

What You Will Find in the Career Planning Guide

1 Occupation, SOC Code, and Definition

This column gives the title of the occupation, a brief description of work activities or what you might be expected to do on the job, and the Standard Occupational Classification (SOC) code, which can be used to find job postings in the NH Job Match System. The actual tasks and duties of a job could be different, depending on your employer, your level of training, and your experience.

2 Job Outlook and Wage

These columns indicate the current and projected number of workers, employment prospects, and average wage.

2012 Employment: The estimated number of NH workers employed in the occupation in 2012.

2022 Employment: The projected number of NH workers employed in the occupation in 2022.

Average Annual Openings: A sum of projected openings from new jobs plus projected openings from replacements, a demand for new workers to replace those who retire or leave the workforce. ('n' indicates data are confidential.)

Job Outlook: An indicator of expected employment prospects for each occupation, based on a combination of the projected growth rate (percent change from 2012 to 2022) and the projected number of job openings. There are four categories:

- ↑ *Very Favorable* : high projected rate of growth and projected openings
- ↗ *Favorable* : high growth rate and low openings, low growth rate and high openings, or average growth rate and openings
- ↘ *Less Favorable* : low rate of growth and at least average openings or high rate of growth and very low openings
- ↓ *Not Favorable* : negative rate of growth and very low or no openings

May 2014 Average Wage: Wage estimates are based on Occupational Employment Statistics (OES) survey data collected through May 2014. Average hourly wages are listed; for occupations such as teachers or actors that typically do not work a standard number of hours each week, the average annual rate is shown. Actual pay will depend on your employer, your work experience, and your educational level. ('n/a' indicates data are not available.)

Career Planning Guide 2012 - 2022

1 Occupation, SOC Code, Definition

Architects, Except Landscape and Naval (17-1011): Plan and design structures, such as private residences, office buildings, theaters, factories, and other structural property.

1 Occupation, SOC Code, Definition	2 Job Outlook & Wage				3 Education & Training	4 Basic Skills						5 Interests Career Cluster	
	Employment 2012	Employment 2022	Average Annual Openings	Job Outlook		May 204 Average Wage	Reading	Listening	Writing	Speaking	Math		Science
Architects, Except Landscape and Naval (17-1011): Plan and design structures, such as private residences, office buildings, theaters, factories, and other structural property.	255	313	11	↑	\$35.89	Bachelor None Internship Military; NH License	●	●	●	●	●	●	AIR 

3 Education, Experience, and Training

This column describes entry-level education, work experience, and job training requirements for each occupation. The column also lists other training options, such as military experience or apprenticeship training, and indicates if a license may be required in New Hampshire.

Educational Requirements: Typical education needed for entry-level qualification

Doctorate: PhD or professional degree (i.e., MD, DDS, JD)

Masters: one to two years beyond a baccalaureate

Bachelor: four-year college degree (baccalaureate)

Associate: two-year college or technical school degree

Postsecondary: one to two years of postsecondary study (non-degree award)

Some college: college study with no degree attained

High school: diploma or equivalency certificate

Less than HS: no formal education needed

Work Experience Requirements: Related experience as an entry-level qualification

None: no experience needed

< 5 years: less than five years of related experience

5+ years: over five years of related experience

Job Training Requirements: Training needed after employment to gain competency

Internship: Internship or residency

Apprentice: apprenticeship training (required)

Long OJT: over 12 months of on-the-job training

Moderate OJT: one to 12 months of on-the-job training

Short OJT: one month or less or informal on-the-job training

None: no on-the-job training needed

Military: a military experience equivalent exists. See *My Next Move for Veterans* web site.

Apprenticeship: an apprenticeship training option may be available

NH License: Occupation may require licensing in New Hampshire

4 Basic Skills

These columns list six basic skills required to work in and be considered competent in an occupation, as defined in O*Net, an occupational classification system that identifies knowledge, skills, abilities, tasks, and tools required for each occupation. Skills marked with a ● are important to work performance for the occupation (ranked at least 3 on a 1-to-5 scale).

Reading: understanding written sentences and paragraphs in work-related documents

(Active) Listening: paying attention to what others say, asking appropriate questions, and not interrupting

Writing: communicate effectively in writing as appropriate for audience needs

Speaking: talking to others to effectively convey information

Math: using mathematics to solve problems

Science: using scientific rules and methods to solve problems

5 Interests and Career Cluster

This column lists the Holland Interest Profile code, a three-letter combination that indicates personality type. A match between your interest profile and an occupation can mean more job satisfaction in the career. The personality types in the interest profile are *Realistic*, *Investigative*, *Artistic*, *Social*, *Enterprising*, and *Conventional*.

Career Cluster: The icons (below) represent the 16 career clusters defined by the U.S. Department of Education.

 Agriculture & Natural Resources	 Education & Training	 Hospitality & Tourism	 Manufacturing
 Architecture & Construction	 Finance	 Human Services	 Marketing, Sales, & Services
 Arts, A/V Technology, & Communications	 Government & Public Admin.	 Information Technology	 Science, Technology, Engineering, & Math
 Business & Administration	 Health Science	 Law & Public Safety	 Transportation, Distribution, Logistics

Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job Outlook	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings		Average Wage								Career Cluster
Accountants and Auditors (13-2011): Examine, analyze, and interpret accounting records to prepare or audit financial statements. Install or advise on systems of recording financial and budgetary data.	4,522	5,114	193	↑	\$32.81	Bachelor None None Military; NH License	●	●	●	●	●		CEI 
Actors (27-2011): Play parts in stage, television, radio, video, motion picture productions, or other settings for entertainment, information, or instruction. Interpret serious or comic role by speech, gesture, and body movement.	154	175	7	↗	n/a	Some college None Long OJT Military; Apprenticeship	●	●		●			AES 
Actuaries (15-2011): Analyze statistical data, such as mortality, accident, sickness, disability, and retirement rates, and construct probability tables to forecast risk and liability for payment of future benefits.	53	65	3	↗	\$49.49	Bachelor None Long OJT	●	●	●	●	●		CIE 
Adhesive Bonding Machine Operators and Tenders (51-9191): Operate or tend bonding machines that use adhesives to join items for further processing or to form a completed product.	n	n	n	↓	n/a	High School None Moderate OJT		●		●			RC 
Administrative Law Judges, Adjudicators, and Hearing Officers (23-1021): Conduct hearings to recommend or make decisions on claims concerning government programs or related matters. Determine liability, sanctions, or penalties.	164	172	4	↘	\$31.90	Bachelor <5 years Short OJT Apprenticeship	●	●	●	●			EIS 
Administrative Services Managers (11-3011): Plan, direct, or coordinate administrative services of an organization, such as records management, mail distribution, facility maintenance, custodial operations, and other office support.	845	943	24	↑	\$40.86	Bachelor <5 years None Military; Apprenticeship	●	●	●	●			ECS 
Adult Basic and Secondary Education and Literacy Teachers and Instructors (25-3011): Teach or instruct out-of-school youth and adults in remedial education, preparatory classes for the GED test, literacy, or English as a Second Language.	138	152	3	↘	\$26.08	Bachelor None Internship NH License	●	●	●	●			SAE 
Advertising and Promotions Managers (11-2011): Plan, direct, or coordinate advertising policies and programs or produce materials such as posters, contests, or coupons to create interest in the purchase of a product or service.	225	249	9	↗	\$42.78	Bachelor <5 years None	●	●	●	●			EAC 
Advertising Sales Agents (41-3011): Sell or solicit advertising space, time, or media in publications, signage, TV, radio, or Internet establishments or public spaces.	490	511	17	↗	\$30.60	High School None Moderate OJT	●	●	●	●			ECA 
Aerospace Engineering and Operations Technicians (17-3021): Operate, install, calibrate, and maintain integrated computer/communications systems consoles, simulators, and other data acquisition, test, and measurement equipment to launch, track, position, and evaluate air and space vehicles.	n	n	n	↓	n/a	Associate None None Apprenticeship	●	●	●	●		●	RIC 
Aerospace Engineers (17-2011): Perform a variety of engineering work in designing, constructing, and testing aircraft, missiles, and spacecraft. May conduct basic and applied research to evaluate adaptability of materials and equipment to aircraft design and manufacture.	n	n	n	↓	\$45.16	Bachelor None None Military; NH License	●	●	●	●	●	●	IRA 

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Career Planning Guide 2012 - 2022 Occupation, SOC Code, Definition	Job Outlook & Wage				Education & Training		Basic Skills					Interests	
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Career Cluster
Agents and Business Managers of Artists, Performers, and Athletes (13-1011): Represent and promote artists, performers, and athletes to prospective employers. May handle contract negotiation and other business matters for clients.	n	n	n	↘	n/a	Bachelor <5 years None NH License	●	●	●	●			ECS 
Agricultural and Food Science Technicians (19-4011): Work under supervision of agricultural scientists in food, fiber, and animal research. Assist with animal breeding and nutrition, and conduct tests and experiments to improve crop yield and quality or increase disease resistance in plants and animals.	n	n	n	↓	\$20.42	Associate None Moderate OJT	●	●	●	●			RIC 
Agricultural Engineers (17-2021): Apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products.	n	n	n	↓	n/a	Bachelor None None NH License	●	●	●	●	●	●	IRE 
Agricultural Equipment Operators (45-2091): Drive and control farm equipment to till soil and to plant, cultivate, and harvest crops. May operate stationary equipment to perform post-harvest tasks, such as husking, shelling, and threshing.	71	80	3	↗	n/a	Less than HS None Short OJT Apprenticeship							RC 
Agricultural Inspectors (45-2011): Inspect agricultural commodities, processing equipment and facilities, and fish and logging operations to ensure compliance with regulations and laws governing health, quality, and safety.	n	n	n	↓	n/a	Bachelor None Moderate OJT Military	●	●	●	●			RCI 
Air Traffic Controllers (53-2021): Control air traffic on and within vicinity of airport and movement of air traffic between altitude sectors and control centers according to established procedures and policies.	441	470	23	↗	\$65.90	Associate None Long OJT Military; Apprenticeship	●	●	●	●			ECR 
Aircraft Cargo Handling Supervisors (53-1011): Direct ground crew in loading, unloading, securing, and staging aircraft cargo or baggage. Determine the quantity and orientation of cargo and compute aircraft center of gravity. May accompany aircraft as member of flight crew.	n	n	n	↓	n/a	High School <5 years None Military	●	●		●			ERC 
Aircraft Mechanics and Service Technicians (49-3011): Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems.	173	178	5	↘	\$25.96	Postsecondary None None Military; Apprenticeship	●	●		●			RCI 
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (51-2011): Assemble, fit, fasten, and install parts of airplanes, space vehicles, or missiles, such as tails, wings, fuselage, bulkheads, stabilizers, landing gear, rigging and control equipment, or heating and ventilating systems.	n	n	n	↓	n/a	High School None Moderate OJT Military; Apprenticeship		●					RC 
Airfield Operations Specialists (53-2022): Ensure the safe takeoff and landing of commercial and military aircraft. Coordinate between air-traffic control and maintenance; maintain flight records; use airfield landing and navigational aids; implement safety procedures; and apply weather knowledge.	n	n	n	↗	n/a	High School None Long OJT Military; Apprenticeship	●	●	●	●			ECR 
Airline Pilots, Copilots, and Flight Engineers (53-2011): Pilot and navigate fixed-wing, multi-engine aircraft, usually on scheduled routes, for the transport of passengers and cargo. Requires FAA certificate and rating for specific aircraft type.	40	37	1	↓	\$92,885	Bachelor <5 years Moderate OJT Military	●	●	●	●	●		RCI 

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	Employment 2012	Employment 2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
Ambulance Drivers and Attendants, Except EMTs (53-3011): Drive ambulance or assist ambulance driver in transporting sick, injured, or convalescent persons. Assist in lifting patients.	72	90	3	↗	\$11.15	High School None Moderate OJT Apprenticeship		●		●			RSE 
Amusement and Recreation Attendants (39-3091): Perform a variety of duties at amusement or recreation facility. May schedule use of recreation facilities, maintain and provide equipment, or operate amusement concessions and rides.	1,029	1,155	65	↑	\$9.92	Less than HS None Short OJT		●		●			ECR 
Animal Control Workers (33-9011): Handle animals for the purpose of investigations of mistreatment, or control of abandoned, dangerous, or unattended animals.	94	101	3	↘	\$14.77	High School None Moderate OJT		●		●			RSC 
Animal Scientists (19-1011): Conduct research in the genetics, nutrition, reproduction, growth, and development of domestic farm animals.	n	n	n	↓	n/a	Doctorate None None	●	●	●	●	●	●	IRC 
Animal Trainers (39-2011): Train animals for riding, harness, security, performance, or obedience, or assisting persons with disabilities. Accustom animals to human voice and contact, and condition animals to respond.	140	164	8	↗	\$16.34	High School None Moderate OJT Military; Apprenticeship		●		●			RCS 
Anthropologists and Archeologists (19-3091): Study the origin, development, and behavior of human beings. May engage in systematic recovery and examination of material evidence, such as tools or pottery remaining from past human culture.	n	n	n	↘	\$30.79	Masters None None	●	●	●	●		●	IAR 
Appraisers and Assessors of Real Estate (13-2021): Appraise real property and estimate its fair value. May assess taxes in accordance with prescribed schedules.	408	443	8	↗	\$32.06	Bachelor None Long OJT NH License	●	●	●	●			CER 
Arbitrators, Mediators, and Conciliators (23-1022): Facilitate negotiation and conflict resolution through dialogue. Resolve conflicts outside of the court system by mutual consent of parties involved.	55	73	3	↗	n/a	Bachelor <5 years Moderate OJT NH License	●	●	●	●			SEC 
Architects, Except Landscape and Naval (17-1011): Plan and design structures, such as private residences, office buildings, theaters, factories, and other structural property.	283	343	13	↑	\$39.68	Bachelor None Internship Military; NH License	●	●	●	●	●		AI 
Architectural and Civil Drafters (17-3011): Prepare detailed drawings of architectural and structural features of buildings or drawings and topographical relief maps used in civil engineering projects, such as highways and bridges.	355	373	7	↘	\$24.80	Associate None None Apprenticeship	●	●	●	●	●		RCA 
Architectural and Engineering Managers (11-9041): Plan, direct, or coordinate activities in such fields as architecture and engineering or research and development in these fields.	1,089	1,125	31	↗	\$62.87	Bachelor 5+ years None Military	●	●	●	●	●		ERI 

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	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Career
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Cluster
Archivists (25-4011): Appraise, edit, and direct safekeeping of permanent records and historically valuable documents. Participate in research activities based on archival materials.	n	n	n	↘	n/a	Masters None None	●	●	●	●			CIS 
Art Directors (27-1011): Formulate design concepts and presentation approaches for visual communications media, such as print, broadcasting, and advertising. Direct workers engaged in art work or layout design.	190	195	4	↘	\$34.18	Bachelor 5+ years None Military	●	●	●	●			AE 
Astronomers (19-2011): Observe, research, and interpret celestial and astronomical phenomena to increase basic knowledge and apply such information to practical problems.	n	n	n	↓	n/a	Doctorate None None Military	●	●	●	●	●	●	IAR 
Athletes and Sports Competitors (27-2021): Compete in athletic events.	25	26	1	↘	n/a	High School None Long OJT Military		●		●			RES 
Athletic Trainers (29-9091): Evaluate and advise individuals to assist recovery from or avoid athletic-related injuries or illnesses, or maintain peak physical fitness. May provide first aid or emergency care.	128	145	6	↗	\$45,384	Bachelor None None NH License	●	●	●	●			SRI 
Atmospheric and Space Scientists (19-2021): Investigate atmospheric phenomena and interpret meteorological data gathered by surface and air stations, satellites, and radar to prepare reports and forecasts. Includes weather forecasters.	83	104	4	↗	\$25.92	Bachelor None None Military; Apprenticeship	●	●	●	●		●	IR 
Audio and Video Equipment Technicians (27-4011): Set up and/or operate audio and video equipment including microphones, speakers, screens, projectors, monitors, recording equipment, wires and cables, or sound and mixing boards.	156	180	5	↗	\$19.96	Postsecondary None Short OJT Military; Apprenticeship	●	●	●	●			RIC 
Audiologists (29-1181): Assess and treat persons with hearing and related disorders. May fit hearing aids and provide auditory training. May perform research related to hearing problems.	79	108	5	↗	\$36.25	Doctorate None None Military; NH License	●	●	●	●		●	ISC 
Audio-Visual and Multimedia Collections Specialists (25-9011): Prepare, plan, and operate multimedia teaching aids for use in education. May record, catalogue, and file materials.	n	n	n	↓	\$25.84	Bachelor <5 years None	●	●	●	●			CRS 
Automotive and Watercraft Service Attendants (53-6031): Service automobiles, buses, trucks, boats, and other automotive or marine vehicles with fuel, lubricants, or accessories. May lubricate vehicle, change oil or coolant, or replace lights, wiper blades or fan belts. May repair or replace tires.	709	798	29	↑	\$10.82	Less than HS None Short OJT Military		●		●			RCS 
Automotive Body and Related Repairers (49-3021): Repair and refinish automotive vehicle bodies and straighten vehicle frames.	734	809	22	↗	\$20.01	High School None Moderate OJT Military; Apprenticeship							RCE 

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	Employment 2012	Employment 2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
Automotive Glass Installers and Repairers (49-3022): Replace or repair broken windshields and window glass in motor vehicles.	41	44	1	↘	\$20.02	High School None Moderate OJT Apprenticeship				●			RCE 
Automotive Service Technicians and Mechanics (49-3023): Diagnose, adjust, repair, or overhaul automotive vehicles.	4,377	4,661	139	↗	\$20.56	High School None Long OJT Military; Apprenticeship		●					RIC 
Avionics Technicians (49-2091): Install, inspect, test, adjust, or repair avionics equipment, such as radar, radio, navigation, and missile control systems in aircraft or space vehicles.	63	67	1	↘	\$29.23	Associate None None Military; Apprenticeship	●	●	●	●			RIC 
Baggage Porters and Bellhops (39-6011): Handle baggage for travelers at transportation terminals or for guests at hotels or similar establishments.	79	90	3	↗	\$11.07	High School None Short OJT		●		●			RCS 
Bailiffs (33-3011): Maintain order in courts of law.	35	38	1	↘	\$10.79	High School None Moderate OJT		●		●			REC 
Bakers (51-3011): Mix and bake ingredients to produce breads, rolls, cookies, cakes, pies, pastries, or other baked goods. Pastry chefs in restaurants and hotels are included with <i>Chefs and Head Cooks</i> (35-1011).	546	612	20	↑	\$12.34	Less than HS None Long OJT Military; Apprenticeship		●					RCE 
Barbers (39-5011): Provide barbering services, such as cutting, trimming, shampooing, and styling hair, trimming beards, or giving shaves.	502	543	17	↗	n/a	Postsecondary None None Military; Apprenticeship; NH License		●		●			REC 
Bartenders (35-3011): Mix and serve drinks to patrons, directly or through waitstaff.	3,700	4,168	184	↑	\$10.00	Less than HS None Short OJT Apprenticeship		●		●			ECR 
Bicycle Repairers (49-3091): Repair and service bicycles.	92	107	5	↗	\$13.08	High School None Moderate OJT		●		●			RCI 
Bill and Account Collectors (43-3011): Locate and notify customers of delinquent accounts by mail, telephone, or personal visit. Take payments and post amount to customer's account; prepare statements; initiate repossession proceedings or service disconnection and keep records.	1,373	1,799	82	↑	\$16.22	High School None Moderate OJT	●	●	●	●			CE 
Billing and Posting Clerks (43-3021): Compile, compute, and record billing, accounting, statistical, and other numerical data for billing purposes. Prepare billing invoices for services rendered or for delivery or shipment of goods.	1,856	2,170	65	↑	\$17.36	High School None Short OJT	●	●					CES 

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	2012	2022	Annual Openings	Outlook	Average Wage	Education	Experience Training							Career Cluster		
Biochemists and Biophysicists (19-1021): Study the chemical composition and physical principles of living cells and organisms, their electrical and mechanical energy, and related phenomena. Conduct research on metabolism, reproduction, growth, and heredity, or the effects of foods, drugs, or serums.	56	70	3	↗	\$41.92	Doctorate None None	Military	●	●	●	●	●	●	●	IAR	
Biological Technicians (19-4021): Assist biological and medical scientists in laboratories. Set up, operate, and maintain lab instruments and equipment, monitor experiments, make observations, and calculate and record results. May analyze organic substances, such as blood, food, and drugs.	322	355	13	↗	\$21.71	Bachelor None None	Military; Apprenticeship	●	●	●	●	●	●	●	RIC	
Biomedical Engineers (17-2031): 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, and medical information systems.	96	117	4	↗	\$45.60	Bachelor None None	Military; NH License	●	●	●	●	●	●	●	IRC	
Boilermakers (47-2011): Construct, assemble, maintain, and repair stationary steam boilers and boiler house auxiliaries. Assemble boiler frame tanks or vats, following blueprints. Assist in testing assembled vessels. Inspect and repair fittings, such as safety valves, regulators, or water columns.	103	96	5	↘	\$33.77	High School None Apprentice	Military	●	●						RC	
Bookkeeping, Accounting, and Auditing Clerks (43-3031): Compute, classify, and record numerical data to keep financial records complete. Perform routine calculating, posting, and verifying to obtain primary financial data to maintain accounting records.	8,558	9,505	174	↑	\$18.51	High School None Moderate OJT	Military; Apprenticeship	●	●	●	●	●			CE	
Brickmasons and Blockmasons (47-2021): Lay and bind building materials, such as brick, structural tile, concrete block, cinder block, glass block, and terra-cotta block with mortar and other substances to construct or repair walls, partitions, arches, sewers, and other structures.	276	350	10	↗	\$21.81	High School None Apprentice	Military								RCI	
Broadcast Technicians (27-4012): Set up, operate, and maintain electronic equipment used to transmit radio and television programs. Control audio equipment to regulate volume level and quality of sound during broadcasts. Operate transmitter to broadcast radio or television programs.	114	122	3	↘	\$28.77	Associate None Short OJT	Military; Apprenticeship	●	●	●	●				RCI	
Brokerage Clerks (43-4011): Perform duties related to the purchase, sale or holding of securities. Write orders for stock purchases or sales, compute taxes, verify transactions, accept and deliver securities, track stock price fluctuations, distribute dividends, and keep records of transactions.	n	n	n	↗	\$24.04	High School None Moderate OJT		●	●	●	●				CES	
Budget Analysts (13-2031): Examine budget estimates for completeness, accuracy, and conformance with procedures and regulations. Analyze budgeting and accounting reports.	200	208	9	↘	\$36.76	Bachelor None None	Military	●	●	●	●	●			CEI	
Bus and Truck Mechanics and Diesel Engine Specialists (49-3031): 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.	851	928	26	↗	\$21.79	High School None Long OJT	Military; Apprenticeship				●				RCI	
Bus Drivers, School or Special Client (53-3022): Transport students or special clients, such as the elderly or persons with disabilities. Ensure adherence to safety rules. May assist passengers in boarding or exiting.	2,587	2,819	71	↑	\$14.41	High School None Short OJT			●	●					RCS	

