, and repair robots and related equipment, such as programmable controllers, robot controllers, end-of-arm tools, and conveyors. Robot manufacturers, assist in design and configuration. (B)

**Solar photovoltaic (PV) installers** assemble, set up, and maintain rooftops or other systems that convert sunlight into energy. (\*HS, Technical Training, and OJT)

**Virtual Reality Engineers:** Emerging Occupation - Includes the use of 3D modeling tools and visualization techniques as part of the design process. This technology enables engineers to view their project in 3D and gain a greater understanding of how it works. Plus, they can spot any flaws or potential risks before implementation. (B)



 North Central Texas InterLink, Inc.  
A Texas Model Program

## INTERLINK

2022~2027

## TARGETED OCCUPATIONS

Identified by North Central  
Texas Employers



*The absence of an occupation on this list does not necessarily preclude it from viable career opportunities.*

*Labor market conditions can change rapidly, therefore it is important to validate this information prior to making career decisions.*