

Mechanical & Industrial Engineers: Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair of equipment and systems. 4-10 yrs. - \$29.06/39.98



Automotive Body Repairer: Use special equipment and technology to restore damaged metal frames and body sections. 2- 4 yrs. - \$11.58/18.00

Automotive Technicians: Adjust, repair, and overhaul automotive vehicles using computer diagnostic equipment. 2-4 yrs. - \$12.59/19.49

Diesel Engine Technicians: Repair and maintain trucks, buses and heavy equipment using computer diagnostic equipment. 2-4 yrs. - \$13.53/19.01

Transportation, Distribution & Managers (Cargo/Freight): Monitor inventory levels, planning, directing distribution, and customer relations. 2-4 yrs. - \$25.14/41.42

Truck Drivers, Heavy: Drives 3+ ton trucks; prepares paperwork; collects payments for goods delivered. 3-6 mos. - \$13.05/19.15

Emerging and Evolving Occupations Projected to Offer Future Employment Opportunities in North Central Texas
Emerging Occupations are new occupations in the workforce with new titles and new skills.
Evolving Occupations are traditional occupations whose knowledge, skills, and abilities have changed or evolved.
 (A) \$9.00-10.00 per hour ~ (B) \$10.00-15.00 per hour
 (C) \$15.00-20.00 ~ (D) 20.00+ per hour
 Wages listed are expected median hourly
 Education is that which is expected to be required

Advanced Digital Manufacturing (ADM) Technicians: Emerging Occupation - New technical breakthroughs for the pre-existing process for forming a product using a layered manufacturing process. Every ADM system consists of two parts: 1) a computer aided design system and 2) a layered manufacturing machine capable of producing a part in successive layers according to instructions from the CAD system. 2-4 yrs. - (B-C)

Composite Technicians (Bond Assembler): Evolving Occupation - Work with metals, ceramics, plastics, semiconductors, and combinations of materials called composites to create new materials that meet certain mechanical, electrical, and chemical requirements. New developments within composite materials make it possible to manipulate, use and study materials at an atomic level using advanced processes to replicate their characteristics and components with computers. OJT-2 yrs. - (B-C)

Computer & Digital Forensics Technicians: Emerging Occupation - The science of conducting investigations related to computer crimes and abuse in a manner that is legally sound and reproducible. Using specialized hardware and software tools, computer forensics technicians gather evidence about all kinds of activity including fraud, embezzlement, child pornography, and intellectual property misappropriation. 2 yrs. - (B-C)

Computer Security Specialists: Emerging Occupation - Plan, coordinate, and implement security measures to prevent unauthorized modification, destruction, or disclosure of information. Regulate users' access to computer data files and erect firewalls to keep out tainted digital

transfers. Use encryption coding to conceal confidential information as it is being transmitted. 4-10 yrs. - (B-C)

Convergence Technology Specialists/Technicians: Emerging Occupation - Combines telephony, data networking, voice over IP and hand held devices, to solve real problems. Includes Home Technology Technicians who handle the multiple technologies needed in a home or small office environment and in large businesses who are merging legacy voice and data systems with voice over IP, wireless, etc. all in a secure environment. 2-4 yrs. - (C-D)

Data Mining Technicians: Emerging Occupation - Research and problem solve by burrowing through gigabytes of information in search of unanticipated patterns. 1-2 yrs. - (B-D)

Environmental Scientists & Specialists: Emerging Occupation - Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population. Utilizing knowledge of various scientific disciplines. 4-10 yrs. - (C-D)

Gaming/Computer Simulation Technicians: Emerging Occupation - Create 2D/3D animation through the use of high-end software for a variety of industries including entertainment, advertising and corporate communications. Advancing toward network dependent interfaces/environments. Technology is evolving the concepts of cyberspace, media, computer mediated communication and education technology. 2-4 yrs. - (C-D)

Micro-electromechanical Systems (MEMS) Technicians: Emerging Occupation - Miniaturized, self-contained systems that integrate electrical and mechanical functionality allowing them to gather and process information, decide on a course of action and control the surrounding environment. Will have a significant effect on the development of "intelligent" products in a wide range of industries including scientific, consumer goods, defense, aerospace, medical and healthcare. 2 yrs. - (B-C)

Nanotechnology Technician: Emerging Occupation - Operate and service microscopy equipment capable of characterizing nanostructures. Must have extensive background in materials science and optics. 2-4 yrs. (B-C)