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Bus Drivers, Transit and Intercity (53-3021): Drive bus or motor coach, including regular route operations, charters, and private carriage. May assist passengers with baggage. May collect fares or tickets.	143	149	4	↘	\$18.68	High School None Moderate OJT Military		●		●			RSE 
Butchers and Meat Cutters (51-3021): Cut, trim, or prepare consumer-sized portions of meat for use or sale in retail establishments.	918	1,009	32	↗	\$15.60	Less than HS None Long OJT Apprenticeship		●		●			RCE 
Buyers and Purchasing Agents, Farm Products (13-1021): Purchase farm products either for further processing or resale. Includes tree farm contractors, grain brokers and market operators, grain buyers, and tobacco buyers.	n	n	n	↘	n/a	High School None Long OJT	●	●	●	●			ECR 
Cabinetmakers and Bench Carpenters (51-7011): Cut, shape, and assemble wooden articles or set up and operate a variety of woodworking machines, such as power saws, jointers, and mortisers to surface, cut, or shape lumber or to fabricate parts for wood products.	285	323	6	↗	\$17.57	High School None Moderate OJT Apprenticeship							RC 
Camera and Photographic Equipment Repairers (49-9061): Repair and adjust cameras and photographic equipment, including commercial video and motion picture camera equipment.	n	n	n	↘	n/a	Associate None Long OJT Military; Apprenticeship		●					RCI 
Camera Operators, Television, Video, and Motion Picture (27-4031): Operate television, video, or motion picture camera to record images or scenes for various purposes, such as TV broadcasts, advertising, video production, or motion pictures.	106	115	2	↘	\$18.09	Bachelor None None Military; Apprenticeship		●		●			RAC 
Captains, Mates, and Pilots of Water Vessels (53-5021): Command or supervise operations of ships and water vessels, such as tugboats and ferryboats. Required to hold license issued by U.S. Coast Guard. Excludes <u>Motorboat Operators</u> (53-5022).	66	68	3	↘	\$22.90	Bachelor None None Military; Apprenticeship	●	●		●			ERC 
Cardiovascular Technologists and Technicians (29-2031): Conduct tests on pulmonary or cardiovascular systems of patients for diagnostic purposes. May conduct or assist in electrocardiograms, cardiac catheterizations, pulmonary functions, lung capacity, and similar tests.	199	256	9	↗	\$29.88	Associate None None Military	●	●	●	●		●	RSI 
Career/Technical Education Teachers, Middle School (25-2023): Teach occupational, career and technical, or vocational subjects in public or private schools at the middle, intermediate, or junior high level, which falls between elementary and senior high school.	72	74	2	↘	\$58,381	Bachelor <5 years Internship NH License	●	●	●	●			SAC 
Career/Technical Education Teachers, Secondary School (25-2032): Teach occupational, career and technical, or vocational subjects at the secondary school level in public or private schools.	263	273	8	↘	\$56,728	Bachelor <5 years Internship NH License	●	●	●	●			SA 
Cargo and Freight Agents (43-5011): Expedite and route movement of incoming and outgoing cargo and freight shipments in airline, train, and trucking terminals, and shipping docks. Take orders and arrange pickup of freight and cargo. Prepare and examine bills of lading.	82	93	3	↗	\$25.29	High School None Short OJT Military; Apprenticeship	●	●		●			CER 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career
	2012	2022	Annual Openings	Outlook	Average Wage								Cluster
Carpenters (47-2031): Construct, erect, install, or repair structures and fixtures made of wood, such as concrete forms, building frameworks - including partitions, joists, studding, and rafters - and wood stairways, window and door frames, and hardwood floors. May install cabinets, siding, or drywall.	3,637	4,267	108	↑	\$20.65	High School None Apprentice Military							RCI 
Carpet Installers (47-2041): Lay and install carpet from rolls or blocks on floors. Install padding and trim flooring materials.	108	112	2	↘	\$17.74	Less than HS None Short OJT Apprenticeship							REC 
Cartographers and Photogrammetrists (17-1021): Collect, analyze, and interpret geographic information from geodetic surveys, aerial photographs, and satellite data. Research, study, and prepare maps and spatial data in digital or graphic form. May work with GIS software.	64	81	3	↗	\$23.22	Bachelor None None Military; Apprenticeship	●	●	●	●			RIC 
Cashiers (41-2011): Receive and disburse money in establishments other than financial institutions. May use electronic scanners, cash registers, or related equipment. May process credit or debit card transactions and validate checks.	22,422	23,167	1,043	↗	\$9.84	Less than HS None Short OJT		●		●	●		CE 
Cement Masons and Concrete Finishers (47-2051): Smooth and finish surfaces of poured concrete, such as floors, walks, sidewalks, roads, or curbs using a variety of hand and power tools. Align forms for sidewalks, curbs, or gutters; patch voids; and use saws to cut expansion joints.	189	232	6	↗	\$19.00	Less than HS None Moderate OJT Military; Apprenticeship		●					REC 
Chefs and Head Cooks (35-1011): Direct and may participate in the preparation, seasoning, and cooking of salads, soups, fish, meats, vegetables, desserts, or other foods. May plan and price menu items, order supplies, and keep records and accounts.	1,027	1,100	24	↗	\$22.25	High School 5+ years None Military; Apprenticeship		●		●			ERA 
Chemical Engineers (17-2041): Design chemical plant equipment and devise manufacturing processes for chemicals and products, such as gasoline, synthetic rubber, plastics, detergents, cement, paper, and pulp, applying principles and technology of chemistry, physics, and engineering.	38	44	2	↗	\$43.04	Bachelor None None Military; NH License	●	●	●	●	●	●	IRC 
Chemical Equipment Operators and Tenders (51-9011): Operate or tend equipment to control chemical changes or reactions in the processing of industrial or consumer products. Equipment used includes devulcanizers, steam-jacketed kettles, and reactor vessels.	186	179	6	↘	\$18.49	High School None Moderate OJT Military; Apprenticeship	●	●		●			RC 
Chemical Technicians (19-4031): Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liquids, and gaseous materials for research and development, quality control, maintenance of environmental standards, and other work.	125	142	5	↗	\$21.42	Associate None Moderate OJT Military; Apprenticeship	●	●	●	●	●	●	IRC 
Chemists (19-2031): Conduct qualitative and quantitative chemical analyses or experiments in laboratories for quality or process control or to develop new products or knowledge.	157	175	6	↗	n/a	Bachelor None None Military	●	●	●	●	●	●	IRC 
Chief Executives (11-1011): Determine and formulate policies and provide overall direction of companies or private and public organizations within guidelines set by a board of directors or similar body. Plan, direct, or coordinate operational activities at the highest level of management.	1,811	1,890	46	↗	\$91.52	Bachelor 5+ years None Military	●	●	●	●			ECS 

Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training		Basic Skills					Interests	
	Employment		Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level		Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022				Education Experience Training	Military; Apprenticeship; NH License							
Child, Family, and School Social Workers (21-1021): Provide social services and assistance to improve the social and psychological functioning of children and their families. May arrange adoptions or find foster homes for children. In schools, deal with issues like teen pregnancy or misbehavior.	510	594	19	↑	\$20.10	Bachelor None None	NH License	●	●	●	●			SEA 
Childcare Workers (39-9011): Attend to children at schools, businesses, private households, and childcare institutions. Perform a variety of tasks, such as dressing, feeding, bathing, and overseeing play.	4,312	4,958	192	↑	\$10.46	High School None Short OJT	Apprenticeship; NH License	●	●	●	●			SAC 
Chiropractors (29-1011): Assess, treat, and care for patients by manipulation of spine and musculoskeletal system. May provide spinal adjustment or address sacral or pelvic misalignment.	161	176	5	↘	\$39.87	Doctorate None None	Military; NH License	●	●	●	●	●		SIR 
Choreographers (27-2032): Create and teach dance. May direct and stage presentations.	n	n	n	↓	n/a	High School 5+ years Long OJT		●	●		●			ASE 
Civil Engineering Technicians (17-3022): Apply theory and principles of civil engineering in planning, designing, and overseeing construction and maintenance of structures and facilities, under the direction of engineering staff or physical scientists.	81	86	2	↘	\$21.97	Associate None None	Military	●	●	●	●	●		RCI 
Civil Engineers (17-2051): Perform engineering duties to 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, or water and sewage systems.	999	1,253	49	↑	\$34.17	Bachelor None None	Military; NH License	●	●	●	●	●		RIC 
Claims Adjusters, Examiners, and Investigators (13-1031): Review settled claims to determine that payments and settlements are made in accordance with company practices and procedures. Confer with legal counsel on claims requiring litigation. May also settle insurance claims.	1,330	1,386	37	↗	\$32.56	High School None Long OJT	NH License	●	●	●	●			CEI 
Cleaners of Vehicles and Equipment (53-7061): Wash or otherwise clean vehicles, machinery, and other equipment. Use such materials as water, cleaning agents, brushes, cloths, and hoses.	1,103	1,214	42	↗	\$11.81	Less than HS None Short OJT	Apprenticeship							RCE 
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders (51-9192): Operate or tend machines to wash or clean products, such as barrels or kegs, glass items, tin plate, food, pulp, coal, plastic, or rubber to remove impurities.	98	101	2	↘	\$14.60	Less than HS None Moderate OJT								RC 
Clergy (21-2011): Conduct religious worship and perform other spiritual functions associated with beliefs and practices of religious faith or denomination. Provide spiritual and moral guidance and assistance to members.	850	908	23	↗	\$27.63	Bachelor None Moderate OJT	Military	●	●	●	●			SEA 
Clinical, Counseling, and School Psychologists (19-3031): Diagnose and treat mental disorders, learning disabilities, and cognitive, behavioral, and emotional problems using individual, child, family, and group therapies. May design and implement behavior modification programs.	510	559	19	↗	\$33.25	Doctorate None Internship	Military; NH License	●	●	●	●			ISA 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career
	2012	2022	Annual Openings	Outlook	Average Wage								Cluster
Coaches and Scouts (27-2022): Instruct or coach groups or individuals in the fundamentals of sports. Demonstrate techniques and methods of participation. May evaluate athletes' strengths and weaknesses as possible recruits or to improve athletes' technique to prepare them for competition.	1,008	1,168	46	↑	\$36,870	Bachelor None None	●	●	●	●			SER 
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders (51-9121): Set up, operate, or tend machines to coat or paint a variety of products, such as glass, cloth, ceramics, metal, plastic, paper, or wood, with lacquer, silver, copper, rubber, varnish, glaze, enamel, or rust-proof material.	618	619	11	↗	\$17.36	High School None Moderate OJT Apprenticeship							RCI 
Coil Winders, Tapers, and Finishers (51-2021): Wind wire coils used in electrical components such as resistors and transformers, and in electrical equipment and instruments such as field cores, bobbins, armature cores, electrical motors, generators, and control equipment.	107	99	1	↓	\$14.50	High School None Short OJT							RCI 
Coin, Vending, and Amusement Machine Servicers and Repairers (49-9091): Install, service, adjust or repair coin, vending, or amusement machines including video games, juke boxes, pinball machines, or slot machines.	52	49	0	↓	\$15.59	High School None Short OJT Apprenticeship		●					RCI 
Combined Food Preparation and Serving Workers, Including Fast Food (35-3021): Perform duties which combine preparing and serving food and nonalcoholic beverages.	11,564	13,371	623	↑	\$9.38	Less than HS None Short OJT Military		●		●			CRE 
Commercial and Industrial Designers (27-1021): Develop and design manufactured products, such as cars, home appliances, and children's toys. Combine artistic talent with research on product use, marketing, and materials to create the most functional and appealing product design.	111	120	4	↘	\$33.69	Bachelor None None Apprenticeship	●	●	●	●			AER 
Commercial Divers (49-9092): Using scuba gear, work below surface of water to inspect, repair, remove, or install equipment and structures. May use tools such as drills, torches, or welding equipment. May conduct tests or experiments, rig explosives, or photograph structures or marine life.	n	n	n	↘	n/a	Postsecondary None Moderate OJT Military	●	●	●	●			RC 
Commercial Pilots (53-2012): Pilot and navigate the flight of fixed-wing aircraft on nonscheduled air carrier routes, or helicopters. Requires Commercial Pilot certificate. Includes charter pilots with similar certification, and air ambulance and air tour pilots. Excludes airline pilots.	103	104	3	↘	\$69,555	High School None Moderate OJT Military; Apprenticeship	●	●		●	●		REI 
Community Health Workers (21-1094): Assist individuals and communities to adopt healthy behaviors. Conduct outreach for medical personnel or health organizations to implement programs in the community that promote, maintain, and improve individual and community health.	145	177	7	↗	\$18.27	High School None Short OJT Apprenticeship	●	●	●	●			SEI 
Compensation and Benefits Managers (11-3111): Plan, direct, or coordinate compensation and benefits activities of an organization.	118	133	5	↗	\$48.08	Bachelor 5+ years None Military	●	●	●	●			ECS 
Compensation, Benefits, and Job Analysis Specialists (13-1141): Conduct programs of compensation and benefits and job analysis for employer. May specialize in specific areas, such as position classification and pension programs.	332	357	8	↗	\$29.57	Bachelor None None	●	●	●	●			CE 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training		Basic Skills						Interests	
	Employment		Average	Job	May 2014	Entry-Level		Reading	Listening	Writing	Speaking	Math	Science	Interests	
	2012	2022	Annual Openings	Outlook	Average Wage	Education	Experience Training							Career Cluster	
Compliance Officers (13-1041): Examine, evaluate, and investigate eligibility for or conformity with laws and regulations governing contract compliance of licenses and permits, and perform other compliance and enforcement inspection and analysis activities not classified elsewhere.	967	1,027	24	↗	\$32.85	Bachelor	None Moderate OJT	●	●	●	●			CEI	
Computer and Information Research Scientists (15-1111): Conduct research into fundamental computer and information science as theorists, designers, or inventors. Develop solutions to problems in the field of computer hardware and software.	n	n	n	↓	\$62.47	Doctorate	None None	●	●	●	●	●	●	IRC	
Computer and Information Systems Managers (11-3021): Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming.	2,081	2,507	72	↑	\$60.39	Bachelor	5+ years None	●	●	●	●			ECI	
Computer Hardware Engineers (17-2061): Research, design, develop, or test computer or computer-related equipment for commercial, industrial, military, or scientific use. May supervise the manufacturing and installation of computer or computer-related equipment and components.	184	199	6	↗	\$51.94	Bachelor	None None	●	●	●	●		●	IRC	
Computer Network Architects (15-1143): 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.	291	358	12	↑	\$40.77	Bachelor	5+ years None	●	●	●	●			ICE	
Computer Network Support Specialists (15-1152): Analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems. Perform network maintenance to ensure networks operate correctly with minimal interruption.	543	583	12	↗	\$28.31	Associate	None None	●	●	●	●	●	●	REC	
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic (51-4012): Develop programs to control machining or processing of metal or plastic parts by automatic machine tools, equipment, or systems.	227	303	14	↑	\$27.29	High School	None Long OJT	●	●	●		●		CIR	
Computer Operators (43-9011): Monitor and control computer and peripheral data processing equipment to process business, scientific, engineering, and other data. Monitor and respond to operating and error messages. May enter commands at a computer terminal or set device controls.	311	266	3	↓	\$20.52	High School	None Moderate OJT	●	●	●	●			CRI	
Computer Programmers (15-1131): Create, modify, and test code, forms, and scripts that allow computer applications to run. May assist software developers by analyzing user needs and designing solutions. May develop and write programs to store, locate, and retrieve specific documents or data.	1,113	1,286	46	↑	\$35.88	Bachelor	None None	●	●	●		●		ICR	
Computer Systems Analysts (15-1121): Analyze science, engineering, business, and other data processing problems to implement and improve computer systems. Analyze requirements, problems, and procedures to improve systems. Review computer system capabilities, workflow, and limitations.	2,470	3,060	98	↑	\$41.34	Bachelor	None None	●	●	●	●			ICR	
Computer User Support Specialists (15-1151): Provide technical assistance to computer system users. Answer questions or resolve computer problems for clients in person, via telephone or from remote location. May provide assistance concerning the use of computer hardware and software.	2,469	3,029	95	↑	\$25.31	Some college	None Moderate OJT	●	●	●	●			RIC	

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Career Planning Guide 2012 - 2022	Job Outlook & Wage				Education & Training		Basic Skills					Interests		
	Employment		Average	Job Outlook	May 2014	Entry-Level		Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022	Annual Openings		Average Wage	Education	Experience Training							
Computer, Automated Teller, and Office Machine Repairers (49-2011): Repair, maintain, or install computers, word processing systems, automated teller machines, and electronic office machines such as duplicating and fax machines.	800	827	20	↗	\$20.50	Some college None None		●	●		●			RCI 
Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011): Operate computer-controlled machines or robots to perform one or more machine functions on metal or plastic work pieces.	1,324	1,564	61	↑	\$17.94	High School None Moderate OJT Apprenticeship		●	●					RC 
Concierges (39-6012): Assist patrons at hotel, apartment, or office building with personal services. May take messages, arrange or give advice on transportation, business services or entertainment, or monitor guest requests for housekeeping and maintenance.	30	37	2	↗	n/a	High School None Moderate OJT		●	●		●			SEC 
Conservation Scientists (19-1031): Manage, improve, and protect natural resources to maximize use without damaging the environment. May conduct soil surveys and develop plans to eliminate soil erosion or protect rangelands. May identify best ways to conserve soil and water.	39	38	1	↓	\$36.26	Bachelor None None Apprenticeship; NH License		●	●	●	●			IRE 
Construction and Building Inspectors (47-4011): Inspect structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations. Inspections may be general or limited to a specific area, such as electrical or plumbing.	343	381	12	↑	\$25.47	High School 5+ years Moderate OJT Military; Apprenticeship; NH License		●	●	●	●			RCI 
Construction Laborers (47-2061): Perform tasks involving physical labor at construction sites. May operate hand or power tools such as air hammers, earth tampers, cement mixers, or hoists. May clean or prepare sites, dig trenches, set excavation braces, erect scaffolding, or clean up rubble or debris.	3,302	3,821	123	↑	\$15.97	Less than HS None Short OJT Apprenticeship			●					RCE 
Construction Managers (11-9021): Plan, direct, or coordinate - usually through subordinate supervisors - construction and maintenance of structures, facilities, and systems. Participate in the conceptual development of a project and oversee organization, schedule, budget, and implementation.	1,752	1,944	47	↗	\$44.54	Bachelor None Moderate OJT Military		●	●	●	●			ERC 
Control and Valve Installers and Repairers, Except Mechanical Door (49-9012): Install, repair, and maintain mechanical regulating and controlling devices, such as electric meters, gas regulators, thermostats, safety and flow valves, and other mechanical governors.	96	96	3	↓	\$26.84	High School None Moderate OJT Military; Apprenticeship; NH License								RCI 
Conveyor Operators and Tenders (53-7011): Control or tend conveyors or conveyor systems that move materials or products to and from stockpiles, processing stations, departments, or vehicles. May control speed and routing of materials or products.	n	n	n	↘	\$15.85	Less than HS None Short OJT Apprenticeship			●					RCE 
Cooks, Fast Food (35-2011): Prepare and cook food in a fast food restaurant with a limited menu. Duties of these cooks are limited to preparation of a few basic items and normally involve operating large-volume, single-purpose cooking equipment.	1,679	1,692	34	↗	\$9.55	Less than HS None Short OJT Apprenticeship			●					RCE 
Cooks, Institution and Cafeteria (35-2012): Prepare and cook large quantities of food for institutions such as schools, hospitals, or cafeterias.	1,658	1,889	56	↑	\$14.56	Less than HS None Short OJT Military; Apprenticeship		●			●			RCS 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage				Education & Training		Basic Skills					Interests		
	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster	
Cooks, Restaurant (35-2014): Prepare, season, and cook dishes such as soups, meats, vegetables, or desserts in restaurants. May order supplies, keep records and accounts, price items on menu, or plan menu.	5,396	6,299	196	↑	\$12.32	Less than HS <5 years Moderate OJT Apprenticeship							REA	
Cooks, Short Order (35-2015): Prepare and cook to order a variety of foods that require only a short preparation time. May take orders from customers and serve patrons at counters or tables.	2,807	2,837	58	↗	\$9.60	Less than HS None Short OJT		●					RCE	
Cooling and Freezing Equipment Operators and Tenders (51-9193): Operate or tend equipment, such as cooling and freezing units, refrigerators, batch freezers, and freezing tunnels to cool or freeze products, food, blood plasma, and chemicals.	n	n	n	↘	n/a	High School None Moderate OJT Apprenticeship	●	●	●				RCI	
Correctional Officers and Jailers (33-3012): Guard inmates in penal or rehabilitative institutions in accordance with established regulations and procedures. May guard prisoners in transit between jail, courtroom, prison, or other point.	1,084	1,149	35	↗	\$19.64	High School None Moderate OJT Military; Apprenticeship; NH License	●	●		●			REC	
Correspondence Clerks (43-4021): Compose letters or electronic correspondence in reply to requests for merchandise, damage claims, credit and other information, delinquent accounts, incorrect billings, or unsatisfactory services. May gather data to formulate reply and prepare	n	n	n	↓	\$20.22	High School None Short OJT	●	●	●	●			CE	
Cost Estimators (13-1051): Prepare cost estimates for product manufacturing, construction projects, or services to aid management in bidding on or determining price of product or service. May specialize according to particular service performed or type of product manufactured.	804	961	42	↑	\$31.63	Bachelor None None Military	●	●	●	●	●		CER	
Costume Attendants (39-3092): Select, fit, and take care of costumes for cast members, and aid entertainers.	n	n	n	↘	n/a	High School None Short OJT Apprenticeship		●		●			CRA	
Counter and Rental Clerks (41-2021): Receive orders, generally in person, for repairs, rentals, and services. May describe available options, compute cost, and accept payment.	1,969	2,130	66	↑	\$14.33	Less than HS None Short OJT	●	●		●			CE	
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop (35-3022): Serve food to diners at counter or from a steam table. Counter attendants who also wait tables are included in Waiters and Waitresses (35-3031).	2,213	2,235	137	↗	\$9.99	Less than HS None Short OJT		●		●			RSE	
Couriers and Messengers (43-5021): Pick up and deliver messages, documents, packages, and other items between offices or departments within an establishment or directly to other business concerns, traveling by foot, bicycle, motorcycle, automobile, or public conveyance.	380	353	5	↓	\$11.88	High School None Short OJT Military		●		●			RCE	
Court Reporters (23-2091): Use verbatim methods and equipment to capture, store, retrieve, and transcribe pretrial and trial proceedings or other information. Includes stenocaptioners who operate computerized captioning equipment to provide captions of broadcasts for hearing-impaired viewers.	78	89	2	↗	n/a	Postsecondary None Short OJT Military; NH License	●	●	●				CES	

