

2021 TARGET OCCUPATIONS

IN THE DEEP EAST TEXAS REGION



Business Management & Administration

Bookkeeping, Accounting, and 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. May also check the accuracy of figures, calculations, and posting pertaining to business transactions recorded by other workers.

Annual Avg. Employment Projections (2028): 152,300
Entry Level Educational Requirement: Some college, no degree

Experienced Hourly Wage: \$19.14
Entry Hourly Wage: \$11.60

Education & Information Technology

Preschool Teachers, Except Special Education

Instruct preschool-aged students, following curricula or lesson plans, in activities designed to promote social, physical, and intellectual growth.

Annual Avg. Employment Projections (2028): 278
Entry Level Educational Requirement: Associate's degree

Experienced Hourly Wage: \$22.22
Entry Hourly Wage: \$12.06

Secondary School Teachers, Except Special and Career/Technical Education

Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty transmission towers.

Annual Avg. Employment Projections (2028): 91
Entry Level Educational Requirement: Bachelor's

Experienced Hourly Wage: N/A
Entry Hourly Wage: N/A

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IN THE DEEP EAST TEXAS REGION



Education & Information Technology

Computer Systems Analysts

Analyze science, engineering, business, and other data processing problems to develop and implement solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions, improve existing computer systems, and review computer system capabilities, workflow, and schedule limitations. May analyze or recommend commercially available software.

Annual Avg. Employment Projections (2028): 62,744
Entry Level Educational Requirement: Bachelor's

Experienced Hourly Wage: \$33.36
Entry Hourly Wage: \$23.95

Computer User Support Specialists

Provide technical assistance to computer users. Answer questions or resolve computer problems for clients in person, via telephone, or electronically. May provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems.

Annual Avg. Employment Projections (2028): 230
Entry Level Educational Requirement: Some college, no degree
Experienced Hourly Wage: \$24.80
Entry Hourly Wage: \$14.21

Network and Computer Systems Administrators

Install, configure, and maintain an organization's local area network (LAN), wide area network (WAN), data communications network, operating systems, and physical and virtual servers; Perform system monitoring and verify the integrity and availability of hardware, network, and server resources and systems. Review system and application logs and verify completion of scheduled jobs, including system back-ups. Analyze network and server resource consumption and control user access. Install and upgrade software and maintain software licenses. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software.

Annual Avg. Employment Projections (2028): 39,689
Entry Level Educational Requirement: Bachelor's
Experienced Hourly Wage: \$35.45
Entry Hourly Wage: \$20.43

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Construction

Electrical Power-Line Installers and Repairers

Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty transmission towers.

Annual Avg. Employment Projections (2028): 17
Entry Level Educational Requirement: Post Secondary Certificate

Experienced Hourly Wage: \$32.41
Entry Hourly Wage: \$16.29

Heating, AC, Refrigeration Mechanics/Installers

Install or repair heating, central air conditioning, HVAC, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves.

Annual Avg. Employment Projections (2028): 307
Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$21.81
Entry Hourly Wage: \$13.49

Electricians

Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.

Annual Avg. Employment Projections (2028): 322
Entry Level Educational Requirement: Post Secondary Certificate

Experienced Hourly Wage: \$25.57
Entry Hourly Wage: \$13.30

Operating Engineers and Other Construction Equipment Operators

Operate one or several types of power 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 other hard surface pavement. May repair and maintain equipment in addition to other duties.

Annual Avg. Employment Projections (2028): 394
Entry Level Educational Requirement: Post Secondary Certificate

Experienced Hourly Wage: \$23.17
Entry Hourly Wage: \$15.75

2021 TARGET OCCUPATIONS

IN THE DEEP EAST TEXAS REGION



Health Science

Registered Nurses

Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required.

Annual Avg. Employment Projections (2028): 2,198

Entry Level Educational Requirement: Bachelor's or Associates' degree

Experienced Hourly Wage: \$35.68

Entry Hourly Wage: \$25.75

Pharmacy Technicians

Prepare medications under the direction of a pharmacist. May measure, mix, count out, label, and record amounts and dosages of medications according to prescription orders.

Annual Avg. Employment Projections (2028): 44,252

Entry Level Educational Requirement: Associate's degree

Experienced Hourly Wage: \$18.18

Entry Hourly Wage: \$13.04

Licensed Practical and Licensed Vocational Nurses

Care for ill, injured, or convalescing patients or persons with disabilities in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.

Annual Avg. Employment Projections (2028): 1,324

Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$23.18

Entry Hourly Wage: \$18.86

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 physician.