Nurse Practitioner: Evolving Occupation - Provide medical care to patients in hospitals and other healthcare facilities. Responsible for recording and analyzing a patient's history, performing physical exams, ordering diagnostic tests, prescribing physical therapy and other similar tasks. There are many specialties available. 2-10 yrs. - (C-D)

Robotics Technicians: Emerging Occupation - Robotics technicians (automated) install, program, and repair robots and related equipment, such as programmable controllers, robot controllers, end-of-arm tools, and conveyors. Specific duties include inspecting installation sites, positioning the robots using hydraulic tools, attaching wires between controllers, programming the robots to perform specific tasks, and testing electronic circuitry. Those that work for robot manufacturers, also assist in design and configuration. 2-4 yrs. - (B-D)

Social Media Architect: Drives the operations responsible for creating and executing social media programs to build the brand and increase business. Oversees all content creation, including written and video, execution of custom social media marketing plans and offers social tools for public and private clouds that redefine the role of social media for business. This creates a demand for IT pros with the specialized

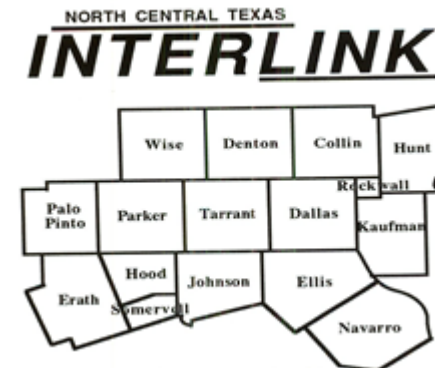
knowledge to build secure communities within a business network and between businesses and customers. 4-10 yrs. - (B-D)

Solar Photovoltaic (Electric) Installer: Emerging Occupation -The ideal candidate will have some construction experience, especially knowledge of basic electrical wiring with experience as a solar electric installation desirable but not required. Most likely to evolve from solar trained Electrician. - (C-D)

Solar Thermal Installers & Technicians (SOC: 47-4099.02): Emerging Occupation - Install or repair solar energy systems designed to collect, store, and circulate solar-heated water for residential, commercial or industrial use. Most likely evolve from solar trained Plumber or HVAC Technician - 2-10 yrs. - (C-D)



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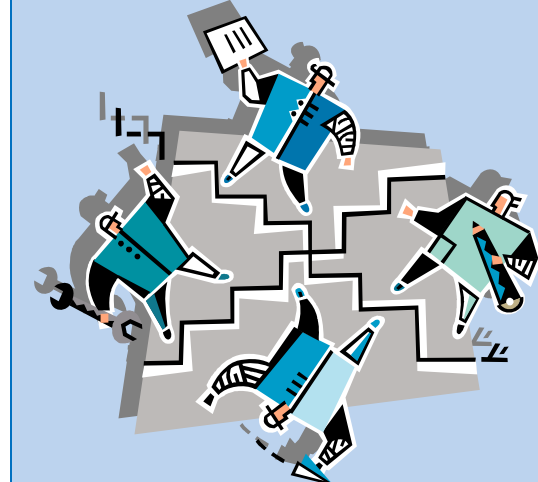


InterLink

2011~2016

Targeted Occupations

Identified by Regional Employers For Employment Growth Potential




The information included in this document is intended to be used as a guideline for high skill, high wage, and high demand occupational opportunities in North Central Texas. The occupations listed in this document are pertinent to the North Central Texas Region and may not be pertinent to other areas of the state or nation. The absence of an occupation on this list does not necessarily preclude it from viable career opportunities.

Labor market conditions change very rapidly, therefore, it is important to validate this information prior to making career choices or career program decisions.