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022	Annual Openings	Outlook	Average Wage								
Court, Municipal, and License Clerks (43-4031): Perform clerical duties for courts, municipalities, or government licensing agencies and bureaus. May prepare docket of cases; prepare agendas or bylaws for town or city council; keep fiscal records; issue licenses or permits; and record data or collect fees.	424	473	11	↑	\$17.69	High School None Moderate OJT	●	●	●	●			CES 
Craft Artists (27-1012): Create or reproduce hand-made objects for sale and exhibition using a variety of techniques, such as welding, weaving, pottery, and needlecraft.	63	64	2	↘	\$12.60	High School None Long OJT Military; Apprenticeship		●					ARE 
Crane and Tower Operators (53-7021): Operate mechanical boom and cable or tower and cable equipment to lift and move materials, machines, or products in many directions.	154	188	8	↗	\$22.00	Less than HS <5 years Moderate OJT Military; Apprenticeship							RCI 
Credit Analysts (13-2041): Analyze credit data and financial statements of individuals or firms to determine the degree of risk involved in extending credit or lending money. Prepare reports with credit information for use in decision making.	151	162	5	↘	\$31.44	Bachelor None None	●	●	●	●	●		CEI 
Credit Authorizers, Checkers, and Clerks (43-4041): Authorize credit charges against customer accounts. Investigate history and credit standing of individuals or business establishments applying for credit. May interview applicants, or notify customers of acceptance or rejection of credit.	120	120	1	↓	\$17.57	High School None Short OJT	●	●	●	●			CES 
Credit Counselors (13-2071): Advise and educate individuals or organizations on acquiring and managing debt. May provide guidance on the best loan type and explain requirements or restrictions. May develop debt management plans or provide budget, mortgage, and bankruptcy counseling.	162	190	6	↗	\$23.17	Bachelor None Moderate OJT	●	●	●	●	●		ESC 
Crossing Guards (33-9091): Guide or control vehicular or pedestrian traffic at such places as streets, schools, railroad crossings, or construction sites.	347	410	11	↑	\$12.78	High School None Short OJT		●		●			SER 
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders (51-9021): Set up, operate, or tend machines to crush, grind, or polish materials such as coal, glass, grain, stone, food, or rubber.	156	162	5	↘	\$18.28	High School None Moderate OJT Apprenticeship		●		●			RCI 
Curators (25-4012): Administer collections, such as artwork, collectibles, historic items, or scientific specimens of museums or other institutions. May conduct instructional, research, or public service activities of institution.	78	87	3	↗	\$18.90	Masters None None	●	●	●	●			EC 
Customer Service Representatives (43-4051): Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints. Excludes individuals whose duties are primarily installation, sales, or repair.	8,922	10,206	371	↑	\$17.93	High School None Short OJT Military	●	●		●			ECS 
Cutters and Trimmers, Hand (51-9031): Use hand tools or hand-held power tools to cut and trim a variety of manufactured items, such as carpet, fabric, stone, glass, or rubber.	56	51	1	↓	\$16.56	Less than HS None Short OJT Apprenticeship							RC 

Career Planning Guide 2012 - 2022 Occupation, SOC Code, Definition	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Career
						Education Experience Training Military; Apprenticeship; NH License							Cluster
Cutting and Slicing Machine Setters, Operators, and Tenders (51-9032): Set up, operate, or tend machines that cut or slice materials such as glass, stone, cork, rubber, tobacco, food, paper, or insulating material.	227	205	4	↓	\$17.67	High School None Short OJT Apprenticeship							RC 
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic (51-4031): Set up, operate, or tend machines to saw, cut, shear, slit, punch, crimp, notch, bend, or straighten metal or plastic material.	612	561	5	↓	\$16.38	High School None Moderate OJT Apprenticeship	●	●					RCI 
Data Entry Keyers (43-9021): Operate data entry device, such as keyboard or photo composing perforator. Duties may include verifying data and preparing materials for printing.	1,014	803	12	↘	\$13.72	High School None Moderate OJT Apprenticeship	●	●	●	●			CRE 
Database Administrators (15-1141): Administer, test, and implement computer databases, applying knowledge of database management systems. Coordinate changes to computer databases. May plan, coordinate, and implement security measures to safeguard computer databases.	579	688	22	↑	\$37.96	Bachelor <5 years None Military; Apprenticeship	●	●	●	●			CIE 
Demonstrators and Product Promoters (41-9011): Demonstrate merchandise and answer questions for the purpose of creating public interest in buying the product. May sell demonstrated merchandise.	149	174	6	↗	\$12.14	High School None Short OJT	●	●		●			ECR 
Dental Assistants (31-9091): Assist dentist, set up equipment, prepare patient for treatment, and keep records.	1,246	1,456	47	↑	\$21.43	Postsecondary None None Military; Apprenticeship	●	●		●			CRS 
Dental Hygienists (29-2021): 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.	1,217	1,516	61	↑	\$38.06	Associate None None Military; NH License		●	●	●			SRC 
Dental Laboratory Technicians (51-9081): Construct and repair full or partial dentures or dental appliances.	163	174	7	↘	\$20.11	High School None Moderate OJT Military; Apprenticeship	●	●					RIC 
Dentists (29-1020): Examine, diagnose, and treat diseases, injuries, and malformations of teeth and gums. May treat diseases of nerve, pulp, and other dental tissues affecting oral hygiene and retention of teeth. May fit dental appliances or provide preventive care. Includes all specializations.	586	647	20	↗	\$218-276K	Doctorate None None Military; NH License	●	●	●	●	●	●	IRS 
Desktop Publishers (43-9031): Format typescript and graphic elements using computer software to produce publication-ready material.	71	73	1	↘	\$21.29	Associate None Short OJT Military; Apprenticeship	●	●	●	●			AIC 
Detectives and Criminal Investigators (33-3021): Conduct investigations related to suspected violations of Federal, State, or local laws to prevent or solve crimes.	372	395	10	↘	\$35.22	High School <5 years Moderate OJT Military; NH License	●	●	●	●			EIC 

Career Planning Guide 2012 - 2022	Job Outlook & Wage				Education & Training		Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Career Cluster
Diagnostic Medical Sonographers (29-2032): Produce ultrasonic recordings of internal organs for use by physicians.	238	335	13	↑	\$36.03	Associate None None Military	●	●	●	●	●	●	ISR 
Dietetic Technicians (29-2051): Assist in the provision of food service and nutritional programs, under the supervision of a dietitian. May plan and produce meals based on established guidelines, teach principles of food and nutrition, or counsel individuals.	154	190	6	↗	\$15.95	Associate None None	●	●	●	●	●	●	SIR 
Dietitians and Nutritionists (29-1031): Plan and conduct food service or nutritional programs to assist in the promotion of health and control of disease. May supervise activities of a department providing quantity food services, counsel individuals, or conduct nutritional research.	283	344	9	↗	\$29.40	Bachelor None Internship Military; NH License	●	●	●	●	●	●	ISE 
Dining Room and Cafeteria Attendants and Bartender Helpers (35-9011): Clean tables, remove dirty dishes, replace soiled table linens; set tables; replenish supply of clean linens, silverware, glassware, and dishes; supply service bar with food; and serve items such as water, condiments, and coffee.	928	1,026	51	↑	\$8.97	Less than HS None Short OJT Apprenticeship							RCS 
Directors, Religious Activities and Education (21-2021): Plan, direct, or coordinate programs designed to promote the religious education or activities of a denominational group. May provide counseling and guidance relative to marital, health, financial, and religious problems.	471	499	19	↗	n/a	Bachelor <5 years None Military	●	●	●	●			ESC 
Dishwashers (35-9021): Clean dishes, kitchen, food preparation equipment, or utensils.	2,353	2,533	122	↑	\$9.30	Less than HS None Short OJT							RCE 
Dispatchers, Except Police, Fire, and Ambulance (43-5032): Schedule and dispatch workers, work crews, equipment, or service vehicles for conveyance of materials, freight or passengers, or for normal installation, service, or emergency repairs rendered outside the place of business.	771	812	26	↗	\$19.44	High School None Moderate OJT Military; Apprenticeship	●	●	●	●			CRE 
Door-to-Door Sales Workers, News and Street Vendors, and Related Workers (41-9091): Sell goods or services door-to-door or on the street.	187	157	2	↓	\$11.23	High School None Short OJT NH License	●	●	●	●			EC 
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032): Set up, operate, or tend drilling machines to drill, bore, ream, mill, or countersink metal or plastic work pieces.	69	58	1	↓	\$17.28	High School None Moderate OJT							RCI 
Driver/Sales Workers (53-3031): Drive truck or other vehicle over established routes or within a set territory and sell or deliver goods such as food products, including restaurant take-out; or pick up or deliver items such as commercial laundry. May take orders, collect payment, or stock merchandise.	2,631	2,926	72	↑	\$13.19	High School None Short OJT		●		●			REC 
Drywall and Ceiling Tile Installers (47-2081): Apply plasterboard or other wallboard to ceilings or interior walls of buildings. Apply or mount acoustical tiles or blocks, strips, or sheets of shock-absorbing materials to ceilings and walls of buildings to reduce or reflect sound.	436	470	7	↗	\$20.92	Less than HS None Moderate OJT Apprenticeship		●		●			RCI 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022	Annual Openings	Outlook	Average Wage								
Earth Drillers, Except Oil and Gas (47-5021): Operate a variety of drills such as rotary, churn, and pneumatic to tap sub-surface water and salt deposits, to remove core samples during mineral exploration or soil testing, and to facilitate the use of explosives in mining or construction.	142	157	6	↗	\$21.19	High School None Moderate OJT Military; Apprenticeship; NH License							RIC 
Economists (19-3011): Conduct research, prepare reports, or formulate plans to address economic problems related to the production and distribution of goods and services or monetary and fiscal policy. May collect and process economic or statistical data using sampling or econometric methods.	20	21	1	↘	\$36.10	Masters None None	●	●	●	●	●		ICE 
Editors (27-3041): Plan, coordinate, or edit content of material for publication. May review proposals and drafts for possible publication. Includes technical editors.	358	365	10	↘	\$24.31	Bachelor <5 years None Military	●	●	●	●			AEC 
Education Administrators, Elementary and Secondary School (11-9032): Plan, direct, or coordinate the academic, administrative, or auxiliary activities of public or private elementary or secondary level schools.	1,225	1,276	38	↗	\$82,373	Masters 5+ years None NH License	●	●	●	●	●		ESC 
Education Administrators, Postsecondary (11-9033): Plan, direct, or coordinate research, instructional, student administration and services, and other educational activities at postsecondary institutions, including universities, colleges, and junior and community colleges.	728	798	26	↗	\$45.91	Masters 5+ years None	●	●	●	●			ECS 
Education Administrators, Preschool and Childcare Center/Program (11-9031): Plan, direct, or coordinate the academic and non-academic activities of preschool and childcare centers or programs.	300	344	12	↗	\$22.48	Bachelor <5 years None NH License	●	●	●	●			ESC 
Educational, Guidance, School, and Vocational Counselors (21-1012): Counsel individuals and provide group educational and vocational guidance services.	1,337	1,447	39	↗	\$26.40	Masters None None Apprenticeship; NH License	●	●	●	●			SAE 
Electric Motor, Power Tool, and Related Repairers (49-2092): Repair, maintain, or install electric motors, wiring, or switches.	56	53	1	↘	n/a	Postsecondary None Long OJT Military; Apprenticeship	●	●					RCI 
Electrical and Electronic Engineering Technicians (17-3023): Apply electrical and electronic theory and related knowledge, usually under the direction of engineers, to design, build, repair, calibrate, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use.	2,595	2,557	17	↘	\$26.62	Associate None None Military; Apprenticeship	●	●	●	●			RIC 
Electrical and Electronic Equipment Assemblers (51-2022): Assemble or modify electrical or electronic equipment, such as computers, test equipment telemetering systems, electric motors, and batteries.	121	127	32	↘	\$15.17	High School None Short OJT Apprenticeship	●						RCE 
Electrical and Electronics Drafters (17-3012): Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical equipment.	831	800	17	↘	\$27.40	Associate None None Apprenticeship	●	●		●			RCI 

Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Career Cluster
Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093): Install, adjust, or maintain mobile electronics communication equipment, including sound, sonar, security, navigation, and surveillance systems on trains, watercraft, or other mobile equipment.	n	n	n	↓	\$25.37	Postsecondary None Long OJT Military; Apprenticeship		●					RCI 
Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094): Repair, test, adjust, or install electronic equipment, such as industrial controls, transmitters, and antennas.	344	355	8	↘	\$25.80	Postsecondary None Long OJT Military; Apprenticeship	●	●	●	●			RIC 
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095): Inspect, test, repair, or maintain electrical equipment in generating stations, substations, and inservice relays.	n	n	n	↘	\$35.03	Postsecondary None Long OJT Military; Apprenticeship	●	●		●			RCI 
Electrical Engineers (17-2071): Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use.	1,181	1,194	27	↗	\$46.54	Bachelor None None Military; NH License	●	●	●	●	●	●	IRC 
Electrical Power-Line Installers and Repairers (49-9051): Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty transmission towers.	722	773	30	↗	\$34.45	High School None Long OJT Military; Apprenticeship; NH License		●		●			RIC 
Electricians (47-2111): 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.	2,381	2,778	85	↑	\$23.10	High School None Apprentice Military; NH License		●		●			RIC 
Electromechanical Equipment Assemblers (51-2023): Assemble or modify electromechanical equipment or devices, such as servomechanisms, gyros, dynamometers, magnetic drums, tape drives, brakes, control linkage, actuators, and appliances.	926	952	14	↗	\$17.22	High School None Short OJT Apprenticeship	●						RCI 
Electro-Mechanical Technicians (17-3024): Operate, test, maintain, or calibrate unmanned, robotic, servo-mechanical, or electromechanical equipment. May operate unmanned submarines, aircraft, or other equipment at worksites, such as oil rigs or hazardous waste removal.	50	45	1	↓	\$27.17	Associate None None Military; Apprenticeship	●	●	●	●			RIC 
Electronic Equipment Installers and Repairers, Motor Vehicles (49-2096): Install, diagnose, or repair communications, sound, security, or navigation equipment in motor vehicles.	n	n	n	↓	\$15.62	Postsecondary None Short OJT Military; Apprenticeship	●	●		●			RIC 
Electronic Home Entertainment Equipment Installers and Repairers (49-2097): Repair, adjust, or install audio or television receivers, stereo systems, camcorders, video systems, or other electronic home entertainment equipment.	n	n	n	↑	\$20.75	Postsecondary None None Military; Apprenticeship	●	●		●			RC 
Electronics Engineers, Except Computer (17-2072): Research, design, develop, or test electronic components and systems for commercial, industrial, military, or scientific use, employing knowledge of electronic theory and materials properties. Design electronic circuits and components.	494	517	13	↗	\$45.76	Bachelor None None Military; NH License	●	●	●	●	●		IRA 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Career
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Cluster
Elementary School Teachers, Except Special Education (25-2021): Teach students basic academic, social, and other formative skills in public or private schools at the elementary level.	6,412	7,098	210	↑	\$54,776	Bachelor None Internship NH License	●	●	●	●			SAC 
Elevator Installers and Repairers (47-4021): Assemble, install, repair, or maintain electric or hydraulic freight or passenger elevators, escalators, or dumbwaiters.	n	n	n	↗	n/a	High School None Apprentice Military; NH License	●	●		●			RIC 
Eligibility Interviewers, Government Programs (43-4061): Determine eligibility of persons applying to receive assistance from government programs and agency resources, such as welfare, unemployment benefits, social security, and public housing.	422	488	15	↑	\$18.92	High School None Moderate OJT	●	●	●	●			SCE 
Embalmers (39-4011): Prepare bodies for interment in conformity with legal requirements.	n	n	n	↓	n/a	Postsecondary None Short OJT Military; Apprenticeship; NH License		●		●			RCI 
Emergency Management Directors (11-9161): Plan and direct disaster response, crisis management, or disaster preparedness training, and prepare emergency plans and procedures for natural (hurricanes, floods, earthquakes), wartime, or technological (nuclear or hazardous spill) disasters.	65	70	1	↘	\$26.69	Bachelor 5+ years None Military; Apprenticeship	●	●	●	●			SE 
Emergency Medical Technicians and Paramedics (29-2041): Assess injuries, administer emergency medical care, and extricate trapped individuals. Transport injured or sick persons to medical facilities.	1,182	1,403	54	↑	\$17.33	Postsecondary None None Military; Apprenticeship; NH License	●	●	●	●		●	SIR 
Engine and Other Machine Assemblers (51-2031): Construct, assemble, or rebuild machines such as engines, turbines, and similar equipment used in such industries as construction, extraction, textiles, and paper manufacturing.	239	254	6	↘	\$20.90	High School None Short OJT Apprenticeship	●	●					RCI 
Environmental Engineering Technicians (17-3025): Apply theory and principles of environmental engineering to modify, test, and operate equipment and devices used in the prevention, control, and remediation of environmental pollution, including waste treatment and site remediation.	25	26	0	↓	n/a	Associate None None	●	●	●	●	●	●	RIC 
Environmental Engineers (17-2081): Research, design, plan, or perform engineering duties in the prevention, control, and remediation of environmental hazards using various engineering disciplines. Work may include waste treatment, site remediation, or pollution control technology.	235	284	11	↑	\$40.57	Bachelor None None Military; NH License	●	●	●	●	●	●	IRC 
Environmental Science and Protection Technicians, Including Health (19-4091): Perform laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health, under the direction of an environmental scientist, engineer, or other specialist.	225	271	14	↑	\$19.08	Associate None None Apprenticeship; NH License	●	●	●	●	●	●	IRC 
Environmental Scientists and Specialists, Including Health (19-2041): Conduct research or perform investigations for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population.	432	509	21	↑	\$34.12	Bachelor None None Military; Apprenticeship; NH License	●	●	●	●		●	IRC 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Career Cluster
Epidemiologists (19-1041): Investigate and describe the determinants and distribution of disease, disability, and other health outcomes, and develop the means for prevention and control.	n	n	n	↘	n/a	Masters None None	●	●	●	●	●	●	ISR 
Etchers and Engravers (51-9194): Engrave or etch metal, wood, rubber, or other materials. Includes such workers as etcher-circuit processors, pantograph engravers, and silk screen etchers.	n	n	n	↓	\$13.06	High School None Moderate OJT Apprenticeship		●		●			RCA 
Excavating and Loading Machine and Dragline Operators (53-7032): Operate or tend machinery equipped with scoops, shovels, or buckets to excavate and load loose materials.	398	452	8	↗	\$20.45	High School <5 years Moderate OJT Apprenticeship							RE 
Executive Secretaries and Executive Administrative Assistants (43-6011): Provide high-level administrative support. Conduct research, prepare statistical reports, handle information requests, prepare correspondence, receive visitors, arrange conference calls, and schedule meetings.	1,867	1,779	22	↘	\$25.75	High School <5 years None Military	●	●	●	●			CES 
Exercise Physiologists (29-1128): Assess, plan, or implement fitness programs that include exercise or physical activities such as those designed to improve cardiorespiratory function, body composition, muscular strength, muscular endurance, or flexibility.	41	43	0	↓	\$22.73	Bachelor None None	●	●	●	●			SIR 
Explosives Workers, Ordnance Handling Experts, and Blasters (47-5031): Place and detonate explosives to demolish structures or to loosen, remove, or displace earth, rock, or other materials. May perform specialized handling, storage, and accounting procedures.	n	n	n	↘	n/a	High School < 5 Years Long OJT Military; Apprenticeship; NH License	●	●		●			RIC 
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021): Set up, operate, or tend machines to extrude or draw thermoplastic or metal materials into tubes, rods, hoses, wire, bars, or structural shapes.	382	330	7	↘	\$16.86	High School None Moderate OJT Apprenticeship							RC 
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091): Set up, operate, or tend machines that extrude and form continuous filaments from synthetic materials such as liquid polymer, rayon, and fiberglass.	73	71	1	↓	n/a	High School None Moderate OJT		●		●			RC 
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders (51-9041): Set up, operate, or tend machines such as glass forming, plodder, or tuber machines to shape and form products, such as glassware, food, rubber, soap, brick, tile, clay, wax, tobacco, or cosmetics.	566	538	15	↘	\$14.62	High School None Moderate OJT Apprenticeship	●	●		●			RCI 
Fabric and Apparel Patternmakers (51-6092): Draw and construct sets of precision master fabric patterns or layouts. May also mark and cut fabrics and apparel.	n	n	n	↘	n/a	High School None Moderate OJT Apprenticeship	●	●	●	●	●		RAC 
Fabric Menders, Except Garment (49-9093): Repair tears, holes, and other defects in fabrics such as draperies, linens, parachutes, and tents.	n	n	n	↓	n/a	Less than HS None Long OJT Military; Apprenticeship							RC 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career
	2012	2022	Annual Openings	Outlook	Average Wage								Cluster
Fallers (45-4021): Use axes or chainsaws to fell trees using knowledge of tree characteristics and cutting techniques to control direction of fall and minimize tree damage.	46	27	1	↓	n/a	High School None Moderate OJT Apprenticeship							RC 
Farm Equipment Mechanics and Service Technicians (49-3041): Diagnose, adjust, repair, or overhaul farm machinery and vehicles such as tractors, harvesters, dairy equipment, and irrigation systems.	64	70	3	↘	\$21.54	High School None Long OJT Apprenticeship		●		●			RCI 
Farmers, Ranchers, and Other Agricultural Managers (11-9013): Plan, direct, or coordinate the management or operation of farms, ranches, greenhouses, aquacultural operations, nurseries, timber tracts, or other agricultural establishments.	4,272	4,653	107	↑	n/a	High School 5+ years None Apprenticeship	●	●	●	●			ERC 
Farmworkers and Laborers, Crop, Nursery, and Greenhouse (45-2092): Manually plant, cultivate, and harvest vegetables, fruits, nuts, horticultural specialties, and field crops. Use hand tools such as shovels, trowels, hoes, tampers, pruning hooks, shears, and knives.	1,023	1,033	32	↗	\$12.36	Less than HS None Short OJT							RC 
Farmworkers, Farm, Ranch, and Aquacultural Animals (45-2093): Attend to live farm, ranch, or aquacultural animals that may include cattle, sheep, swine, goats, horses and other equines, poultry, finfish, shellfish, and bees.	238	264	10	↗	\$11.96	Less than HS None Short OJT Apprenticeship		●		●			RC 
Fashion Designers (27-1022): Design clothing and accessories. Create original designs or adapt fashion trends.	52	54	1	↘	\$35.20	Bachelor None None Apprenticeship	●	●	●	●			AER 
Fence Erectors (47-4031): Erect and repair fences and fence gates, using hand and power tools.	180	196	6	↗	n/a	High School None Moderate OJT Apprenticeship		●					RC 
Fiberglass Laminators and Fabricators (51-2091): Laminate layers of fiberglass on molds to form boat decks and hulls, bodies for golf carts, automobiles, or other products.	n	n	n	↓	n/a	High school None Moderate OJT Apprenticeship		●		●			RCI 
File Clerks (43-4071): File correspondence, cards, invoices, receipts, and other records in alphabetical or numerical order or according to the filing system used. Locate and remove material from file when requested.	621	589	14	↘	\$12.06	High School None Short OJT	●	●	●	●			CRE 
Film and Video Editors (27-4032): Edit moving images on film, video, or other media. May edit or synchronize soundtracks with images.	44	47	0	↘	n/a	Bachelor None None Military; Apprenticeship	●	●	●	●			AEI 
Financial Analysts (13-2051): Conduct quantitative analyses of information affecting investment programs of public or private institutions.	786	946	35	↑	\$38.51	Bachelor None None	●	●	●	●	●		CIE 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage				Education & Training		Basic Skills					Interests	
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Career Cluster
Financial Examiners (13-2061): Enforce or ensure compliance with laws and regulations governing financial and securities institutions and financial and real estate transactions. May examine, verify, or authenticate records.	149	164	6	↗	n/a	Bachelor None Moderate OJT	●	●	●	●	●		ECI 
Financial Managers (11-3031): Plan, direct, or coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment.	3,432	3,756	96	↑	\$53.99	Bachelor 5+ years None Military	●	●	●	●	●		EC 
Fine Artists, Including Painters, Sculptors, and Illustrators (27-1013): Create original artwork using any of a wide variety of media and techniques.	n	n	n	↓	n/a	High School None Long OJT Military; Apprenticeship		●					ARE 
Fire Inspectors and Investigators (33-2021): Inspect buildings to detect fire hazards and enforce local ordinances and State laws, or investigate and gather facts to determine cause of fires and explosions.	57	60	2	↘	\$26.01	High School 5+ years Moderate OJT; Apprenticeship; NH License	●	●	●	●			RCI 
Firefighters (33-2011): Control and extinguish fires or respond to emergency situations where life, property, or the environment is at risk. Duties may include fire prevention, emergency medical service, hazardous material response, search and rescue, and disaster assistance.	1,471	1,594	52	↑	\$20.89	Postsecondary None Long OJT Military; Apprenticeship; NH License	●	●		●			RS 
First-Line Supervisors of Construction and Extraction Workers (47-1011): Directly supervise and coordinate activities of construction or extraction workers.	2,864	3,265	71	↑	\$28.52	High School 5+ years None Military	●	●		●			ERC 
First-Line Supervisors of Correctional Officers (33-1011): Directly supervise and coordinate activities of correctional officers and jailers.	115	121	5	↘	\$26.82	High School <5 years Moderate OJT Military; NH License	●	●	●	●			ECR 
First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011): Directly supervise and coordinate the activities of agricultural, forestry, aquacultural, and related workers.	98	97	2	↓	\$25.97	High School <5 years None Apprenticeship	●	●		●			ERC 
First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021): Directly supervise and coordinate activities of workers engaged in fire fighting and fire prevention and control.	443	474	22	↗	\$30.24	Postsecondary <5 years Moderate OJT; Military; Apprenticeship; NH License	●	●	●	●			ER 
First-Line Supervisors of Food Preparation and Serving Workers (35-1012): Directly supervise and coordinate activities of workers engaged in preparing and serving food.	3,707	4,240	158	↑	\$16.57	High School <5 years None Military	●	●		●			ECR 
First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand (53-1021): Directly supervise and coordinate the activities of helpers, laborers, or material movers.	471	523	18	↗	\$23.11	High School <5 years None	●	●		●			ERC 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage				Education & Training		Basic Skills					Interests		
	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster	
First-Line Supervisors of Housekeeping and Janitorial Workers (37-1011): Directly supervise and coordinate work activities of cleaning personnel in hotels, hospitals, offices, and other establishments.	1,029	1,167	39	↑	\$19.47	High School <5 years None Military; Apprenticeship	●	●		●			ECR	
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers (37-1012): Directly supervise and coordinate activities of workers engaged in landscaping or groundskeeping activities. May review contracts, answer inquiries from potential customers, and prepare cost estimates.	1,136	1,278	27	↑	\$21.96	High School <5 years None	●	●	●	●			ERC	
First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011): Directly supervise and coordinate the activities of mechanics, installers, and repairers. Excludes team or work leaders.	2,180	2,322	73	↗	\$32.22	High School <5 years None Military	●	●	●	●			ECR	
First-Line Supervisors of Non-Retail Sales Workers (41-1012): Directly supervise and coordinate activities of sales workers other than retail sales workers. May perform duties such as budgeting, accounting, and personnel work, in addition to supervisory duties.	2,185	2,195	29	↗	\$47.41	High School <5 years None	●	●	●	●	●		ECS	
First-Line Supervisors of Office and Administrative Support Workers (43-1011): Directly supervise and coordinate the activities of clerical and administrative support workers.	7,103	7,972	255	↑	\$25.55	High School <5 years None Military	●	●	●	●			ECS	
First-Line Supervisors of Personal Service Workers (39-1021): Directly supervise and coordinate activities of personal service workers, such as flight attendants, hairdressers, or caddies.	913	1,012	27	↗	\$16.82	High School <5 years None Military	●	●	●	●			ECS	
First-Line Supervisors of Police and Detectives (33-1012): Directly supervise and coordinate activities of members of police force.	486	517	17	↗	\$36.03	High School <5 years Moderate OJT; Military; NH License	●	●	●	●			ESC	
First-Line Supervisors of Production and Operating Workers (51-1011): Directly supervise and coordinate the activities of production and operating workers, such as inspectors, precision workers, machine setters and operators, assemblers, fabricators, and plant and system operators.	3,027	3,057	46	↗	\$28.44	Postsecondary <5 years None Military; NH License	●	●	●	●			ERC	
First-Line Supervisors of Retail Sales Workers (41-1011): Directly supervise and coordinate activities of retail sales workers in an establishment or department. Duties may include management functions such as purchasing, budgeting, accounting, and personnel work, in addition to supervisory duties.	10,000	10,308	249	↗	\$21.30	High School <5 years None Military; Apprenticeship		●		●			ECS	
First-Line Supervisors of Transportation and Material-Moving Machine or Vehicle Operators (53-1031): Directly supervise and coordinate activities of transportation and material-moving machine or vehicle operators and helpers.	723	793	27	↗	\$27.62	High School <5 years None Military	●	●	●	●			ECR	
Fish and Game Wardens (33-3031): Patrol assigned area to prevent fish and game law violations. Investigate reports of damage to crops or property by wildlife. Compile biological data.	46	48	1	↓	n/a	High School None Short OJT Apprenticeship; NH License	●	●	●	●			RIS	

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training		Basic Skills					Interests		
	Employment		Average	Job	May 2014	Entry-Level		Reading	Listening	Writing	Speaking	Math	Science	Career	Cluster
	2012	2022	Annual Openings	Outlook	Average Wage	Education	Experience Training Military; Apprenticeship; NH License								
Fishers and Related Fishing Workers (45-3011): Use nets, fishing rods, traps, or other equipment to catch and gather fish or other aquatic animals from rivers, lakes, or oceans for human consumption or other uses. May haul game onto ship.	n	n	n	↓	n/a	Less than HS None Moderate OJT				●				RE	
Fitness Trainers and Aerobics Instructors (39-9031): Instruct or coach groups or individuals in exercise activities. Demonstrate techniques and form, observe participants, and explain to them corrective measures necessary to improve their skills.	2,065	2,333	51	↑	\$17.56	High School None Short OJT		●		●				SRE	
Flight Attendants (53-2031): Provide personal services to ensure the safety, security, and comfort of airline passengers during flight. Greet passengers, verify tickets, explain use of safety equipment, and serve food or beverages.	n	n	n	↓	n/a	High School <5 years Moderate OJT Military		●		●				ESC	
Floor Layers, Except Carpet, Wood, and Hard Tiles (47-2042): Apply blocks, strips, or sheets of shock-absorbing, sound-deadening, or decorative coverings to floors.	32	35	1	↘	n/a	High School None Moderate OJT Apprenticeship		●		●				RCI	
Floor Sanders and Finishers (47-2043): Scrape and sand wooden floors to smooth surfaces using floor scraper and floor sanding machine, and apply coats of finish.	75	82	2	↘	\$16.93	High School None Moderate OJT		●						RC	
Floral Designers (27-1023): Design, cut, and arrange live, dried, or artificial flowers and foliage.	299	277	8	↘	\$12.95	High School None Moderate OJT Apprenticeship		●		●				AER	
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders (51-3091): Operate or tend food or tobacco roasting, baking, or drying equipment, including hearth ovens, kiln driers, roasters, char kilns, and vacuum drying equipment.	54	63	2	↗	\$13.12	Less than HS None Moderate OJT	●	●						RC	
Food Batchmakers (51-3092): Set up and operate equipment that mixes or blends ingredients used in the manufacturing of food products. Includes candy makers and cheese makers.	168	199	9	↗	\$11.45	High School None Moderate OJT Apprenticeship	●							RCI	
Food Cooking Machine Operators and Tenders (51-3093): Operate or tend cooking equipment, such as steam cooking vats, deep fry cookers, pressure cookers, kettles, and boilers to prepare food products.	n	n	n	↘	\$15.15	High School None Moderate OJT	●			●				RCI	
Food Preparation Workers (35-2021): Perform a variety of food preparation duties other than cooking, such as preparing cold foods and shellfish, slicing meat, and brewing coffee or tea.	2,473	2,601	84	↗	\$10.74	Less than HS None Short OJT Military		●						RC	
Food Scientists and Technologists (19-1012): Use chemistry, microbiology, engineering, and other sciences to study food processing and deterioration; analyze food to determine vitamins, fat, sugar, and protein; discover new food sources; and find ways to package, preserve, store, or distribute food.	23	25	1	↘	n/a	Bachelor None None Military	●	●	●	●	●	●		IRC	

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Career Planning Guide 2012 - 2022 Occupation, SOC Code, Definition	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
							●	●	●	●	●	●	
Food Servers, Nonrestaurant (35-3041): Serve food to individuals outside of a restaurant environment, such as in hotel rooms, hospital rooms, residential care facilities, or cars.	1,238	1,532	65	↑	\$10.21	Less than HS None Short OJT		●		●			SER 
Food Service Managers (11-9051): Plan, direct, or coordinate activities of an organization or department that serves food and beverages. Excludes “Chefs and Head Cooks” (35-1011).	1,424	1,465	29	↗	\$26.00	High School <5 years None Military; Apprenticeship	●	●	●	●			ECR 
Forensic Science Technicians (19-4092): Collect, identify, classify, and analyze physical evidence related to criminal investigations. Perform tests on weapons or substances such as fiber, hair, and tissue. May testify as expert witness on evidence or crime lab techniques.	39	42	2	↘	\$30.85	Bachelor None Moderate OJT Apprenticeship	●	●	●	●		●	IRC 
Forest and Conservation Technicians (19-4093): Provide technical assistance regarding the conservation of soil, water, forests, or natural resources. May compile data on the characteristics of forest tracts, or train and lead forest workers in forest propagation and fire prevention and suppression.	71	70	3	↓	\$18.76	Associate None None	●	●		●			RIE 
Forest and Conservation Workers (45-4011): Perform manual labor necessary to develop, maintain, or protect areas such as forests, woodlands, wetlands, and rangelands by raising seedlings, combating insects, pests, and diseases, and controlling water, erosion, and leaching of soil.	24	25	0	↓	n/a	High School None Moderate OJT	●	●		●			RCI 
Forest Fire Inspectors and Prevention Specialists (33-2022): Enforce fire regulations, inspect forest for fire hazards, and recommend forest fire prevention or control measures. May report forest fires and weather conditions.	186	198	7	↘	\$14.76	High School <5 years Moderate OJT	●	●	●	●			RCE 
Foresters (19-1032): Manage public and private forested lands for economic, recreational, and conservation purposes. May inventory type, amount, and location of standing timber, and appraise worth. May determine how to conserve wildlife habitats, creek beds, water quality, and soil stability.	65	79	3	↗	\$30.17	Bachelor None None NH License	●	●	●	●		●	RIE 
Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022): Set up, operate, or tend forging machines to taper, shape, or form metal or plastic parts.	n	n	n	↓	\$18.67	High school None Moderate OJT Apprenticeship							RCI 
Foundry Mold and Coremakers (51-4071): Make or form wax or sand cores or molds used in the production of metal castings in foundries.	355	333	4	↓	\$15.34	High School None Moderate OJT Apprenticeship							RCI 
Fundraisers (13-1131): Organize activities to raise funds or otherwise solicit and gather monetary donations or other gifts for an organization. May design and produce promotional materials. May also raise awareness of the organization's work, goals, and financial needs.	399	457	14	↑	\$24.51	Bachelor None None	●	●	●	●	●	●	ECA 
Funeral Attendants (39-4021): Perform a variety of tasks during funeral, such as placing casket in parlor or chapel prior to service; arranging floral offerings or lights around casket; directing or escorting mourners; closing casket; and issuing and storing funeral equipment.	44	45	1	↘	\$16.66	High School None Short OJT Military		●		●			SER 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training		Basic Skills						Interests	
	Employment		Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level		Reading	Listening	Writing	Speaking	Math	Science	Career Cluster	
	2012	2022				Education Experience Training	Military; Apprenticeship; NH License								
Funeral Service Managers (11-9061): Plan, direct, or coordinate the services or resources of funeral homes. Includes activities such as determining prices for services or merchandise, and managing the facilities of funeral homes.	n	n	n	↘	n/a	Associates <5 years None	Military; Apprenticeship; NH License	●	●	●	●	●	●	ECS	
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051): Operate or tend heating equipment other than basic metal, plastic, or food processing equipment. Includes activities, such as annealing glass, drying lumber, curing rubber, removing moisture from materials, or boiling soap.	62	62	2	↓	\$15.95	High School None Moderate OJT	Apprenticeship							RCI	
Furniture Finishers (51-7021): Shape, finish, and refinish damaged, worn, or used furniture or new high-grade furniture to specified color or finish.	64	72	2	↗	\$14.78	High School None Short OJT	Apprenticeship							RAC	
Gaming Cage Workers (43-3041): Conduct financial transactions for gaming establishment patrons. May reconcile daily transactions to balance books; accept patron's credit application and verify credit references to establish house accounts; or sell gambling chips, tokens, or tickets to patrons.	n	n	n	↘	n/a	High school None Short OJT		●		●	●			CER	
Gaming Dealers (39-3011): Operate table games. Stand or sit behind table and operate games of chance by dispensing the appropriate number of cards or blocks to players, or operating other gaming equipment. Distribute winnings or collect players' money or chips.	n	n	n	↗	\$9.84	High School None Short OJT	NH License		●		●			CER	
Gaming Managers (11-9071): Plan, direct, or coordinate gaming operations in a casino. May formulate house rules.	n	n	n	↓	n/a	High School <5 years None	NH License	●	●	●	●			ECR	
Gaming Supervisors (39-1011): Supervise and coordinate activities of workers in assigned gaming areas. Circulate among tables and observe operations. Ensure that stations and games are covered for each shift. May explain and interpret operating rules of house to patrons.	56	60	1	↘	\$13.86	High School <5 years None	NH License		●		●			ECS	
Gas Plant Operators (51-8092): Distribute or process gas for utility companies and others by controlling compressors to maintain specified pressures on main pipelines.	31	28	1	↓	n/a	High school None Long OJT		●	●	●	●			RCI	
General and Operations Managers (11-1021): Plan, direct, or coordinate the operations of public or private sector organizations. Duties include formulating policies, managing operations, and planning use of materials and human resources, but are too diverse to be classified in any one functional area.	7,763	8,640	233	↑	\$57.33	Bachelor <5 years None	Military	●	●	●	●			ECS	
Genetic Counselors (29-9092): 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 to individuals and families concerned with the risk of inherited conditions.	n	n	n	↗	n/a	Masters None None	NH License	●	●	●	●			SIA	
Geological and Petroleum Technicians (19-4041): Assist scientists or engineers in the use of electronic, sonic, or nuclear measuring instruments in both laboratory and production activities to obtain data indicating potential resources such as metallic ore, minerals, gas, coal, or petroleum.	n	n	n	↘	\$18.89	Associate None Moderate OJT	Military; Apprenticeship	●	●	●	●			RIC	

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	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022	Annual Openings	Outlook	Average Wage								
Geoscientists, Except Hydrologists and Geographers (19-2042): Study the composition, structure, and other physical aspects of the Earth. May use geological, physics, and math knowledge to explore for oil, gas, minerals, or water. May study the earth's internal composition, atmospheres, and oceans.	79	91	3	↗	\$39.27	Bachelor None None Military; NH License	●	●	●	●	●	●	IRC 
Glaziers (47-2121): Install glass in windows, skylights, store fronts, and display cases, or on surfaces such as building fronts, interior walls, ceilings, and tabletops.	154	172	6	↗	\$18.05	High School None Apprentice	●			●			RCE 
Graders and Sorters, Agricultural Products (45-2041): Grade, sort, or classify unprocessed food and other agricultural products by size, weight, color, or condition.	39	39	1	↘	n/a	Less than HS None Short OJT							RCI 
Graphic Designers (27-1024): Design or create graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. May use a variety of mediums to achieve artistic or decorative effects.	1,086	1,188	39	↗	\$21.66	Bachelor None None Military; Apprenticeship	●	●	●	●			ARE 
Grinding and Polishing Workers, Hand (51-9022): Grind, sand, or polish - using hand tools or hand-held power tools - a variety of metal, wood, stone, clay, plastic, or glass objects. Includes chippers, buffers, and finishers.	175	181	6	↘	\$15.98	Less than HS None Moderate OJT							RCI 
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4033): Set up, operate, or tend grinding and related tools that remove excess material or burrs from surfaces, sharpen edges or corners, or buff, hone, or polish metal or plastic work pieces.	1,030	959	23	↘	\$18.15	High School None Moderate OJT Apprenticeship	●	●					RC 
Hairdressers, Hairstylists, and Cosmetologists (39-5012): Provide beauty services such as shampooing, cutting, coloring, and styling hair, and massaging and treating scalp. May apply makeup, dress wigs, perform hair removal, and provide nail and skin care services.	4,572	5,109	161	↗	\$12.61	Postsecondary None None Apprenticeship; NH License		●		●			AES 
Hazardous Materials Removal Workers (47-4041): Identify, remove, pack, transport, or dispose of hazardous materials such as asbestos, lead paint, waste oil, fuel, radioactive materials, or contaminated soil. Training and certification in hazardous materials handling are usually required.	108	128	4	↗	\$17.60	High School None Moderate OJT Military; NH License	●	●	●	●			RCI 
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111): Promote worksite or product safety by applying knowledge of industrial processes, mechanics, chemistry, psychology, and industrial health and safety laws. Includes industrial product safety engineers.	50	53	2	↘	\$39.78	Bachelor None None Military; NH License	●	●	●	●		●	IRC 
Health Educators (21-1091): Provide and manage health education programs that help individuals, families, and communities maintain healthy lifestyles. Collect and analyze data to identify community needs. Serve as resource to assist individuals, other health professionals, or the community.	250	314	12	↗	\$23.94	Bachelor None None Apprenticeship	●	●	●	●			SEA 
Healthcare Social Workers (21-1022): Provide individuals, families, and groups with the psychosocial support needed to cope with chronic, acute, or terminal illnesses. Advise family caregivers, provide patient education and counseling, and make referrals for other services.	473	589	22	↗	\$27.71	Masters None None NH License	●	●	●	●			SIA 