Annual Avg. Employment Projections (2028): 558

Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$15.32

Entry Hourly Wage: \$10.81

2021 TARGET OCCUPATIONS

IN THE DEEP EAST TEXAS REGION



Health Science

Medical Dosimetrists, Health Technologists and Technicians

Generate radiation treatment plans, develop radiation dose calculations, communicate and supervise the treatment plan implementation, and consult with members of radiation oncology team.

Annual Avg. Employment Projections (2028): 122
Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$21.00
Entry Hourly Wage: \$12.12

Emergency Medical Technicians and Paramedics

Assess injuries and illnesses and administer basic emergency medical care. May transport injured or sick persons to medical facilities.

Annual Avg. Employment Projections (2028): 395
Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$16.51
Entry Hourly Wage: \$10.97

Surgical 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 surgeons' assistants, hold retractors, cut sutures, and help count sponges, needles, supplies, and instruments.

Annual Avg. Employment Projections (2028): 12,005
Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$22.85
Entry Hourly Wage: \$15.35

Nursing Assistants

Provide or assist with basic care or support under the direction of on-site licensed nursing staff. Perform duties such as monitoring of health status, feeding, bathing, dressing, grooming, toileting, or ambulation of patients in a health or nursing facility. May include medication administration and other health-related tasks. Includes nursing care attendants, nursing aides, and nursing attendants.

Annual Avg. Employment Projections (2028): 1,864
Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$12.61
Entry Hourly Wage: \$10.46

2021 TARGET OCCUPATIONS

IN THE DEEP EAST TEXAS REGION



Law, Public Safety, Corrections & Security

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.

Annual Avg. Employment Projections (2028): 5
Entry Level Educational Requirement: Associate's degree

Experienced Hourly Wage: \$24.16
Entry Hourly Wage: \$16.03

Police and Sheriff's Patrol Officers

Maintain order and protect life and property by enforcing local, tribal, state, or federal laws and ordinances. Perform a combination of the following duties: direct traffic; issue traffic summonses; investigate accidents; apprehend and arrest suspects, or serve legal processes of courts. Includes police officers working at educational institutions.

Annual Avg. Employment Projections (2028): 735
Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$27.48
Entry Hourly Wage: \$17.17

Manufacturing & Engineering

Machinists

Set up and operate a variety of machine tools to produce precision parts and instruments out of metal. Includes precision instrument makers who fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts to make or repair machine tools or maintain industrial machines, applying knowledge of mechanics, mathematics, metal properties, layout, and machining.

Annual Avg. Employment Projections (2028): 29,613
Entry Level Educational Requirement: Post Secondary Certificate

Experienced Hourly Wage: \$24.64
Entry Hourly Wage: \$14.58

2021 TARGET OCCUPATIONS

IN THE DEEP EAST TEXAS REGION



Manufacturing & Engineering

Welders, Cutters, Solderers, and 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.

Annual Avg. Employment Projections (2028): 122
Entry Level Educational Requirement: Post Secondary Certificate

Experienced Hourly Wage: \$25.56
Entry Hourly Wage: \$12.12

Drafters, Engineering Technicians, and Mapping Technicians

Perform surveying and mapping duties, usually under the direction of an engineer, surveyor, cartographer, or photogrammetrist, to obtain data used for construction, map-making, boundary location, mining, or other purposes. May calculate map-making 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. May verify accuracy and completeness of maps.

Annual Avg. Employment Projections (2028): 9
Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$19.23-34.13
Entry Hourly Wage: \$8.29-24.87

Transportation, Distribution & Logistics

Automotive Service Technicians and Mechanics

Diagnose, adjust, repair, or overhaul automotive vehicles.

Annual Avg. Employment Projections (2028): 65,328
Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$22.95
Entry Hourly Wage: \$13.08

2021 TARGET OCCUPATIONS

IN THE DEEP EAST TEXAS REGION



Transportation, Distribution & Logistics

Bus & Truck Mechanics & Diesel

Diagnose, adjust, repair, or overhaul buses and trucks, or maintain and repair any type of diesel engines. Includes mechanics working primarily with automobile or marine diesel engines.

Annual Avg. Employment Projections (2028): 34,328
Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$23.30
Entry Hourly Wage: \$14.94

Heavy & Tractor-Trailer Truck Drivers

Drive a tractor-trailer combination or a truck with a capacity of at least 26,001 pounds Gross Vehicle Weight (GVW). May be required to unload truck. Requires commercial drivers' license. Includes tow truck drivers.