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candy@interlink-ntx.org
www.interlink-ntx.org

2011~2016 InterLink Targeted Occupations Identified as high demand by regional employers

Education time is the minimum required for entry level to the highest expected degree. .Wages are regional entry level hourly & regional average hourly.
The absence of an occupation from this list does not necessarily indicate that it will not offer good job opportunities



Agriculture, Food & Natural Products Careers

Veterinary Technicians & Technologists: Assist Veterinarian and perform medical tests in a laboratory environment for use in the treatment and diagnosis of diseases in animals. OJT-2 yrs. - \$11.61/13.93



Architecture & Construction Careers

Carpenters: Build or repair structures using blueprints sketches or building plans. 2-4 yrs. - \$11.31/15.43

Computer Aided Design (CAD): Prepare sketches of ideas, detailed drawings, illustrations, artwork, or blueprints, using computer-aided design equipment. 2-4 yrs. - \$13.42/21.04

Electricians: Read blueprints, design, and install electrical wiring and equipment in all phases of construction. 2-10 yrs. - \$15.15/20.08

Heating/AC Technicians: Climate control professionals that design operate and maintain heating and cooling systems. 1-5 yrs. - \$13.86/19.62

Maintenance Repairers, General Utility: Keep machines, mechanical equipment, and/or structure of an establishment in repair. OJT-4 yrs. - \$10.20/15.96

Plumbers/Pipefitters/Steamfitters: Assemble, install, altar and repair pipe systems that carry water, steam, air or other liquids or gases. 5 yrs. + OJT. - \$14.90/21.80


Welders/Cutters/Solders/Brazers: 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. Certification-4yrs. - \$10.82/16.29



Business Management & Administration Careers

General and Operations Managers: Plan, direct, or coordinate the operations of companies or organizations. 4-10 yrs. - \$26.28/45.76


Sales Managers: Direct the actual distribution or movement of a product or service to the customer. Coordinate sales distribution by establishing sales territories, quotas, and goals and establish training programs for sales representatives. Analyze sales statistics gathered by staff to determine sales potential and inventory requirements and monitor the preferences of customers. 4-10 yrs. - \$28.50/54.82



Education & Training Careers

Teachers, Elementary: Teach basic academic, social, and other formative skills. 4-10 yrs. - \$42,623

Teachers, Secondary/Vocational: Instruct in one or more high school subjects such as English, mathematics, social studies, vocational programs, according to subject matter specialty. 4-10 yrs. - \$43,990




Finance Careers

Accountants, Auditors, & Bookkeepers: Examine, analyze, and interpret accounting records to advise and/or prepare financial and budgetary data for individuals or businesses. 4-10 yrs. - \$19.74/32.76

Bookkeeping, Accounting, Auditing Clerks: Compute, classify, and record numerical data to keep financial records complete. Perform any combination of routine calculating, posting, and verifying duties to obtain primary financial data for use in maintaining accounting records. OJT-4 yrs. - \$11.78/16.80

Financial Analysts: Conduct quantitative analyses of information affecting investment programs of public or private institutions. 4-10 yrs. - \$24.85/45.53



Health Science Careers

Dental Hygienists: Clean teeth and examine oral areas, head, and neck for signs of oral disease. May educate patients on oral hygiene, take and develop X-rays, or apply fluoride or sealants. 2yrs. - \$27.67/33.86

Medical Assistants: Perform administrative clinical duties directed by the physician including scheduling appointments, maintaining medical records, billing, and coding 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 physician. OJT-2yrs. - \$10.96-17.96

Medical & Clinical Lab Technician & Technologists: Perform tests for the detection, diagnosis, and treatment of disease. Technician – 2 yrs., Technologist – 4 yrs. - \$19.64/26.02

Medical Records/Health Information Technicians: Compile, process, and maintain medical records of hospital and clinic patients. 2-4 yrs. - \$10.33/14.30

Nurses - Licensed Practical and Vocational: Care for ill, injured, convalescent, and handicapped persons in hospitals, clinics, private homes, and similar institutions. (Note: Many hospitals are moving away from LVN's and hiring RN's & BSN's.) 2 yrs. - \$18.88/19.12

Nurses - Registered Nurses: Administer care to ill or injured persons in hospitals, clinics, private homes, and similar institutions. 4-10 yrs. - \$23.86/31.32

Occupational Therapists: Assess, plan, organize, and participate in rehabilitative programs that help restore vocational, homemaking, and daily living skills, as well as general independence, to disabled persons. 4-10 yrs. – 426.94/37.41

Occupational Therapist Assistants: Assist Occupational Therapist in development of treatment plans, carry out routine functions, direct activity programs, and document the progress of treatments. 2 yrs. - \$22.34/30.72

***Patient Care Technicians (Certified) (Also Nurse Assistants/Nurse Aides & Orderlies):** Provide basic patient care under direction of nursing staff. OJT-Certification - \$8.25/10.38

Pharmacists: Fill prescriptions and act as member of primary health team. 6-10 yrs. - \$46.93/55.46