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	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							
Hearing Aid Specialists (29-2092): Select and fit hearing aids for customers. Administer and interpret tests of hearing. Assess hearing instrument efficacy. Take ear impressions and prepare, design, and modify ear molds.	n	n	n	↓	n/a	High School None None NH License	●	●		●			SIR 
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191): Set up, operate, or tend equipment such as heat-treating furnaces, flame-hardening machines, induction machines, soaking pits, or vacuum equipment to temper, harden, anneal, or heat-treat metal or plastic objects.	66	68	1	↘	\$19.01	High School None Moderate OJT Military; Apprenticeship		●					RC 
Heating, Air Conditioning, and Refrigeration Mechanics and Installers (49-9021): Install or repair heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves.	1,106	1,192	37	↗	\$24.58	Postsecondary None Long OJT Military; Apprenticeship; NH License	●	●		●			RCI 
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters (47-3011): Help brick, block, or stonemasons, or tile and marble setters by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.	188	244	9	↗	\$16.14	Less than HS None Short OJT Apprenticeship							RC 
Helpers--Carpenters (47-3012): Help carpenters by performing duties requiring less skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment.	147	173	5	↗	\$13.74	Less than HS None Short OJT							RCE 
Helpers--Electricians (47-3013): Help electricians by performing duties requiring less skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment.	71	93	3	↗	\$13.23	High School None Short OJT		●					RCI 
Helpers--Extraction Workers (47-5081): Help extraction craft workers, such as earth drillers, blasters and explosives workers, derrick operators, and mining machine operators by performing duties requiring less skill. Duties include supplying equipment or cleaning work area.	52	58	2	↗	\$16.35	High School None Moderate OJT Apprenticeship		●					RCI 
Helpers--Installation, Maintenance, and Repair Workers (49-9098): Help installation, maintenance, and repair workers to maintain and repair vehicles, machinery, and equipment. Perform duties such as furnishing or holding tools, materials, and supplies, or cleaning work area, machines, and tools.	432	465	16	↗	\$12.44	High School None Moderate OJT Apprenticeship		●					RCI 
Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons (47-3014): Help painters, paperhangers, plasterers, or stucco masons by performing duties requiring less skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment.	n	n	n	↓	n/a	Less than HS None Short OJT							RCE 
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015): Help plumbers, pipefitters, steamfitters, or pipelayers by performing duties requiring less skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment.	73	88	3	↗	\$14.75	High School None Short OJT							RC 
Helpers--Production Workers (51-9198): Help production workers by performing duties requiring less skill. Duties include supplying or holding materials or tools, and cleaning work area and equipment.	1,491	1,627	40	↗	\$11.88	Less than HS None Short OJT Military							RCI 

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	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Cluster
Helpers--Roofers (47-3016): Help roofers by performing duties requiring less skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment.	n	n	n	↘	\$11.81	Less than HS None Short OJT							RC 
Highway Maintenance Workers (47-4051): Maintain highways, municipal and rural roads, airport runways, and rights-of-way. Patch broken or eroded pavement, and repair guard rails, highway markers, and snow fences. May mow or clear brush from along road or plow snow from roadway.	1,837	1,953	39	↗	\$16.19	High School None Moderate OJT		●		●			RCI 
Historians (19-3093): Research, analyze, record, and interpret the past as recorded in sources such as government and institutional records, newspapers and other periodicals, photographs, interviews, films, electronic media, and unpublished manuscripts, such as personal diaries and letters.	n	n	n	↘	n/a	Masters None None Military; Apprenticeship	●	●	●	●			IC 
Hoist and Winch Operators (53-7041): Operate or tend hoists or winches to lift and pull loads using power-operated cable equipment.	n	n	n	↓	n/a	Less than HS None Short OJT		●		●			RCE 
Home Appliance Repairers (49-9031): Repair, adjust, or install all types of electric or gas household appliances, such as refrigerators, washers, dryers, and ovens.	139	141	4	↘	\$18.01	High School None Moderate OJT Apprenticeship; NH License	●	●		●			RCI 
Home Economics Teachers, Postsecondary (25-1192): Teach courses in childcare, family relations, finance, nutrition, and related subjects pertaining to home management. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.	12	13	0	↘	n/a	Masters None None	●	●	●	●			SIA 
Home Health Aides (31-1011): Provide routine healthcare such as changing bandages and dressing wounds, and applying topical medications to the elderly, convalescents, or persons with disabilities at patient's home or in a care facility. Monitor or report health changes. May provide personal care.	2,593	3,847	174	↑	\$12.14	Less than HS None Short OJT Apprenticeship		●	●	●			SRC 
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop (35-9031): Welcome patrons, seat them at tables or in lounge, and help ensure quality of facilities and service.	1,418	1,520	117	↑	\$9.48	Less than HS None None		●		●			ES 
Hotel, Motel, and Resort Desk Clerks (43-4081): Accommodate hotel, motel, and resort patrons. Register and assign rooms, issue room keys or cards, keep records of occupied rooms and guest accounts, make and confirm reservations, and present statements and collect payments.	1,216	1,409	77	↑	\$10.76	High School None Short OJT Military; Apprenticeship		●		●			CES 
Human Resources Assistants, Except Payroll and Timekeeping (43-4161): Compile and keep personnel records. Record data for employees, such as address, weekly earnings, absences, amount of sales or production, supervisory reports, and date of and reason for termination.	642	651	17	↗	\$18.09	High School None Short OJT Military; Apprenticeship	●	●	●	●			CES 
Human Resources Managers (11-3121): Plan, direct, or coordinate human resources activities and staff of an organization.	403	455	16	↑	\$52.77	Bachelor 5+ years None Military	●	●	●	●			ESC 

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	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
							●	●	●	●	●	●	
Human Resources Specialists (13-1071): Perform activities in the human resource area. Includes employment specialists who screen, recruit, interview, and place workers.	1,666	1,839	47	↗	\$28.10	Bachelor None None Military; Apprenticeship	●	●	●	●			ECS 
Hydrologists (19-2043): Research the distribution, circulation, and physical properties of underground and surface waters; and study the form and intensity of precipitation, its rate of infiltration into the soil, movement through the earth, and its return to the ocean and atmosphere.	81	98	4	↗	\$37.99	Masters None None Military	●	●	●	●	●	●	IR 
Industrial Engineering Technicians (17-3026): Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. May perform time and motion studies on operations to establish production rates or improve efficiency.	309	297	6	↘	\$24.14	Associate None None Apprenticeship	●	●	●	●	●		IRC 
Industrial Engineers (17-2112): 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.	1,079	1,116	36	↗	\$38.39	Bachelor None None Military; Apprenticeship; NH License	●	●	●	●	●		IEC 
Industrial Machinery Mechanics (49-9041): Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems.	1,719	2,100	88	↑	\$25.10	High School None Long OJT Military; Apprenticeship		●					RIC 
Industrial Production Managers (11-3051): Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.	879	860	16	↘	\$48.66	Bachelor 5+ years None Military; Apprenticeship	●	●	●	●			ECS 
Industrial Truck and Tractor Operators (53-7051): Operate industrial trucks or tractors equipped to move materials around a warehouse, storage yard, factory, construction site, or similar location. Excludes Logging Equipment Operators (45-4022).	1,053	1,038	24	↘	\$16.70	Less than HS None Short OJT Military							RCI 
Information Security Analysts (15-1122): Perform a variety of computer network activities, such as implement or monitor security measures; design, create, and modify web sites; or design and implement computer and data communication networks.	185	242	9	↗	\$45.05	Bachelor <5 years None Military	●	●	●	●			CIR 
Inspectors, Testers, Sorters, Samplers, and Weighers (51-9061): Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. May use precision measuring instruments.	3,557	3,824	105	↑	\$19.36	High School None Moderate OJT Military; Apprenticeship	●	●		●			CRI 
Instructional Coordinators (25-9031): Develop instructional material, coordinate educational content, and incorporate current technology in specialized fields that provide guidelines to educators and instructors for developing curricula and conducting courses.	420	479	10	↗	\$30.71	Masters 5+ years None Military; NH License	●	●	●	●			SIE 
Insulation Workers, Floor, Ceiling, and Wall (47-2131): Line and cover structures with insulating materials. May work with batt, roll, or blown insulation materials.	168	200	5	↗	\$17.37	Less than HS None Short OJT Apprenticeship							RC 

Career Planning Guide 2012 - 2022 Occupation, SOC Code, Definition	Job Outlook & Wage				Education & Training	Basic Skills						Interests	
	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
Insulation Workers, Mechanical (47-2132): Apply insulating materials to pipes or ductwork or other mechanical systems in order to help control and maintain temperature.	n	n	n	↘	n/a	High School None Apprentice		●					RCI 
Insurance Appraisers, Auto Damage (13-1032): Appraise automobile or other vehicle damage to determine repair costs for insurance claim settlement. Prepare insurance forms to indicate repair cost or cost estimates and recommendations. May seek agreement with repair shop on repair costs.	45	41	1	↓	\$30.54	Postsecondary None Moderate OJT	●	●	●	●			CRE 
Insurance Claims and Policy Processing Clerks (43-9041): Process claims forms, new insurance policies, and modifications to existing policies. Obtain information to verify accuracy and completeness of information on forms, applications, and company records. Update existing policies to reflect changes.	1,081	1,146	35	↗	\$18.06	High School None Moderate OJT	●	●	●	●			CES 
Insurance Sales Agents (41-3021): Sell life, property, casualty, health, automotive, or other types of insurance. May refer clients to independent brokers, work as an independent broker, or be employed by an insurance company.	2,646	2,884	86	↑	\$33.07	High School None Moderate OJT NH License	●	●	●	●			ECS 
Insurance Underwriters (13-2053): Review individual applications for insurance to evaluate degree of risk involved and determine acceptance of applications.	265	245	7	↘	\$35.28	Bachelor None Moderate OJT	●	●	●	●			CEI 
Interior Designers (27-1025): Plan, design, and furnish interiors of residential, commercial, or industrial buildings. Formulate design which is practical, aesthetic, and conducive to intended purposes, such as raising productivity, selling merchandise, or improving life style.	201	218	7	↗	\$22.12	Bachelor None None Apprenticeship	●	●	●	●			AE 
Interpreters and Translators (27-3091): Interpret oral or sign language, or translate written text from one language into another.	215	318	13	↑	\$21.53	Bachelor None Short OJT Military; NH License	●	●	●	●			ASC 
Interviewers, Except Eligibility and Loan (43-4111): Interview persons by telephone, mail, in person, or by other means for the purpose of completing forms, applications, or questionnaires. Ask specific questions, record answers, and assist persons with completing form. Sort, classify, and file forms.	1,049	1,126	28	↗	\$15.44	High School None Short OJT	●	●		●			CES 
Janitors and Cleaners, Except Maids and Housekeeping Cleaners (37-2011): Keep buildings in clean and orderly condition. Perform heavy cleaning duties such as cleaning floors, shampooing rugs, washing walls and glass, and removing rubbish. May tend furnace or boiler.	9,869	10,931	292	↑	\$13.02	Less than HS None Short OJT Apprenticeship							RCE 
Jewelers and Precious Stone and Metal Workers (51-9071): Design, fabricate, adjust, repair, or appraise jewelry, gold, silver, other precious metals, or gems. Includes diamond polishers and gem cutters, casting metal in molds, or setting precious and semi-precious stones.	107	93	2	↓	\$23.39	High School None Long OJT Apprenticeship							RAC 
Judges, Magistrate Judges, and Magistrates (23-1023): Arbitrate, advise, adjudicate, or administer justice in a court of law. May sentence defendant in criminal cases according to government statutes or sentencing guidelines. May determine liability of defendant in civil cases.	95	100	2	↘	n/a	Doctorate 5+ years Short OJT Military	●	●	●	●			ESC 

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	Employment		Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022											
Judicial Law Clerks (23-1012): Assist judges in court or by conducting research or preparing legal documents.	n	n	n	↓	n/a	Doctorate None None Military	●	●	●	●			CEI 
Kindergarten Teachers, Except Special Education (25-2012): Teach elemental natural and social science, personal hygiene, music, art, and literature to kindergarten students. Promote physical, mental, and social development. May be required to hold State certification.	499	565	21	↑	\$47,844	Bachelor None Internship NH License	●	●	●	●			SAE 
Labor Relations Specialists (13-1075): Resolve disputes between workers and managers, negotiate collective bargaining agreements, or coordinate grievance procedures to handle employee complaints.	133	132	2	↓	\$25.96	Bachelor None None	●	●	●	●	●	●	ECS 
Laborers and Freight, Stock, and Material Movers, Hand (53-7062): Manually move freight, stock, or other materials or perform other general labor. Includes all manual laborers not elsewhere classified.	6,012	6,688	254	↑	\$12.93	Less than HS None Short OJT							RC 
Landscape Architects (17-1012): Plan and design land areas for projects such as parks and other recreational facilities, airports, highways, hospitals, schools, land subdivisions, and commercial, industrial, and residential sites.	25	31	2	↗	\$32.39	Bachelor None Internship NH License	●	●	●	●			AIR 
Landscaping and Groundskeeping Workers (37-3011): Landscape or maintain property grounds using hand or power tools or equipment. Tasks may include sod laying, mowing, trimming, digging, raking, planting, watering, fertilizing, sprinkler installation, or installing mortarless concrete wall units.	6,626	7,468	251	↑	\$14.30	Less than HS None Short OJT Apprenticeship							RC 
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034): Set up, operate, or tend lathe and turning machines to turn, bore, thread, form, or face metal or plastic materials such as wire, rod, or bar stock.	224	198	4	↓	\$20.48	High School None Moderate OJT Apprenticeship							RIC 
Laundry and Dry-Cleaning Workers (51-6011): Operate or tend washing or dry-cleaning machines to wash or dry-clean industrial or household articles such as cloth garments, suede, leather, furs, blankets, draperies, linens, rugs, and carpets. Includes spotters and dyers of these articles.	810	880	31	↗	\$10.89	Less than HS None Short OJT Military; Apprenticeship							RCE 
Lawyers (23-1011): Represent clients in criminal and civil litigation and other legal proceedings, draw up legal documents, or manage or advise clients on legal transactions. May specialize in a single area or may practice broadly in many areas of law.	2,275	2,384	47	↗	\$53.39	Doctorate None None Military; NH License	●	●	●	●			EIA 
Lay-Out Workers, Metal and Plastic (51-4192): Lay out reference points and dimensions on metal or plastic stock or workpieces, such as sheets, plates, tubes, structural shapes, castings, or machine parts, for further processing. Includes shipfitters.	n	n	n	↘	n/a	High School None Moderate OJT Military; Apprenticeship		●					RCI 
Legal Secretaries (43-6012): Perform secretarial duties using legal terminology, procedures, and documents. Prepare legal papers and correspondence such as summonses, complaints, motions, and subpoenas. May also assist with legal research.	781	704	9	↘	\$19.50	High School None Moderate OJT Apprenticeship	●	●	●	●			CE 

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	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
Legislators (11-1031): Develop, introduce, or enact laws and statutes at the local, tribal, State, or Federal level. Includes only workers in elected positions.	354	377	10	↘	\$19,842	Bachelor <5 years None	●	●	●	●	●	●	ES 
Librarians (25-4021): Administer libraries and perform related services in a variety of settings. Tasks may include selecting, acquiring, cataloguing, classifying, circulating, and maintaining library materials and furnishing reference, bibliographical, and readers' advisory services.	1,136	1,193	32	↗	\$25.56	Masters None None NH License	●	●	●	●			CSE 
Library Assistants, Clerical (43-4121): Compile records, sort, shelve, issue, and receive materials such as books, electronic media, pictures, cards, slides and microfilm. Locate materials for loan and replace in shelving, stacks, or file. Register patrons to permit them to borrow library materials.	864	983	50	↑	\$11.99	High School None Short OJT	●	●	●				CRS 
Library Technicians (25-4031): Assist librarians by helping readers to use library catalogs, databases, and indexes to locate books and other materials. Sort and shelve books or other media; remove or repair damaged books or other media; register patrons; and check materials in and out of circulation.	754	803	46	↗	\$16.37	Postsecondary None None	●	●	●				CSE 
Licensed Practical and Licensed Vocational Nurses (29-2061): Care for ill, injured, or convalescing patients or persons with disabilities in hospitals, nursing homes, clinics, private homes, or group homes. May work under the supervision of a registered nurse. Licensing required.	2,511	3,128	123	↑	\$22.88	Postsecondary None None Military; Apprenticeship; NH License	●	●	●	●			SRC 
Lifeguards, Ski Patrol, and Other Recreational Protective Service (33-9092): Monitor recreational areas such as pools, beaches, or ski slopes to provide assistance and protection to participants.	447	492	35	↗	\$10.21	High School None Short OJT Military		●	●				RSE 
Loan Interviewers and Clerks (43-4131): Interview loan applicants to elicit information; investigate applicants' backgrounds and verify references; prepare loan request papers; and forward findings, reports, and documents to appraisers. Review loan papers, and complete transactions upon approval.	536	592	10	↗	\$18.03	High School None Short OJT	●	●	●	●	●		CES 
Loan Officers (13-2072): Evaluate, authorize, or recommend approval of commercial, real estate, or credit loans. Advise borrowers on financial status and payment methods. Includes mortgage loan officers and agents, collection analysts, loan servicing officers, and loan underwriters.	1,070	1,173	30	↗	\$40.83	Bachelor None Moderate OJT	●	●	●	●	●		CES 
Locker Room, Coatroom, and Dressing Room Attendants (39-3093): Provide personal items to patrons or customers in locker rooms, dressing rooms, or coatrooms.	75	84	5	↗	\$10.13	High School None Short OJT		●	●				SEC 
Locksmiths and Safe Repairers (49-9094): Repair and open locks; make keys; change locks and safe combinations; and install and repair safes.	64	67	2	↘	\$23.58	High School None Long OJT Military; Apprenticeship		●	●				RCE 
Locomotive Engineers (53-4011): Drive electric, diesel-electric, steam, or gas-turbine-electric locomotives to transport passengers or freight. Interpret train orders, electronic or manual signals, and railroad rules and regulations.	48	50	1	↘	\$27.44	High School <5 years Moderate OJT Military; Apprenticeship	●	●	●				RC 