Annual Avg. Employment Projections (2028): 2,648
Entry Level Educational Requirement: Post Secondary Non-Degree Award

Experienced Hourly Wage: \$25.48
Entry Hourly Wage: \$14.07

2021 Target Occupations

Occ Code	Occupational Title	Annual Average Employment 2018	Annual Average Employment Projections 2021	Annual Openings due to Growth	2019 Entry Hourly Wage	2019 Experienced Hourly Wage	Education Requirement for Entry Level
BUSINESS MANAGEMENT & ADMINISTRATION							
43-3031	Bookkeeping, Accounting, and Auditing Clerks*	143,878	162,300	132	11.8	19.14	Some college, no degree
EDUCATION & INFORMATION TECHNOLOGY							
15-1211	Computer Systems Analysts*	54,102	82,744	8,083	23.98	33.36	Bachelor's degree
15-1232	Computer User Support Specialists	218	230	19	14.21	24.8	Some college, no degree
15-1244	Network and Computer Systems Administrators*	34,970	39,889	3,078	20.43	35.45	Bachelor's degree
25-2011	Preschool Teachers, Except Special Education	270	279	29	12.06	22.22	Associate's degree
25-2031	Secondary School Teachers, Except Special and Career/Technical Education*	109,180	121,135	91	N/A	N/A	Bachelor's degree
CONSTRUCTION							
49-9051	Electrical Power-Line Installers and Repairers	209	210	17	19.29	32.41	Post secondary certificate
47-2111	Electricians	290	322	38	13.3	25.57	Post secondary certificate
49-9021	Heating, AC, Refrigeration Mechanical Installers	279	307	32	13.49	21.81	Postsecondary nondegree award
47-2073	Operating Engineers and Other Construction Equipment Operators	387	394	47	15.75	23.17	Post secondary certificate
HEALTH SCIENCE							
29-1141	Registered Nurses	2,183	2,198	119	25.75	35.88	Bachelor's degree or Associate's degree
28-2040	Emergency Medical Technicians and Paramedics	357	395	29	10.97	18.51	Postsecondary nondegree award
29-2052	Pharmacy Technicians*	37,240	44,252	17	13.04	18.18	Associate's degree
29-2055	Surgical Technologists *	10,820	12,006	7	15.35	22.85	Postsecondary nondegree award
28-2081	Licensed Practical and Licensed Vocational Nurses	1,301	1,324	102	18.88	23.18	Postsecondary nondegree award
31-1131	Nursing Assistants	1,784	1,884	212	10.48	12.81	Postsecondary nondegree award
31-8092	Medical Assistants	527	558	83	10.81	15.32	Postsecondary nondegree award
28-2000	Health Technologists and Technicians	3,045	3,098	228			Postsecondary nondegree award or college degree
28-2098	Medical Dosimetrists, Medical Records Specialists, Health Technologists and Technicians, All Other	121	122	8	12.12	21	Postsecondary nondegree award
LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY							
23-2011	Paralegals and Legal Assistants	5	5	N/A	16.03	24.16	Associate's degree
33-3051	Police and Sheriff's Patrol Officers	692	735	54	17.17	27.48	Postsecondary nondegree award
MANUFACTURING & ENGINEERING							
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	58	9	N/A	8.29 - 24.87	19.23 - 34.13	Postsecondary nondegree award
51-4041	Mechanists*	26,757	29,813	N/A	14.58	24.84	Post secondary certificate
51-4121	Welders, Cutters, Solderers, and Brazers	482	510	59	18.05	25.58	Post secondary certificate
TRANSPORTATION, DISTRIBUTION & LOGISTICS							
49-3023	Automotive Service Technicians and Mechanics*	60,441	65,328	81	13.08	22.95	Postsecondary nondegree award
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists*	30,108	34,328	24	14.94	23.3	Postsecondary nondegree award
53-3032	Heavy and Tractor-Trailer Truck Drivers	2,383	2,848	312	14.07	25.48	Postsecondary nondegree award