***Pharmacy Technicians:** Work under supervision of licensed pharmacists to perform technical and clerical duties of the pharmacy including filling prescriptions. 2 yrs. - \$11.8/14.60

Physical Therapists: Assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and decrease or prevent deformity of patients suffering from disease or injury. 4-10 yrs. - \$11.48/14.60

Physical Therapist Assistants: Assist physical therapists in providing physical therapy treatments and procedures. 2- yrs. - \$18.46/28.49

Physicians: Diagnose, treat, and help prevent diseases and injuries that commonly occur in patients. 6-10 yrs. -\$34.84/80.00

Radiologic Technologists & Technicians: Use diagnostic imaging to take X-rays and CAT scans or administer nonradioactive materials into patient's blood stream for diagnostic purposes. Include technologists who specialize in other modalities, such as computed tomography and magnetic resonance. 2-4 yrs. - 20.82//27.34

Surgical Technicians/Technologists: Assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel. May help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons and surgeon's assistants, hold retractors, cut sutures, and help count sponges, needles, supplies, and instruments. OJT-2yrs/ - \$14.03-20.04



Hospitality & Culinary Careers

Chefs and Head Cooks: Plan, price, direct and/or prepare foodstuffs in restaurants. 2-4 yrs. - \$13.42/19.24

Food Service Managers: Plan, direct, or coordinate activities of an organization or department that serves food and beverages. 2-4 yrs. - \$17.50/23.97




Information Technology Careers

Computer Support Specialists: Provide technical assistance to computer system users in person or remotely including the use of computer hardware and software. 2-4 yrs. - \$13.45/21.25

Computer Systems Analysts: Analyze science, engineering, business, and all other data processing problems for application to electronic data processing systems. May analyze or recommend commercially available software. 4 yrs. -\$21.81/37.05

Database Administrators: Coordinate changes to computer databases, test and implement the database applying knowledge of database management systems. May plan, coordinate, and implement security measures to safeguard computer databases. 2-4yrs. - \$22.07/32.93

Network & Computer Systems Admin.: Install, configure, and support an organization's local area network wide area network, and Internet system or a segment of a network system. Maintain network hardware and software. Plan, coordinate, and implement network security measures. 4-10 yrs. - \$25/14/34.85




Law, Public Safety, Corrections, & Security Careers

Fire Fighters: Control and extinguish fires or respond to emergency situations where life, property, or the environment is at risk. 2-4 yrs. - \$17.24/22.66

Paralegal/Legal Assistant: Assist lawyers by researching legal precedent, investigating facts, or preparing legal documents. 2-4 yrs. - \$17.62/23.33

Police & Sheriff's Patrol Officers: Maintain order, enforce laws/ordinances. Patrol, direct traffic, issue summons, investigate, apprehend, and arrest. 1-4 yrs. - \$19.30/25.20.39



Manufacturing Careers

Advanced Manufacturing Machinist Technician - includes Computer Numeric Control (CNC): Use machine tools and technology to produce precision products for aerospace parts, automobile parts, machine parts, and compressors. 1-2 yrs. - \$10.70/17



Marketing, Sales & Service Careers

Sales Managers: Formulate marketing policies, direct sales activities, plan, organize, and direct advertising and public relations activities. 4-10 yrs. - \$28.50/54.82



Science, Technology, Engineering & Mathematics Careers

Aerospace Engineers: Perform designing, constructing, and testing aircraft, missiles, and spacecraft including basic and applied research to evaluate adaptability of materials and equipment to aircraft design and manufacture. 4-10 yrs. - \$44.17/45.33

Civil Engineers: Plan, design and oversee construction and maintenance of building structures, and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, water and sewage systems, and waste disposal units. Includes architectural, structural, traffic, ocean, and geo-technical engineers. 4-10 yrs. - \$25.33/36.97

Computer Software Applications Engineers and Systems Software Engineers: Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. 4-10 yrs. - \$31.39/43.68 & \$30.19/39.26

Electrical & Electronic Engineers: Design, develop, test, and supervise the manufacturing and installation of electrical and electronic equipment, components, or systems for 27.87/42.11

Electrical & Electronic Engineering Technicians: Help to design, develop, test, and manufacture electrical and electronic equipment May work in product evaluation and testing. 2-4 yrs. - \$19.63/28.30