Career Planning Guide 2012 - 2022 Occupation, SOC Code, Definition	Job Outlook & Wage				Education & Training	Basic Skills						Interests	
	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
Lodging Managers (11-9081): Plan, direct, or coordinate activities of an organization or department that provides lodging and other accommodations.	219	225	8	↘	\$29.32	High School <5 years None Military	●	●	●	●	●		ECS 
Log Graders and Scalers (45-4023): Grade logs or estimate the marketable content or value of logs or pulpwood in sorting yards, millpond, log deck, or similar locations. Inspect logs for defects or measure logs to determine volume.	35	25	0	↓	n/a	High School None Moderate OJT		●		●			RCE 
Logging Equipment Operators (45-4022): Drive logging tractor or wheeled vehicle equipped with one or more accessories, such as bulldozer blade, frontal shear, grapple, logging arch, cable winches, hoisting rack, or crane boom, to fell tree; skid, load, unload, or stack logs; pull stumps; or clear brush.	260	259	4	↓	\$16.97	High School None Moderate OJT							RCI 
Logisticians (13-1081): Analyze and coordinate the logistical functions of a firm or organization. Responsible for the entire life cycle of a product, including acquisition, distribution, internal allocation, delivery, and final disposal of resources.	433	505	12	↑	\$33.73	Bachelor None None Military	●	●	●	●	●		ECS 
Machine Feeders and Offbearers (53-7063): Feed materials into or remove materials from machines or equipment that is automatic or tended by other workers.	564	569	11	↗	\$18.14	Less than HS None Short OJT							RC 
Machinists (51-4041): Set up and operate a variety of machine tools to produce precision parts and instruments. May fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts to make or repair machine tools or maintain industrial machines.	2,219	2,435	73	↑	\$20.53	High School None Long OJT Military; Apprenticeship							RCI 
Magnetic Resonance Imaging Technologists (29-2035): Operate Magnetic Resonance Imaging (MRI) scanners. Monitor patient safety and comfort, and view images of area being scanned to ensure quality of pictures. May administer gadolinium contrast dosage intravenously.	119	138	4	↗	\$32.46	Associate <5 years None Military	●	●	●	●			RCS 
Maids and Housekeeping Cleaners (37-2012): Perform light cleaning duties to maintain private households or commercial establishments, such as hotels and hospitals, in a clean and orderly manner. May make beds, replenish linens, clean rooms and halls, and vacuum.	5,815	6,706	204	↑	\$10.47	Less than HS None Short OJT Apprenticeship							RCS 
Mail Clerks and Mail Machine Operators, Except Postal Service (43-9051): Prepare incoming and outgoing mail for distribution. Use hand or mail machines to time stamp, open, read, sort, and route incoming mail; and address, seal, stamp, fold, stuff, and affix postage to outgoing mail or	543	513	12	↘	\$13.74	High School None Short OJT Military; Apprenticeship							CR 
Maintenance and Repair Workers, General (49-9071): Perform work involving the skills of two or more maintenance or craft occupations to keep machines, mechanical equipment or structures in repair, such as pipe fitting, insulating, welding, carpentry, or repairing electrical equipment, floors, or stairs.	5,200	5,714	151	↑	\$19.15	High School None Long OJT Military; Apprenticeship	●						RCI 
Maintenance Workers, Machinery (49-9043): Lubricate machinery, change parts, or perform other routine machinery maintenance.	208	239	6	↗	\$18.86	High School None Moderate OJT Military; Apprenticeship							RCI 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career
	2012	2022	Annual Openings	Outlook	Average Wage								Cluster
Management Analysts (13-1111): Conduct organizational studies and evaluations, design systems and procedures, conduct work simplification and measurement studies, and prepare operations and procedures manuals to assist management in operating more efficiently and effectively.	2,268	2,660	74	↑	\$44.54	Bachelor <5 years None Military; Apprenticeship	●	●	●	●			IEC 
Manicurists and Pedicurists (39-5092): Clean and shape customers' fingernails and toenails. May polish or decorate nails.	258	298	6	↗	\$11.41	Postsecondary None None NH License		●		●			RES 
Manufactured Building and Mobile Home Installers (49-9095): Move or install mobile homes or prefabricated buildings.	120	113	3	↓	\$21.51	High School None Moderate OJT NH License	●	●		●			RCE 
Market Research Analysts and Marketing Specialists (13-1161): Research market conditions, or gather information to determine potential sales of a product or service, or create a marketing campaign. May gather information on competitors, prices, sales, and methods of marketing and distribution.	1,512	1,979	68	↑	\$32.24	Bachelor None None	●	●	●	●			IEC 
Marketing Managers (11-2021): Plan, direct, or coordinate marketing policies and programs, such as determining the demand for products and services offered by a firm and its competitors, and identify potential customers. Develop pricing strategies, oversee product development, or monitor trends.	1,231	1,387	42	↑	\$63.23	Bachelor 5+ years None	●	●	●	●			ECA 
Marriage and Family Therapists (21-1013): Diagnose and treat mental and emotional disorders, whether cognitive, affective, or behavioral, within the context of marriage and family systems. Apply psychotherapeutic and family systems theories and techniques in the delivery of services.	145	190	7	↗	\$24.73	Masters None Internship NH License	●	●	●	●			SAI 
Massage Therapists (31-9011): Perform therapeutic massages of soft tissues and joints. May assist in the assessment of range of motion and muscle strength, or propose client therapy plans.	2,051	2,217	39	↗	\$18.09	Postsecondary None None NH License		●		●			SRI 
Materials Engineers (17-2131): Evaluate materials and develop machinery and processes to manufacture materials for use in products that must meet specialized design and performance specifications. Develop new uses for known materials.	106	109	3	↘	\$45.20	Bachelor None None Military; Apprenticeship; NH License	●	●	●	●	●	●	IRE 
Materials Scientists (19-2032): Research and study the structures and chemical properties of natural and synthetic or composite materials such as metals, alloys, rubber, ceramics, semiconductors, polymers, and glass. Determine ways to strengthen or combine materials or develop new materials.	n	n	n	↓	\$50.15	Bachelor None None	●	●	●	●	●	●	IRE 
Mathematical Technicians (15-2091): Apply standardized mathematical formulas, principles, and methodology to technological problems in engineering and physical sciences in relation to specific industrial and research objectives, processes, equipment, and products.	n	n	n	↘	n/a	Bachelor None None Military	●	●	●	●	●	●	IRC 
Meat, Poultry, and Fish Cutters and Trimmers (51-3022): Use hand or hand tools to perform routine cutting and trimming of meat, poultry, and seafood.	172	196	6	↗	\$11.21	Less than HS None Short OJT							RC 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training		Basic Skills					Interests	
	Employment		Average	Job	May 2014	Entry-Level		Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education	Experience Training							Career Cluster
Mechanical Door Repairers (49-9011): Install, service, or repair automatic door mechanisms and hydraulic doors. Includes garage door mechanics.	n	n	n	↗	\$17.23	High School	None Moderate OJT		●		●			RC 
Mechanical Drafters (17-3013): Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and other engineering information.	255	240	3	↓	\$26.63	Associate	None None		●		●	●		RCI 
Mechanical Engineering Technicians (17-3027): Apply theory and principles of mechanical engineering to modify, develop, test, or calibrate machinery and equipment under direction of engineering staff or physical scientists.	428	441	10	↘	\$23.70	Associate	None None	●	●	●	●			RIC 
Mechanical Engineers (17-2141): Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair of equipment such as centralized heat, gas, water, and steam systems.	1,632	1,707	64	↗	\$40.85	Bachelor	None None	●	●	●	●	●	●	IRC 
Medical and Clinical Laboratory Technicians (29-2012): Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical technologist.	523	666	28	↑	\$20.06	Associate	None None	●	●	●	●		●	RIC 
Medical and Clinical Laboratory Technologists (29-2011): Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease. May train or supervise staff.	457	504	17	↗	\$30.34	Bachelor	None None	●	●	●	●		●	IRC 
Medical and Health Services Managers (11-9111): Plan, direct, or coordinate medical and health services in hospitals, clinics, managed care organizations, public health agencies, or similar organizations.	1,694	2,093	81	↑	\$47.06	Bachelor	None None	●	●	●	●			ECS 
Medical Appliance Technicians (51-9082): Construct, fit, maintain, or repair medical supportive devices such as braces, orthotics and prosthetic devices, joints, arch supports, and other surgical and medical appliances.	47	51	2	↘	n/a	High School	None Long OJT	●	●		●	●		RIS 
Medical Assistants (31-9092): Perform administrative and clinical duties as directed by a physician. Duties may include scheduling appointments, maintaining medical records, billing, coding for insurance, taking vital signs and medical histories, preparing patients for exam, or drawing blood.	1,922	2,356	80	↑	\$15.75	Postsecondary	None None	●	●	●	●			SCR 
Medical Equipment Preparers (31-9093): Prepare, sterilize, install, or clean laboratory or healthcare equipment. May perform routine laboratory tasks and operate or inspect equipment.	322	372	11	↑	\$16.02	High School	None Moderate OJT		●		●			RCI 
Medical Equipment Repairers (49-9062): Test, adjust, or repair biomedical or electromedical equipment.	146	181	8	↗	\$23.83	Associate	None Moderate OJT	●						RIC 

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	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022	Annual Openings	Outlook	Average Wage								
Medical Records and Health Information Technicians (29-2071): Compile, process, and maintain medical records of hospital and clinic patients according to medical, administrative, ethical, legal, and regulatory requirements of the health care system.	1,015	1,228	48	↑	\$18.07	Postsecondary None None Military; Apprenticeship	●						CE 
Medical Scientists, Except Epidemiologists (19-1042): Conduct research dealing with the understanding of human diseases and the improvement of human health. Engage in clinical investigation, research and development, or other related activities.	378	411	11	↗	\$29.19	Doctorate None None Military	●	●	●	●	●	●	IRA 
Medical Secretaries (43-6013): Perform secretarial duties using specific knowledge of medical terminology and hospital, clinic, or laboratory procedures. May schedule appointments, bill patients, and compile and record medical charts, reports, and correspondence.	2,418	3,173	105	↑	\$16.89	High School None Moderate OJT Apprenticeship	●	●	●	●			CS 
Medical Transcriptionists (31-9094): Transcribe medical reports recorded by physicians and other practitioners, covering office visits, emergency room visits, diagnostic imaging studies, operations, chart reviews, and final summaries. Transcribe dictated reports and translate abbreviations.	336	362	9	↗	\$18.79	Postsecondary None None Apprenticeship	●	●	●				CRI 
Meeting, Convention, and Event Planners (13-1121): Coordinate activities of staff, convention personnel, or clients to make arrangements for group meetings, events, or conventions.	305	404	14	↑	\$22.15	Bachelor None None	●	●	●	●			ECS 
Mental Health and Substance Abuse Social Workers (21-1023): Assess and treat individuals with mental, emotional, or substance abuse problems, including alcohol, tobacco, and/or other drugs. Provide therapy, crisis intervention, case management, client advocacy, prevention, or education.	239	291	10	↗	\$26.93	Bachelor None None Military NH License	●	●	●	●			SIA 
Mental Health Counselors (21-1014): Counsel with emphasis on prevention. Work with individuals and groups to promote optimum mental and emotional health. May help individuals deal with addiction and substance abuse; family, parenting, or marital problems; stress management; or aging.	628	809	31	↑	\$23.31	Masters None Internship NH License	●	●	●	●		●	SIA 
Merchandise Displayers and Window Trimmers (27-1026): Plan and erect commercial displays, such as those in windows and interiors of retail stores and at trade exhibitions.	532	581	19	↗	\$14.07	High School None Moderate OJT Apprenticeship		●		●			AER 
Metal-Refining Furnace Operators and Tenders (51-4051): Operate or tend furnaces, such as gas, oil, coal, electric-arc or electric induction, open-hearth, or oxygen furnaces, to melt and refine metal before casting or to produce specified types of steel.	62	63	1	↘	\$18.18	High School None Moderate OJT Apprenticeship							RIC 
Meter Readers, Utilities (43-5041): Read meter and record consumption of electricity, gas, water, or steam.	135	115	3	↓	\$22.56	High School None Short OJT		●		●			CR 
Microbiologists (19-1022): Investigate the growth, structure, development, and other characteristics of microscopic organisms such as bacteria, algae, or fungi. Includes medical microbiologists who study the relationship between organisms and disease or the effects of antibiotics on microorganisms.	n	n	n	↘	n/a	Bachelor None None Military	●	●	●	●	●	●	IRC 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training		Basic Skills					Interests	
	Employment		Average	Job	May 2014	Entry-Level		Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training	Military; Apprenticeship; NH License							Career Cluster
Middle School Teachers, Except Special and Career/Technical Education (25-2022): Teach students in one or more subjects in public or private schools at the middle, intermediate, or junior high level, which falls between elementary and senior high school.	4,043	4,477	132	↑	\$54,408	Bachelor None Internship	NH License	●	●	●	●			SA 
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4035): Set up, operate, or tend milling or planing machines to mill, plane, shape, groove, or profile metal or plastic work pieces.	115	106	2	↓	\$21.30	High School None Moderate OJT	Apprenticeship	●	●					RC 
Millwrights (49-9044): Install, dismantle, or move machinery and heavy equipment according to layout plans, blueprints, or other drawings.	60	73	2	↗	\$24.45	High School None Apprentice			●		●			RCI 
Mining and Geological Engineers, Including Mining Safety Engineers (17-2151): Conduct sub-surface surveys to identify characteristics of potential land or mining development sites. May inspect for unsafe conditions or specify equipment for safe, economical, and environmentally sound extraction.	n	n	n	↓	n/a	Bachelor None None	Apprenticeship; NH License	●	●	●	●	●	●	IRE 
Mixing and Blending Machine Setters, Operators, and Tenders (51-9023): Set up, operate, or tend machines to mix or blend materials such as chemicals, tobacco, liquids, color pigments, or explosive ingredients.	236	233	7	↘	\$18.96	High School None Moderate OJT	Apprenticeship	●	●	●	●			RCI 
Mobile Heavy Equipment Mechanics, Except Engines (49-3042): Diagnose, adjust, repair, or overhaul mobile mechanical, hydraulic, and pneumatic equipment, such as cranes, bulldozers, graders, and conveyors, used in construction, logging, and surface mining.	543	600	22	↗	\$22.74	High School None Long OJT	Military; Apprenticeship							RCI 
Model Makers, Metal and Plastic (51-4061): Set up and operate machines such as lathes, milling and engraving machines, and jig borers to make working models of metal or plastic objects. Includes template makers.	n	n	n	↘	\$30.62	High School None Moderate OJT	Apprenticeship							RCI 
Molders, Shapers, and Casters, Except Metal and Plastic (51-9195): Mold, shape, form, cast, or carve products such as food products, figurines, tile, pipes, and candles consisting of clay, glass, plaster, concrete, stone, or combinations of materials.	356	366	13	↗	\$14.40	High School None Long OJT	Apprenticeship							RCA 
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072): Set up, operate, or tend metal or plastic molding, casting, or coremaking machines to mold or cast metal or thermoplastic parts or products.	781	676	9	↘	\$14.50	High School None Moderate OJT	Apprenticeship		●					RCI 
Morticians, Undertakers and Funeral Directors (39-4031): Perform various tasks to arrange and direct funeral services, such as interviewing family to arrange details, selecting pallbearers, aiding with the selection of officials for religious rites, and providing transportation for mourners.	114	127	3	↗	\$25.54	Associate None Long OJT	Military; NH License	●	●	●	●			ESC 
Motion Picture Projectionists (39-3021): Set up and operate motion picture projection and related sound reproduction equipment.	n	n	n	↓	n/a	Less than HS None Short OJT			●					RCI 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Career Cluster
Motorboat Mechanics and Service Technicians (49-3051): Repair and adjust electrical and mechanical equipment of inboard or inboard-outboard boat engines.	250	269	7	↗	\$18.20	High School None Long OJT Military; Apprenticeship		●					RCI 
Motorboat Operators (53-5022): Operate small motor-driven boats. May assist in navigational activities.	35	40	2	↗	n/a	High School None Short OJT Military		●		●			RCE 
Motorcycle Mechanics (49-3052): Diagnose, adjust, repair, or overhaul motorcycles, scooters, mopeds, dirt bikes, or similar motorized vehicles.	161	167	4	↘	\$17.96	High School None Long OJT Apprenticeship	●	●		●			RCI 
Multimedia Artists and Animators (27-1014): Create special effects, animation, or other visual images using film, video, computers, or other electronic tools and media for use in products or creations, such as computer games, movies, music videos, and commercials.	266	300	9	↗	\$30.17	Bachelor None Moderate OJT Military	●	●	●	●			AI 
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4081): Set up, operate, or tend more than one type of cutting or forming machine tool or robot.	700	589	14	↘	\$20.00	High School None Moderate OJT Apprenticeship							RC 
Museum Technicians and Conservators (25-4013): Restore, maintain, or prepare objects in museum collections for storage, research, or exhibit. May work with specimens such as fossils, skeletal parts, or botanicals, or artifacts, textiles, or art. May identify and record objects or arrange exhibits.	n	n	n	↘	n/a	Bachelor None None	●	●	●	●			RA 
Music Directors and Composers (27-2041): Conduct, direct, plan, and lead instrumental or vocal performances by musical groups, such as orchestras, bands, choirs, and glee clubs. Includes arrangers, composers, choral directors, and orchestrators.	262	270	8	↘	\$26.70	Bachelor <5 years None Military		●	●	●			AES 
Musical Instrument Repairers and Tuners (49-9063): Repair percussion, stringed, reed, or wind instruments. May specialize in one area, such as piano tuning.	n	n	n	↓	\$16.20	High School None Apprentice Military		●		●			RAI 
Musicians and Singers (27-2042): Play one or more musical instruments or sing. May perform on stage, for on-air broadcasting, or for sound or video recording.	418	435	13	↗	n/a	High School None Long OJT Military		●		●			AE 
Natural Sciences Managers (11-9121): Plan, direct, or coordinate activities in such fields as life sciences, physical sciences, mathematics, statistics, and research and development in these fields.	103	107	2	↘	\$66.32	Bachelor 5+ years None Military	●	●	●	●			EI 
Network and Computer Systems Administrators (15-1142): Install, configure, and support an organization's local area network (LAN), wide area network (WAN), or Internet systems. May monitor network or web site to ensure correct operation, perform maintenance, or enact security measures.	1,806	2,038	51	↑	\$35.27	Bachelor None None Military; Apprenticeship	●	●	●	●			IRC 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training		Basic Skills						Interests	
	Employment		Average	Job	May 2014	Entry-Level		Reading	Listening	Writing	Speaking	Math	Science	Interests	
	2012	2022	Annual Openings	Outlook	Average Wage	Education	Experience Training							Career Cluster	
Occupation, SOC Code, Definition															
New Accounts Clerks (43-4141): Interview persons desiring to open accounts in financial institutions. Explain account services available to prospective customers and assist them in preparing applications.	482	466	12	↘	\$15.62	High School None Moderate OJT	●	●	●	●				CES	
Nonfarm Animal Caretakers (39-2021): Feed, water, groom, bathe, exercise, or care for pets and other nonfarm animals such as dogs, cats, ornamental fish or birds, zoo animals, and mice. Work in kennels, animal shelters, zoos, circuses, or aquariums. May clean, disinfect, or repair cages or tanks.	981	1,151	29	↑	\$10.00	Less than HS None Short OJT Apprenticeship		●						RCS	
Nuclear Engineers (17-2161): Conduct research on nuclear engineering projects or apply principles and theory of nuclear science to problems concerned with release, control, and use of nuclear energy and nuclear waste disposal.	n	n	n	↓	\$51.55	Bachelor None None Military; NH License	●	●	●	●	●	●		IRC	
Nuclear Medicine Technologists (29-2033): Prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies using a variety of radioisotope equipment. Prepare stock solutions of radioactive materials and calculate doses to be administered by radiologists.	62	71	2	↗	\$36.47	Associate None None Military	●	●	●	●	●	●		IRS	
Nuclear Power Reactor Operators (51-8011): Operate or control nuclear reactors. Move control rods, start and stop equipment, monitor and adjust controls, and record data in logs. Implement emergency procedures as needed. Respond to abnormalities, determine cause, and recommend corrective action.	n	n	n	↓	n/a	High school None Long OJT Military	●	●	●	●				RCE	
Nuclear Technicians (19-4051): Assist nuclear physicists, nuclear engineers, or other scientists in laboratory or production activities. May operate, maintain, or provide quality control for nuclear testing and research equipment. May monitor radiation.	n	n	n	↗	n/a	Associate None Moderate OJT Military; Apprenticeship	●	●	●	●	●			RCI	
Nurse Anesthetists (29-1151): Administer anesthesia, monitor patient's vital signs, and oversee patient recovery from anesthesia. May assist anesthesiologists, surgeons, other physicians, or dentists. Must be registered nurses who have specialized graduate education.	123	149	5	↗	\$106.76	Masters None None Military; NH License	●	●	●	●		●		IRS	
Nurse Midwives (29-1161): Diagnose and coordinate all aspects of the birthing process, either independently or as part of a healthcare team. May provide well-woman gynecological care. Must have specialized, graduate nursing education.	47	61	2	↗	\$53.70	Masters None None Military; NH License	●	●	●	●		●		SIR	
Nurse Practitioners (29-1171): Diagnose and treat acute, episodic, or chronic illness, independently or as part of a healthcare team. May focus on health promotion and disease prevention. May order, perform, or interpret diagnostic tests such as lab work and x-rays. May prescribe medication.	801	1,048	41	↑	\$48.08	Masters None None Military; NH License	●	●	●	●		●		SIR	
Nursing Assistants (31-1014): Provide basic patient care under direction of nursing staff. Perform duties such as feed, bathe, dress, groom, or move patients, or change linens. May transfer or transport patients. Includes nursing care attendants, nursing aides, and nursing attendants.	8,494	10,293	342	↑	\$14.03	Postsecondary None None Apprenticeship; NH License	●	●		●				SCR	
Nursing Instructors and Teachers, Postsecondary (25-1072): Demonstrate and teach patient care in classroom and clinical units to nursing students. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.	223	295	10	↗	\$67,677	Masters <5 years None NH License	●	●	●	●		●		SIA	

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Career Planning Guide 2012 - 2022 Occupation, SOC Code, Definition	Job Outlook & Wage				Education & Training	Basic Skills						Interests	
	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
							●	●	●	●			
Occupational Health and Safety Specialists (29-9011): Review, evaluate, and analyze work environments and design procedures to control, eliminate, and prevent disease or injury caused by chemical, physical, and biological agents or ergonomic factors.	222	240	8	↗	\$34.61	Bachelor None Short OJT Military; Apprenticeship; NH License	●	●	●	●			IC 
Occupational Health and Safety Technicians (29-9012): Collect data on work environments for analysis by occupational health and safety specialists. Implement and conduct evaluation of programs designed to limit chemical, physical, biological, and ergonomic risks to workers.	48	52	1	↘	\$23.74	High school None Moderate OJT Military; Apprenticeship	●	●	●	●			CRI 
Occupational Therapists (29-1122): Assess, plan, organize, and participate in rehabilitative programs that help build or restore vocational, homemaking, and daily living skills, as well as general independence, to persons with disabilities or developmental delays.	687	858	26	↑	\$35.40	Masters None None Military; NH License	●	●	●	●			SIC 
Occupational Therapy Aides (31-2012): Under close supervision of an occupational therapist or occupational therapy assistant, perform only delegated, selected, or routine tasks in specific situations. These duties include preparing patient and treatment room.	n	n	n	↗	\$13.17	High School None Short OJT		●	●	●			SRC 
Occupational Therapy Assistants (31-2011): Assist occupational therapists in providing occupational therapy treatments and procedures. May assist in developing treatment plans, carry out routine functions, direct activity programs, and document the progress of treatments.	134	177	7	↗	\$25.00	Associate None None Military; NH License	●	●	●	●			SRI 
Office Clerks, General (43-9061): Perform duties too varied to be classified in a specific occupation, requiring knowledge of office systems and procedures. Duties may include answering telephones, bookkeeping, typing or word processing, stenography, office machine operation, and filing.	13,528	14,308	362	↗	\$16.93	High School None Short OJT Military; Apprenticeship	●	●	●	●			CER 
Office Machine Operators, Except Computer (43-9071): Operate one or more of a variety of office machines, such as photocopying, photographic, and duplicating machines, or other office machines.	427	406	10	↘	\$12.90	High School None Short OJT	●	●					RCE 
Operating Engineers and Other Construction Equipment Operators (47-2073): Operate construction equipment, such as graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete.	945	1,075	34	↑	\$21.29	High School None Moderate OJT Military; Apprenticeship							RCI 
Operations Research Analysts (15-2031): Formulate and apply mathematical modeling and other optimizing methods to develop and interpret information that assists management with decision making, policy formulation, or other managerial functions.	187	237	9	↗	\$36.97	Bachelor None None Military	●	●	●	●	●		ICE 
Ophthalmic Laboratory Technicians (51-9083): Cut, grind, and polish eyeglasses, contact lenses, or other precision optical elements. Assemble and mount lenses into frames or process other optical elements. Includes precision lens polishers or grinders, centerer-edgers, and lens mounters.	279	319	13	↑	\$18.71	High School None Moderate OJT Military; Apprenticeship	●						RCI 
Ophthalmic Medical Technicians (29-2057): Assist ophthalmologists by performing ophthalmic clinical functions. May administer eye exams, administer eye medications, and instruct the patient in care and use of corrective lenses.	145	176	4	↗	\$18.12	Postsecondary None None	●	●	●	●			CSR 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training		Basic Skills						Interests	
	Employment		Average	Job	May 2014	Entry-Level		Reading	Listening	Writing	Speaking	Math	Science	Interests	
	2012	2022	Annual Openings	Outlook	Average Wage	Education	Experience Training							Career Cluster	
Opticians, Dispensing (29-2081): Design, measure, fit, and adapt lenses and frames according to optical prescription. Assist client with inserting, removing, and caring for contact lenses, or selecting eyeglass frames. Measure customer for size, and adjust frame and lens position to fit client.	377	446	18	↑	\$19.32	High School None Long OJT	Military; Apprenticeship; NH License	●	●	●	●			ECR	
Optometrists (29-1041): Diagnose, manage, and treat conditions and diseases of the human eye and visual system. Examine eyes and visual system, diagnose problems or impairments, prescribe corrective lenses, and provide treatment. May prescribe therapeutic drugs to treat eye conditions.	138	162	6	↗	\$53.52	Doctorate None None	Military; NH License	●	●	●	●		●	ISR	
Order Clerks (43-4151): Receive and process orders for materials, merchandise, classified ads, or services such as repairs, installations, or rental of facilities. Take orders via mail, phone, fax, or electronic means. Inform customers of receipt, prices, ship dates, or delays, and handle complaints.	1,296	1,294	34	↘	\$14.69	High School None Short OJT		●	●	●	●			CES	
Orderlies (31-1015): Transport patients to areas such as operating rooms or x-ray rooms using wheelchairs, stretchers, or moveable beds. May maintain stocks of supplies or clean and transport equipment.	90	104	3	↗	\$13.46	High School None Short OJT	Apprenticeship	●	●	●	●	●	●	CRS	
Orthotists and Prosthetists (29-2091): Design, measure, fit, and adapt orthopedic braces, appliances or prostheses such as limbs or facial parts for patients with disabling conditions.	67	89	3	↗	\$33.53	Masters None Internship	Military; Apprenticeship	●	●	●	●			SRI	
Outdoor Power Equipment and Other Small Engine Mechanics (49-3053): Diagnose, adjust, repair, or overhaul small engines used to power lawn mowers, chain saws, recreational sporting equipment and related equipment.	325	337	8	↘	\$16.90	High School None Moderate OJT	Apprenticeship		●					RCE	
Packaging and Filling Machine Operators and Tenders (51-9111): Operate or tend machines to prepare industrial or consumer products for storage or shipment. Includes cannery workers who pack food products.	809	836	22	↗	\$16.04	High School None Moderate OJT			●					RCI	
Packers and Packers, Hand (53-7064): Pack or package by hand a wide variety of products and materials.	1,915	2,008	59	↗	\$11.35	Less than HS None Short OJT								RC	
Painters, Construction and Maintenance (47-2141): Paint walls, equipment, buildings, bridges, and other structural surfaces using brushes, rollers, and spray guns. May remove old paint to prepare surface prior to painting. May mix colors or oils to obtain desired color or consistency.	1,248	1,442	38	↑	\$17.04	Less than HS None Moderate OJT	Apprenticeship		●					RC	
Painters, Transportation Equipment (51-9122): Operate or tend painting machines to paint surfaces of transportation equipment such as automobiles, buses, trucks, trains, boats, and airplanes. Includes painters in auto body repair facilities.	78	87	2	↗	\$22.75	High School None Moderate OJT	Apprenticeship							RCA	
Painting, Coating, and Decorating Workers (51-9123): Paint, coat, or decorate articles such as furniture, glass, plateware, pottery, jewelry, toys, books, or leather.	n	n	n	↓	n/a	Less than HS None Moderate OJT	Apprenticeship							RAC	