Effective 08/17/2021

2021 Demand Occupations

Occ Code	Occupational Title	Annual Average Employment 2018	Annual Average Employment Projections 2028	Percent of Change 2018-2028	2019 Mean Wage	Education Requirement for Entry Level
11-1021	General and Operations Managers	1,660	1,748	5.3	42.37	Bachelor's degree
13-2011	Accountants and Auditors	563	628	13.68	30.30	Bachelor's degree
15-1211	Computer Systems Analysts*	54,102	62,744	15.97	30.23	Bachelor's degree
15-1232	Computer User Support Specialists	218	230	5.5	21.27	Some college, no degree
15-1244	Network and Computer Systems Administrators*	34,970	39,689	13.49	30.44	Bachelor's degree
17-2112	Industrial Engineers	103	181	85.44	40.82	Bachelor's degree
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	58	9	21	22.24-31.06	Information not available
17-3022	Civil Engineering Technicians	287	339	14.14	18.14	Associate's degree
23-2011	Paralegals and Legal Assistants	5	5	4	21.45	None
25-2011	Preschool Teachers, Except Special Education	270	279	3.33	18.83	Associate's degree
25-2031	Secondary School Teachers, Except Special and Career/Technical Education*	109,180	121,135	10.95	N/A	Bachelor's degree
29-1141	Registered Nurses	2,183	2,198	0.89	32.37	Bachelor's degree
29-2000	Health Technologists and Technicians	3,045	3,086	1.57	N/A	Information not available
29-2040	Emergency Medical Technicians and Paramedics	357	395	10.84	14.86	Postsecondary nondegree award
29-2052	Pharmacy Technicians*	37,240	44,252	18.83	15.47	High school diploma or equivalent
29-2055	Surgical Technologists *	10,520	12,005	14.12	20.35	Postsecondary nondegree award
29-2081	Licensed Practical and Licensed Vocational Nurses	1,301	1,324	1.77	21.74	Postsecondary nondegree award
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	121	122	0.83	18.04	Postsecondary nondegree award
31-1120	Home Health and Personal Care Aides	3,788	4,499	18.82	9.27	High school diploma or equivalent
31-1131	Nursing Assistants	1,784	1,884	4.48	11.89	Postsecondary nondegree award
31-2021	Physical Therapist Assistants*	7,812	10,091	29.17	32.19	Associate's degree
31-9091	Dental Assistants	234	289	23.5	15.26	Postsecondary nondegree award
31-9092	Medical Assistants	527	656	5.58	13.82	Postsecondary nondegree award
33-2011	Firefighters	300	312	4	20.00	Postsecondary nondegree award
33-3012	Correctional Officers and Jailers	2,256	2,341	3.77	18.82	High school diploma or equivalent
33-3051	Police and Sheriff's Patrol Officers	682	735	6.21	24.04	High school diploma or equivalent
39-9011	Childcare Workers	639	653	2.19	9.44	High school diploma or equivalent
43-3031	Bookkeeping, Accounting, and Auditing Clerks*	143,878	162,300	5.85	16.82	Some college, no degree
43-4051	Customer Service Representatives*	284,520	307,284	7.99	13.4	High school diploma or equivalent
43-5081	Production, Planning, and Expediting Clerks	191	227	18.85	19.43	High school diploma or equivalent
43-6000	Secretaries and Administrative Assistants*	337,382	348,511	3.3	N/A	Information not available
43-6013	Medical Secretaries	733	784	6.96	14.02	High school diploma or equivalent
47-2073	Operating Engineers and Other Construction Equipment Operators	387	394	7.36	20.70	High school diploma or equivalent
47-2111	Electricians	280	322	11.03	21.48	High school diploma or equivalent
47-2152	Plumbers, Pipefitters, and Steamfitters	226	275	20.99	25.17	High school diploma or equivalent
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairs	0	0	10	18.75-29.83	Information not available
49-3023	Automotive Service Technicians and Mechanics*	80,441	85,328	8.08	19.66	Postsecondary nondegree award
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists*	30,108	34,328	14.02	20.51	High school diploma or equivalent
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	247	285	15.38	28.47	High school diploma or equivalent
49-8021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	279	307	10.04	19.04	Postsecondary nondegree award
49-8041	Industrial Machinery Mechanics	253	261	11.07	25.60	High school diploma or equivalent
49-8043	Maintenance Workers, Machinery	4	4	4	22.79	Long-term on-the-job training
49-8051	Electrical Power-Line Installers and Repairers	209	210	0.48	27.03	High school diploma or equivalent
49-8071	Maintenance and Repair Workers, General	1,281	1,319	2.17	15.89	High school diploma or equivalent
51-2028	Electrical, etc., assemblers, except coil winders, tapers, and finishers	1	1	6	17.66	Information not available
51-2090	Miscellaneous Assemblers and Fabricators	114	119	4.39	14.09	Information not available
51-4041	Mechanists*	26,757	29,813	10.67	21.28	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	462	510	10.39	22.39	High school diploma or equivalent
63-3032	Heavy and Tractor-Trailer Truck Drivers	2,383	2,648	11.12	21.67	Postsecondary nondegree award
63-7051	Excavating and Loading Machine and Dragline Operators	174	184	11.49	14.88	High school diploma or equivalent

Effective 03/17/21

* using state projections data