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Career Planning Guide 2012 - 2022 Occupation, SOC Code, Definition	Job Outlook & Wage				Education & Training	Basic Skills						Interests	
	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
Paper Goods Machine Setters, Operators, and Tenders (51-9196): Set up, operate, or tend paper goods machines that perform a variety of functions, such as converting, sawing, corrugating, banding, wrapping, boxing, stitching, forming, or sealing paper or paperboard sheets into products.	116	108	1	↓	\$20.55	High School None Moderate OJT Apprenticeship							RCI 
Paperhangers (47-2142): Cover interior walls or ceilings of rooms with decorative wallpaper or fabric, or attach advertising posters on surfaces such as walls and billboards. May remove old materials or prepare surfaces to be papered.	n	n	n	↓	n/a	High School None Moderate OJT Apprenticeship							RC 
Paralegals and Legal Assistants (23-2011): 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.	1,176	1,307	32	↑	\$22.90	Associate None None Military; Apprenticeship	●	●	●	●			CIE 
Parking Enforcement Workers (33-3041): Patrol assigned area, such as public parking lot or city streets, to issue tickets to overtime parking violators and illegally parked vehicles.	45	44	1	↓	\$16.99	High School None Short OJT		●		●			RCE 
Parking Lot Attendants (53-6021): Park vehicles or issue tickets for customers in a parking lot or garage. May collect fee.	150	165	9	↗	\$11.19	Less than HS None Short OJT		●		●			RCE 
Parts Salespersons (41-2022): Sell spare and replacement parts and equipment in repair shop or parts store.	1,343	1,439	44	↗	\$14.98	Less than HS None Moderate OJT Apprenticeship	●	●	●	●			ECR 
Patternmakers, Metal and Plastic (51-4062): Lay out, machine, fit, and assemble castings and parts to metal or plastic foundry patterns, core boxes, or match plates.	n	n	n	↘	n/a	High School None Moderate OJT Apprenticeship							RCI 
Paving, Surfacing, and Tamping Equipment Operators (47-2071): Operate equipment used for applying concrete, asphalt, or other materials to road beds, parking lots, or airport runways and taxiways, or equipment used for tamping gravel, dirt, or other materials.	215	238	5	↘	\$18.24	High School None Moderate OJT Military; Apprenticeship							RCE 
Payroll and Timekeeping Clerks (43-3051): Compile and record employee time and payroll data. May compute employees' time worked, production, and commission. May compute and post wages and deductions, or prepare paychecks.	844	937	27	↗	\$20.58	High School None Moderate OJT Military; Apprenticeship	●	●	●	●			CE 
Personal Care Aides (39-9021): Assist the elderly, convalescents, or persons with disabilities with daily living activities at the person's home or in a care facility. May keep house (make beds, do laundry, wash dishes) and prepare meals. May provide assistance at non-residential care facilities.	5,160	7,393	260	↑	\$11.18	Less than HS None Short OJT		●		●			SRC 
Personal Financial Advisors (13-2052): Advise clients on financial plans using knowledge of tax and investment strategies, securities, insurance, pension plans, and real estate. Duties include assessing clients' assets, liabilities, cash flow, insurance coverage, tax status, and financial objectives.	1,322	1,747	63	↑	\$46.80	Bachelor None None NH License	●	●	●	●	●		ECS 

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	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Career
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Cluster
Pest Control Workers (37-2021): Apply or release chemical solutions or toxic gases and set traps to kill or remove pests and vermin that infest buildings and surrounding areas.	170	205	9	↗	\$16.97	High School None Moderate OJT Military; Apprenticeship; NH License	●	●	●	●			RCE 
Pesticide Handlers, Sprayers, and Applicators, Vegetation (37-3012): Mix or apply pesticides, herbicides, fungicides, or insecticides using sprays, dusts, vapors, soil incorporation, or chemical application on trees, shrubs, lawns, or crops. Specific training and/or State certification required.	31	36	1	↗	n/a	High School None Moderate OJT Apprenticeship; NH License		●					RCI 
Petroleum Pump System Operators, Refinery Operators, and Gaugers (51-8093): Operate or control petroleum refining or processing units. May specialize in controlling manifold and pumping systems, gauging or testing oil in storage tanks, or regulating the flow of oil into pipelines.	n	n	n	↓	\$25.31	High School None Long OJT Apprenticeship	●		●				RCE 
Pharmacists (29-1051): Dispense drugs prescribed by physicians and other health practitioners and provide information to patients about medications and their use. May advise physicians and other health practitioners on the selection, dosage, interactions, and side effects of medications.	1,215	1,385	46	↑	\$59.87	Doctorate None None Military; NH License	●	●	●	●	●	●	ICS 
Pharmacy Aides (31-9095): Record drugs delivered to the pharmacy, store incoming merchandise, and inform the supervisor of stock needs. May operate cash register and accept prescriptions for filling.	n	n	n	↘	\$11.87	High School None Short OJT	●	●		●			CR 
Pharmacy Technicians (29-2052): 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.	1,437	1,710	41	↑	\$13.63	High School None Moderate OJT Military; Apprenticeship; NH License	●	●		●			CRS 
Phlebotomists (31-9097): Draw blood for tests, transfusions, donations, or research. May explain the procedure to patients and assist in the recovery of patients with adverse reactions.	613	735	24	↑	\$15.88	Postsecondary None None	●	●	●	●			CRI 
Photographers (27-4021): Photograph people, landscapes, merchandise, or other subjects, using digital or film cameras and equipment. May develop negatives or use computers to produce finished images and prints. Includes scientific photographers, aerial photographers, and photojournalists.	498	512	6	↘	\$14.49	High School None Long OJT Military; Apprenticeship		●		●			ARE 
Photographic Process Workers and Processing Machine Operators (51-9151): Perform work involved in developing and processing photographic images from film or digital media. May perform precision tasks such as editing photographic negatives and prints.	221	214	6	↘	\$12.18	High School None Short OJT Military; Apprenticeship	●	●					CRA 
Physical Therapists (29-1123): Assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and improve or correct disabling conditions resulting from disease or injury.	1,181	1,548	66	↑	\$37.41	Doctorate None None Military; NH License	●	●	●	●		●	SIR 
Physical Therapist Aides (31-2022): Under close supervision of a physical therapist or physical therapy assistant, perform only delegated, selected, or routine tasks in specific situations. These duties include preparing the patient and the treatment area.	107	139	5	↗	\$13.20	High School None Short OJT Apprenticeship		●		●			SRC 

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	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022	Annual Openings	Outlook	Average Wage								
Physical Therapist Assistants (31-2021): Assist physical therapists in providing physical therapy treatments and procedures. May assist in the development of treatment plans, carry out routine functions, document progress, and modify treatments according to patient status.	380	509	21	↑	\$24.60	Associate None None Military; NH License	●	●		●			SRI 
Physician Assistants (29-1071): Provide healthcare services typically performed by a physician, under the supervision of a physician. Conduct physicals, provide treatment, and counsel patients. May prescribe medication. Must graduate from an accredited physician assistant educational program.	469	640	25	↑	\$52.77	Masters None None Military; NH License	●	●	●	●			SIR 
Physicians and Surgeons (29-1060): Diagnose, treat, and help prevent diseases and injuries. May refer patients to specialists when needed for further diagnosis or treatment. Surgeons treat diseases, injuries, and deformities by invasive, minimally-invasive, or non-invasive surgical methods.	3,109	3,599	127	↑	\$191-259K	Doctorate None Internship Military; NH License	●	●	●	●	●	●	ISR 
Physicists (19-2012): Conduct research into physical phenomena, develop theories on the basis of observation and experiments, and devise methods to apply physical laws and theories.	40	43	1	↘	\$50.99	Doctorate None None Military	●	●	●	●	●	●	IRA 
Pipelayers (47-2151): Lay pipe for storm or sanitation sewers, drains, and water mains. Perform any combination of the following tasks: grade trenches or culverts, position pipe, or seal joints.	157	185	5	↗	\$20.30	Less than HS None Short OJT Military; NH License		●					RCE 
Plasterers and Stucco Masons (47-2161): Apply interior or exterior plaster, cement, stucco, or similar materials. May also set ornamental plaster.	44	47	0	↘	n/a	Less than HS None Long OJT Apprenticeship				●			RCA 
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic (51-4193): Set up, operate, or tend machines to coat metal or plastic products with chromium, zinc, copper, cadmium, nickel, or other metal to protect or decorate surfaces. Includes electrolytic processes.	158	142	3	↓	\$15.35	High School None Moderate OJT Apprenticeship							RCI 
Plumbers, Pipefitters, and Steamfitters (47-2152): Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems. Includes sprinklerfitters.	1,697	1,986	50	↑	\$24.71	High School None Apprentice Military; NH License		●		●			RCI 
Podiatrists (29-1081): Diagnose and treat diseases and deformities of the human foot.	39	46	2	↗	n/a	Doctorate None Internship Military; NH License	●	●	●	●		●	ISR 
Police and Sheriffs Patrol Officers (33-3051): Maintain order and protect life and property by enforcing local, tribal, State, or Federal laws and ordinances. Patrol a specific area; direct traffic; issue traffic summonses; investigate accidents; apprehend and arrest suspects, or serve legal processes of courts.	2,971	3,169	113	↗	\$24.79	High School None Moderate OJT Military; Apprenticeship; NH License	●	●	●	●			RES 
Police, Fire, and Ambulance Dispatchers (43-5031): Operate radio, telephone, or computer equipment at emergency response centers. Receive reports of crimes, disturbances, fires, and medical or police emergencies. Relay information to law enforcement and emergency response personnel.	700	756	26	↗	\$19.51	High School None Moderate OJT Apprenticeship	●	●	●	●			CRE 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage				Education & Training		Basic Skills					Interests	
	Employment		Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022											
Postal Service Clerks (43-5051): Perform a combination of tasks in a post office, such as receive letters and parcels; sell postage and stamps, post cards, and stamped envelopes; fill out and sell money orders; place mail in pigeon holes of mail rack or in bags; and examine mail for correct postage.	475	338	7	↘	\$24.56	High School None Short OJT Military; Apprenticeship	●	●		●			CRS 
Postal Service Mail Carriers (43-5052): Sort mail for delivery. Deliver mail on established route by vehicle or on foot.	1,492	1,137	52	↘	\$24.40	High School None Short OJT							CRE 
Postal Service Mail Sorters, Processors, and Processing Machine Operators (43-5053): Prepare outgoing and incoming mail for distribution. Examine, sort, and route mail. Load, operate, and adjust or repair mail sorting, processing, or cancelling machinery. Keep records of shipments, pouches, and sacks.	707	517	5	↓	\$23.10	High School None Short OJT	●	●		●			CR 
Postmasters and Mail Superintendents (11-9131): Plan, direct, or coordinate operational, administrative, management, and supportive services of a U.S. post office; or coordinate activities of workers engaged in postal and related work in assigned post office.	198	156	4	↓	\$33.39	High School <5 years Moderate OJT Military	●	●	●	●			ECS 
Postsecondary Teachers (25-1000): Teach courses at the postsecondary level in a variety of subjects. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.	4,428	4,891	115	↑	\$67-126K	Doctorate None None Military	●	●	●	●	●	●	SIA 
Pourers and Casters, Metal (51-4052): Operate hand-controlled mechanisms to pour and regulate the flow of molten metal into molds to produce castings or ingots.	81	74	1	↓	\$17.28	High School None Moderate OJT							RC 
Power Plant Operators (51-8013): Control, operate, or maintain machinery to generate electric power. Includes auxiliary equipment operators.	n	n	n	↘	\$29.13	High School None Long OJT Military; Apprenticeship	●	●		●			RCE 
Prepress Technician and Workers (51-5111): Format and proof text and images submitted by designers and clients into finished pages that can be printed. Includes digital and photo typesetting. May produce printing plates.	142	120	4	↓	\$20.82	Postsecondary None None Military; Apprenticeship		●		●			RC 
Preschool Teachers, Except Special Education (25-2011): Instruct preschool-aged children in activities designed to promote social, physical, and intellectual growth needed for primary school in preschool, day care center, or other child development facility. May be required to hold State certification.	2,775	3,187	119	↑	\$13.54	Associate None None NH License	●	●	●	●			SAE 
Pressers, Textile, Garment, and Related Materials (51-6021): Press or shape articles by hand or machine.	170	178	3	↘	\$10.08	Less than HS None Short OJT							RCI 
Print Binding and Finishing Workers (51-5113): Bind books and other publications or finish printed products by hand or machine. May set up binding and finishing machines.	204	191	4	↓	\$15.77	High School None Short OJT Apprenticeship	●	●					RCA 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage				Education & Training		Basic Skills					Interests	
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Career Cluster
Printing Press Operators (51-5112): Set up and operate digital, letterpress, lithographic, flexographic, gravure, or other printing machines. Includes short-run offset printing presses.	957	934	17	↘	\$17.50	High School None Moderate OJT Military; Apprenticeship	●	●					RC 
Private Detectives and Investigators (33-9021): Gather, analyze, compile and report information regarding individuals or organizations to clients, or detect occurrences of unlawful acts or infractions of rules in private establishment.	234	263	10	↗	\$19.86	High School <5 years Moderate OJT Apprenticeship; NH License	●	●	●	●			ECR 
Probation Officers and Correctional Treatment Specialists (21-1092): Provide social services to assist in rehabilitation of law offenders in custody or on probation or parole. Recommend rehabilitation plan and treatment of offender, including conditional release, education, or employment stipulations.	229	230	6	↘	\$27.62	Bachelor None Short OJT Military; NH License	●	●	●	●			SEC 
Procurement Clerks (43-3061): Compile information and records to draw up purchase orders for procurement of materials and services.	414	438	17	↗	\$17.31	High School None Moderate OJT Military	●	●	●	●			CE 
Producers and Directors (27-2012): Produce or direct stage, television, radio, video, or motion picture productions for entertainment, information, or instruction. Make creative decisions such as choice of actors or guests, interpretation of script, set design, sound, special effects, and choreography.	221	241	10	↗	\$32.57	Bachelor <5 years None Military; Apprenticeship	●	●	●	●			EAC 
Production, Planning, and Expediting Clerks (43-5061): Coordinate and expedite the flow of work and materials within an establishment according to production schedule. Review and distribute schedules; confer with supervisors; and compile reports on progress, inventory, costs, or problems.	1,332	1,387	39	↗	\$22.84	High School None Moderate OJT Military; Apprenticeship	●	●	●	●			CER 
Proofreaders and Copy Markers (43-9081): Read transcript or proof type setup to detect and mark for correction any grammatical, typographical, or compositional errors. Excludes workers whose primary duty is editing copy. Includes proofreaders of Braille.	61	65	1	↘	\$19.66	Bachelor None None	●		●	●			CA 
Property, Real Estate, and Community Association Managers (11-9141): Plan, direct, or coordinate the selling, buying, leasing, or governance activities of commercial, industrial, or residential real estate properties. Manage homeowner or condo associations, rented or leased housing, or rights-of-way.	1,095	1,236	39	↗	\$33.15	High School <5 years None Apprenticeship	●	●	●	●			ECS 
Psychiatric Aides (31-1013): Assist mentally impaired or emotionally disturbed patients, working under direction of nursing and medical staff. May assist with daily living activities, lead patients in educational and recreational activities, or accompany patients to and from exams and treatments.	280	269	5	↘	n/a	High School None Short OJT Military	●	●	●	●			SRC 
Psychiatric Technicians (29-2053): Care for individuals with mental or emotional conditions or disabilities, per instructions of physician or health practitioner. Monitor patients' physical and emotional well-being. May assist in treatment, help with personal hygiene, or administer medication.	66	65	1	↘	\$15.15	Postsecondary None Short OJT Military	●	●	●	●			SRE 
Public Address System and Other Announcers (27-3012): Make announcements over public address system at sporting or other public events. May act as master of ceremonies or disc jockey at weddings, parties, clubs, or other gathering places.	n	n	n	↘	n/a	High School None Short OJT	●	●		●			SEA 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training		Basic Skills					Interests		
	Employment		Average	Job	May 2014	Entry-Level		Reading	Listening	Writing	Speaking	Math	Science	Interests	
	2012	2022	Annual Openings	Outlook	Average Wage	Education	Experience Training							Reading	Listening
Public Relations and Fundraising Managers (11-2031): Plan, direct, or coordinate activities designed to create or maintain a favorable public image or raise issue awareness for an organization or client; or plan, direct, or coordinate activities to solicit and maintain funds for nonprofits.	357	398	12	↑	\$53.47	Bachelor 5+ years None Military	●	●	●	●				EA	
Public Relations Specialists (27-3031): Engage in promoting or creating an intended public image for individuals, groups, or organizations. May write or select material for release to various communications media.	941	1,062	25	↑	n/a	Bachelor None None Military; Apprenticeship; NH License	●	●	●	●				EAS	
Pump Operators, Except Wellhead Pumpers (53-7072): Tend, control, or operate power-driven, stationary, or portable pumps and manifold systems to transfer gases, oil, other liquids, slurries, or powdered materials to and from various vessels and processes.	n	n	n	↓	\$21.17	Less than HS None Moderate OJT Military	●	●	●	●				RCI	
Purchasing Agents, Except Wholesale, Retail, and Farm Products (13-1023): Purchase machinery, equipment, tools, parts, supplies, or services necessary for the operation of an establishment. Purchase raw or semi-finished materials for manufacturing.	1,482	1,504	29	↗	\$28.59	High School None Long OJT Military; Apprenticeship	●	●	●	●				CER	
Purchasing Managers (11-3061): Plan, direct, or coordinate the activities of buyers, purchasing officers, and related workers involved in purchasing materials, products, and services. Includes wholesale or retail trade merchandising managers and procurement managers.	359	371	9	↘	\$50.71	Bachelor 5+ years None Military	●	●	●	●				EC	
Radiation Therapists (29-1124): Provide radiation therapy to patients as prescribed by a radiologist. May review prescription and diagnosis; act as liaison with physician and support personnel; prepare equipment, such as immobilization, treatment, and protection devices; and maintain records.	92	110	4	↗	\$39.60	Associate None None Military	●	●	●	●				SRC	
Radio and Television Announcers (27-3011): Speak or read from scripted materials, such as news reports or commercial messages, on radio or television. May announce artist or title of performance, identify station, or interview guests.	176	178	4	↘	\$16.79	Bachelor None None Military	●	●	●	●				AES	
Radio, Cellular, and Tower Equipment Installers and Repairers (49-2021): Repair, install or maintain radio transmitting, broadcasting, and receiving equipment for two-way cellular, mobile broadband, ship-to-shore, or aircraft-to-ground communication systems, or service and emergency vehicle radios.	n	n	n	↘	n/a	Associate None Moderate OJT Military; Apprenticeship		●		●				RCI	
Radiologic Technologists (29-2034): Take x-rays and CAT scans or administer nonradioactive materials into patient's blood stream for diagnostic purposes. Includes technologists who specialize in other scanning modalities.	884	1,036	27	↑	\$29.80	Associate None None Military; Apprenticeship	●	●	●	●				RSI	
Railroad Conductors and Yardmasters (53-4031): Coordinate activities of switch-engine crew within rail yard, industrial plant, or similar location. Conductors coordinate activities of crew on trains. Yardmasters review schedules and switching orders, and coordinate railroad traffic operations.	n	n	n	↗	\$17.95	High School None Moderate OJT	●	●		●				ERC	
Rail-Track Laying and Maintenance Equipment Operators (47-4061): Lay, repair, and maintain track for standard or narrow-gauge railroad equipment used in regular railroad service or in plant yards, quarries, sand and gravel pits, and mines. Operate ballast cleaning or rail bed tamping machines.	94	92	2	↓	\$20.26	High School None Moderate OJT Military								RC	

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Career Planning Guide 2012 - 2022 Occupation, SOC Code, Definition	Job Outlook & Wage				Education & Training	Basic Skills					Interests		
	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
							●	●	●	●			
Real Estate Brokers (41-9021): Operate real estate office, or work for commercial real estate firm, overseeing real estate transactions. Other duties usually include selling real estate or renting properties and arranging loans.	253	285	5	↗	\$46.91	High School <5 years None NH License	●	●	●	●			EC 
Real Estate Sales Agents (41-9022): Rent, buy, or sell property for clients. Perform duties such as study property listings, interview prospective clients, accompany clients to property site, discuss conditions of sale, and draw up real estate contracts. Includes agents who represent buyer.	527	589	11	↑	\$20.18	High School None Long OJT NH License	●	●	●	●			ECS 
Receptionists and Information Clerks (43-4171): Answer inquiries and provide information to the general public, customers, visitors, and other interested parties regarding activities conducted at establishment and location of departments, offices, and employees within the organization.	5,120	5,512	177	↑	\$13.38	High School None Short OJT	●	●	●	●			CES 
Recreation Workers (39-9032): Conduct recreation activities with groups in public, private, or volunteer agencies or recreation facilities. Organize and promote activities such as arts and crafts, sports, games, music, dramatics, camping, and hobbies, based on member needs and interests.	1,597	1,826	42	↑	\$12.56	Bachelor None None Military	●	●		●			SEA 
Recreational Therapists (29-1125): Plan, direct, or coordinate medically-approved recreation for patients in hospitals, nursing homes, or other institutions. Activities include sports, trips, dramatics, social activities, and arts and crafts. May assess patient condition and recommend activity.	82	89	3	↘	\$21.66	Bachelor None None NH License	●	●	●	●			SAI 
Recreational Vehicle Service Technicians (49-3092): Diagnose, inspect, adjust, repair, or overhaul recreational vehicles including travel trailers. May specialize in maintaining gas, electrical, hydraulic, plumbing, or chassis/towing systems, or repair generators, appliances, and interiors.	98	106	4	↘	\$16.97	High School None Long OJT Apprenticeship	●	●		●			RIC 
Refuse and Recyclable Material Collectors (53-7081): Collect and dump refuse or recyclable materials from containers into truck. May drive truck.	787	839	21	↗	\$14.78	Less than HS None Short OJT							RCE 
Registered Nurses (29-1141): Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention.	12,584	14,999	486	↑	\$31.63	Associate None None Military; NH License	●	●	●	●			SIC 
Rehabilitation Counselors (21-1015): Counsel individuals coping with personal, social, and vocational difficulties resulting from birth defects, illness, disease, accidents, or the stress of daily life. Assess client needs and design rehabilitation programs, including counseling, training, or job placement.	644	770	27	↑	\$18.36	Masters None None	●	●	●	●			SIA 
Reinforcing Iron and Rebar Workers (47-2171): Position and secure steel bars or mesh in concrete forms in order to reinforce concrete. Use a variety of fasteners, rod-bending machines, blowtorches, and hand tools. Includes rod busters.	n	n	n	↓	n/a	High School None Apprentice							RCI 
Reporters and Correspondents (27-3022): Collect and analyze facts about newsworthy events by interview, investigation, or observation. Report and write stories for newspaper, news magazine, radio, or television.	291	250	10	↘	\$20.48	Bachelor None None Military	●	●	●	●			AEI 

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Career Planning Guide 2012 - 2022 Occupation, SOC Code, Definition	Job Outlook & Wage				Education & Training	Basic Skills					Interests		
	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
Reservation and Transportation Ticket Agents and Travel Clerks (43-4181): Make and confirm reservations for transportation or lodging, or sell transportation tickets. Check baggage; direct passengers to concourse, pier, or track; deliver tickets; or provide travel or transport information.	226	213	3	↓	\$13.37	High School None Short OJT Military	●	●	●	●			CES 
Residential Advisors (39-9041): Coordinate activities in secondary and college dormitories, group homes, or similar establishments. Order supplies and determine need for maintenance, repairs, and furnishings. May assign rooms. May assist residents with problems or refer them to counseling.	526	640	34	↑	\$15.23	High School None Short OJT Military; Apprenticeship	●	●		●			SEC 
Respiratory Therapists (29-1126): Assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities. Initiate and conduct therapeutic procedures; maintain patient records; and select, assemble, check, and operate equipment.	476	566	16	↑	\$29.14	Associate None None NH License	●	●	●	●			SIR 
Respiratory Therapy Technicians (29-2054): Provide respiratory care under the direction of respiratory therapists and physicians.	n	n	n	↓	n/a	Associate None Moderate OJT Military	●	●		●			SRI 
Retail Salespersons (41-2031): Sell merchandise, such as furniture, motor vehicles, appliances, or apparel to consumers.	25,173	26,783	1,022	↗	\$12.35	Less than HS None Short OJT Military	●	●		●			ECS 
Riggers (49-9096): Set up or repair rigging for construction projects, manufacturing plants, logging yards, ships and shipyards, or for the entertainment industry.	n	n	n	↘	n/a	High School None Short OJT Military; Apprenticeship		●					RCI 
Rock Splitters, Quarry (47-5051): Separate blocks of rough dimension stone from quarry mass using jackhammer and wedges.	n	n	n	↘	n/a	High School None Short OJT Military							RCI 
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic (51-4023): Set up, operate, or tend machines to roll steel or plastic forming bends, beads, knurls, rolls, or plate or to flatten, temper, or reduce gauge of material.	n	n	n	↓	\$16.87	High school None Moderate OJT Apprenticeship	●	●					RCE 
Roofers (47-2181): Cover roofs of structures with shingles, slate, asphalt, aluminum, wood, or related materials. May spray roofs, sidings, and walls with material to bind, seal, insulate, or soundproof sections of structures.	304	322	8	↘	\$21.92	Less than HS None Moderate OJT Apprenticeship		●		●			RC 
Sailors and Marine Oilers (53-5011): Stand watch, measure water depth, turn wheel on bridge, or use emergency equipment as directed by captain, mate, or pilot. Break out, rig, overhaul, and store rigging or running gear. Perform maintenance to preserve ship's painted surface and to maintain equipment.	n	n	n	↓	n/a	Less than HS None Moderate OJT Military; Apprenticeship		●					RCE 
Sales Engineers (41-9031): Sell business goods or services, the selling of which requires a technical background equivalent to a baccalaureate degree in engineering. Excludes Engineers whose primary function is not marketing or sales.	535	594	15	↗	\$57.84	Bachelor None Moderate OJT	●	●	●	●			ERI 

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	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career
	2012	2022	Annual Openings	Outlook	Average Wage								Cluster
Sales Managers (11-2022): Plan, direct, or coordinate the distribution or movement of a product or service to customers. Coordinate sales distribution by setting sales territories, quotas, and goals, and establish training programs for sales reps. Analyze sales statistics and customer preferences.	1,692	1,867	54	↑	\$62.98	Bachelor <5 years None	●	●	●	●			ECS 
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products (41-4012): Sell goods for wholesalers or manufacturers to businesses or groups of individuals. Work requires substantial knowledge of items sold.	6,613	7,325	200	↑	\$34.71	High School None Moderate OJT	●	●		●			CER 
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products (41-4011): Sell goods for wholesalers or manufacturers requiring technical or scientific knowledge gained in two or more years of postsecondary education in areas like biology, engineering, chemistry,	3,812	4,275	120	↑	\$44.68	Bachelor None Moderate OJT	●	●	●	●			EC 
Sawing Machine Setters, Operators, and Tenders, Wood (51-7041): Set up, operate, or tend wood sawing machines. May operate CNC equipment. Includes lead sawyers.	144	166	6	↗	\$13.93	High School None Short OJT Apprenticeship							RCI 
Secondary School Teachers, Except Special and Career/Technical Education (25-2031): Teach students in 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.	4,800	4,989	149	↗	\$57,078	Bachelor None Internship NH License	●	●	●	●			SAE 
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive (43-6014): Perform routine clerical and administrative functions. Draft correspondence, schedule appointments, organize and maintain paper and electronic files, or provide information to callers.	11,008	12,210	252	↑	\$16.16	High School None Short OJT Military; Apprenticeship	●	●	●	●			CES 
Securities, Commodities, and Financial Services Sales Agents (41-3031): Buy and sell securities or commodities in investment and trading firms, or provide financial services to businesses and individuals. May advise clients on stocks, bonds, mutual funds, commodities, or market conditions.	1,431	1,623	53	↑	n/a	Bachelor None Moderate OJT NH License	●	●	●	●			ECS 
Security and Fire Alarm Systems Installers (49-2098): Install, program, maintain, and repair security and fire alarm wiring and equipment. Ensure that work is in accordance with relevant codes.	223	248	6	↗	\$23.21	High School None Moderate OJT Military; Apprenticeship	●	●		●			RCI 
Security Guards (33-9032): Guard, patrol, or monitor premises to prevent theft, violence, or infractions of rules. May operate x-ray and metal detector equipment.	2,536	2,778	63	↑	\$15.34	High School None Short OJT Military; Apprenticeship; NH License		●		●			RCE 
Self-Enrichment Education Teachers (25-3021): Teach or instruct courses other than those normally leading to an occupation or degree. Courses may include self-improvement, nonvocational, and nonacademic subjects. Teaching may or may not take place in a traditional educational institution.	1,550	1,803	51	↑	\$22.75	High School <5 years None NH License	●	●		●			SAE 
Semiconductor Processors (51-9141): Manufacture semiconductors by loading material into furnace; sawing ingots into segments; loading segments into crystal growing chamber; sawing ingots into wafers; and cleaning, polishing, and loading into furnaces or chemical baths to form circuitry.	122	89	3	↓	\$18.67	Associate None Moderate OJT	●	●					RCI 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Career Cluster
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders (51-9012): Set up, operate, or tend equipment to extract, sort, or separate liquids, gases, or solids from other materials to recover a refined product.	245	262	10	↗	\$20.91	High School None Moderate OJT Apprenticeship			●	●			RCI 
Septic Tank Servicers and Sewer Pipe Cleaners (47-4071): Clean and repair septic tanks, sewer lines, or drains. May patch walls and partitions of tank, replace damaged drain tile, or repair breaks in underground piping.	96	120	4	↗	\$17.12	Less than HS None Moderate OJT NH License		●		●			REC 
Set and Exhibit Designers (27-1027): Design special exhibits and movie, television, and theater sets. May study scripts, confer with directors, and conduct research to determine appropriate architectural styles.	28	30	1	↘	\$17.01	Bachelor None None Apprenticeship	●	●	●	●	●		ARE 
Sewers, Hand (51-6051): Sew, join, reinforce, or finish, usually with needle and thread, a variety of manufactured items. Includes weavers and stitchers.	35	35	0	↓	n/a	Less than HS None Moderate OJT							RAC 
Sewing Machine Operators (51-6031): Operate or tend sewing machines to join, reinforce, decorate, or perform related sewing operations in the manufacture of garment or nongarment products.	601	560	3	↓	\$13.76	Less than HS None Short OJT Apprenticeship							RC 
Shampoers (39-5093): Shampoo and rinse customers' hair.	n	n	n	↓	n/a	Less than HS None Short OJT NH License		●		●			REC 
Sheet Metal Workers (47-2211): Fabricate, assemble, install, and repair sheet metal products such as ducts, control boxes, drainpipes, and furnace casings. May set up and operate machines to cut, bend, or straighten sheet metal; shape using hammer; or solder and weld to join sheet metal parts.	646	729	20	↑	\$21.27	High School None Apprentice Military					●		RC 
Ship Engineers (53-5031): Supervise and coordinate activities of crew engaged in operating and maintaining engines, boilers, deck machinery, and electrical, sanitary, and refrigeration equipment aboard ship.	n	n	n	↓	n/a	Bachelor None None Military	●	●	●	●			RCE 
Shipping, Receiving, and Traffic Clerks (43-5071): Verify and maintain records on shipments. Prepare items for shipment. May assemble, address, stamp, and ship merchandise or material; receive, unpack, verify and record incoming merchandise or material; or arrange for product transportation.	3,158	3,290	96	↗	\$15.54	High School None Short OJT Military	●	●		●			CRE 
Shoe and Leather Workers and Repairers (51-6041): Construct, decorate, or repair leather and leather-like products, such as luggage, shoes, and saddles.	n	n	n	↓	\$13.00	High school None Moderate OJT Apprenticeship							RCA 
Shoe Machine Operators and Tenders (51-6042): Operate or tend a variety of machines to join, decorate, reinforce, or finish shoes and shoe parts.	n	n	n	↓	n/a	High School None Short OJT							RC 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage				Education & Training		Basic Skills					Interests	
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Career Cluster
Skincare Specialists (39-5094): Provide skincare treatments to face and body to enhance an individual's appearance. Includes electrologists and laser hair removal specialists.	160	222	7	↗	\$16.39	Postsecondary None None NH License	●	●		●			ESR 
Slaughterers and Meat Packers (51-3023): Work in slaughtering, meat packing, or wholesale establishments performing precision functions involving the preparation of meat. Work may include cutting standard or premium cuts of meat for marketing, making sausage, or wrapping meats.	n	n	n	↘	\$14.61	Less than HS None Short OJT Apprenticeship							RCE 
Social and Community Service Managers (11-9151): Plan, direct, or coordinate the activities of a social service program or community outreach organization. Oversee the program or organization's budget and policies regarding participant involvement, program requirements, and benefits.	601	724	24	↑	\$29.60	Bachelor 5+ years None Military	●	●	●	●	●		ESC 
Social and Human Service Assistants (21-1093): Assist in providing client services in a wide variety of fields, such as psychology, rehabilitation, or social work, including support for families. May assist clients in identifying and obtaining available benefits and social and community services.	2,537	3,042	116	↑	\$13.85	High School None Short OJT Apprenticeship	●	●	●	●			CSE 
Social Science Research Assistants (19-4061): Assist social scientists in laboratory, survey, and other social science research. May help prepare findings for publication and assist in laboratory analysis, quality control, or data management.	n	n	n	↗	n/a	Associate None None	●	●	●	●			CIR 
Software Developers, Applications (15-1132): Develop, create, and modify computer applications software or specialized utility programs. Analyze user needs and develop software solutions. Design or customize software for client. May analyze and design databases within an application area.	4,823	6,168	196	↑	\$44.29	Bachelor None None Apprenticeship	●	●		●	●		IRC 
Software Developers, Systems Software (15-1133): Research, design, develop, and test operating systems-level software, compilers, and network distribution software. Set operational specifications and formulate and analyze software requirements. May design embedded systems software.	1,526	1,706	38	↑	\$53.31	Bachelor None None Military	●	●		●	●		ICR 
Soil and Plant Scientists (19-1013): Research breeding, physiology, production, yield, and management of crops and agricultural plants and trees, shrubs, or nursery stock, growth in soil, and pest control; or study soil chemical, physical, biological, or mineralogical composition for plant or crop growth.	15	14	0	↘	\$43.90	Bachelor None None NH License	●	●	●	●	●	●	IRA 
Solar Photovoltaic Installers (47-2231): Assemble, install, or maintain solar photovoltaic (PV) systems on roofs or other structures in compliance with site assessment and schematics. May include measuring, cutting, assembling, and bolting structural framing and solar modules.	n	n	n	↘	n/a	High School None Moderate OJT		●					RCI 
Sound Engineering Technicians (27-4014): Operate machines and equipment to record, synchronize, mix, or reproduce music, voices, or sound effects in sporting arenas, theater productions, recording studios, or movie and video productions.	42	45	1	↘	n/a	Postsecondary None Short OJT Apprenticeship	●	●	●	●			RAC 
Special Education Teachers, Kindergarten and Elementary School (25-2052): Teach school subjects to educationally and physically handicapped students. Includes teachers of audibly and visually handicapped students or basic academic and life processes skills to the mentally impaired.	1,025	1,072	23	↗	\$54,322	Bachelor None Internship NH License	●	●	●	●	●	●	SAC 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career
	2012	2022	Annual Openings	Outlook	Average Wage								Cluster
Special Education Teachers, Middle School (25-2053): Teach middle school subjects to educationally and physically handicapped students. Includes those who work with audibly and visually handicapped students or teach basic academic and life processes skills to the mentally impaired.	634	657	13	↗	\$53,800	Bachelor None Internship NH License	●	●	●	●			SA 
Special Education Teachers, Preschool (25-2051): Teach school subjects to educationally and physically handicapped students. Includes teachers of audibly and visually handicapped students or basic academic and life processes skills to the mentally impaired.	n	n	n	↘	\$49,181	Bachelor None Internship NH License	●	●	●	●	●	●	SAC 
Special Education Teachers, Secondary School (25-2054): Teach secondary subjects to educationally and physically handicapped students. Includes those who work with audibly and visually handicapped students or teach basic academic and life processes skills to the mentally impaired.	476	491	10	↘	\$57,218	Bachelor None Internship NH License	●	●	●	●			SIA 
Speech-Language Pathologists (29-1127): Assess and treat persons with speech, language, voice, and fluency disorders. May select alternative communication systems and teach their use. May perform research related to speech and language problems.	612	701	18	↗	\$33.34	Masters None None Military; NH License	●	●	●	●			SIA 
Stationary Engineers and Boiler Operators (51-8021): Operate or maintain stationary engines, boilers, or other mechanical equipment to provide utilities for buildings or industrial processes. Operate equipment such as steam engines, generators, motors, turbines, and steam boilers.	89	95	4	↘	\$25.15	High School None Long OJT Military; Apprenticeship	●	●					RIC 
Statistical Assistants (43-9111): Compile and compute data according to statistical formulas for use in statistical studies. May perform actuarial computations and compile charts and graphs for use by actuaries. Includes actuarial clerks.	176	212	9	↗	\$21.67	Bachelor None None Military	●	●	●	●	●		CIE 
Statisticians (15-2041): Develop or apply mathematical or statistical theory and methods to collect, organize, interpret, and summarize numerical data to provide usable information. May specialize in fields such as bio-statistics, agricultural statistics, business statistics, or economic statistics.	103	136	6	↗	\$33.74	Masters None None Military	●	●	●	●	●	●	CI 
Stock Clerks and Order Fillers (43-5081): Receive, store, and issue sales floor merchandise, materials, equipment, and other items from stockroom, warehouse, or storage yard to fill shelves, racks, tables, or customers' orders. May mark prices on merchandise and set up sales displays.	12,437	12,370	376	↘	\$12.57	Less than HS None Short OJT Military							CRE 
Stonemasons (47-2022): Build stone structures such as piers, walls, and abutments. Lay walks, curbstones, or special types of masonry for vats, tanks, and floors.	112	134	3	↗	\$23.09	High School None Apprentice							RA 
Structural Iron and Steel Workers (47-2221): Raise, place, and unite iron or steel girders, columns, and other structural members to form completed structures or structural frameworks. May erect metal storage tanks and assemble prefabricated metal buildings.	186	211	8	↗	\$22.88	High School None Apprentice Military							RCI 
Structural Metal Fabricators and Fitters (51-2041): Fabricate, position, align, and fit parts of structural metal products. Shipfitters are included in Layout Workers, Metal and Plastic (51-4192).	247	278	13	↗	\$20.72	High School None Moderate OJT Military; Apprenticeship							RCI 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022	Annual Openings	Outlook	Average Wage								
Substance Abuse and Behavioral Disorder Counselors (21-1011): Counsel and advise individuals with alcohol, tobacco, drug, or other problems such as gambling and eating disorders. May counsel individuals, families, or groups or engage in prevention programs.	357	485	21	↑	\$23.05	High School None Moderate OJT Military; NH License	●	●	●	●			SAI 
Surgical Technologists (29-2055): Assist in operations, under the supervision of surgeons or surgical personnel. Help set up operating room, prepare and transport patients, pass instruments or supplies, adjust lights and equipment, hold retractors, cut sutures, or count sponges, needles, and instruments.	308	392	11	↑	\$22.91	Postsecondary None None Military; Apprenticeship		●		●			RSC 
Survey Researchers (19-3022): Plan, develop, or conduct surveys. May analyze and interpret the meaning of survey data, determine survey objectives, or suggest or test question wording. Includes social scientists who primarily design questionnaires or supervise survey teams.	n	n	n	↓	n/a	Masters None None	●	●	●	●	●		ICE 
Surveying and Mapping Technicians (17-3031): Perform surveying and mapping duties to obtain data for construction, mapmaking, boundary location, mining, or other purposes. Create maps from source data, such as aerial photography or satellite data, to show topographical features.	205	240	8	↗	\$19.44	High School None Moderate OJT Military; Apprenticeship	●	●	●	●	●		CRI 
Surveyors (17-1022): Make exact measurements and determine property boundaries. Provide data relevant to the shape, contour, gravitation, location, elevation, or dimension of land or land features on or near the earth's surface for engineering, mapmaking, mining, land evaluation, or construction.	244	281	9	↗	\$28.20	Bachelor <5 years None Military; NH License	●	●	●	●	●		RIC 
Switchboard Operators, Including Answering Service (43-2011): Operate telephone business systems equipment or switchboards to relay incoming, outgoing, and interoffice calls. May supply information to callers and record messages.	562	507	10	↘	\$13.07	High School None Short OJT Military		●		●			CES 
Tailors, Dressmakers, and Custom Sewers (51-6052): Design, make, alter, repair, or fit garments.	n	n	n	↓	\$12.85	Less than HS None Moderate OJT Apprenticeship		●					RAE 
Tank Car, Truck, and Ship Loaders (53-7121): Load and unload chemicals and bulk solids, such as coal, sand, and grain into or from tank cars, trucks, or ships using material moving equipment. May gauge or sample shipping tanks and test them for leaks, or perform other tasks related to product shipment.	33	36	1	↘	n/a	Less than HS None Short OJT Military; Apprenticeship	●		●	●			RCI 
Tapers (47-2082): Seal joints between plasterboard or other wallboard to prepare wall surface for painting or papering.	38	40	0	↓	\$32.07	Less than HS None Moderate OJT Apprenticeship							RC 
Tax Examiners and Collectors, and Revenue Agents (13-2081): Determine tax liability or collect taxes from individuals or business firms according to prescribed laws and regulations.	346	358	13	↗	\$26.38	Bachelor None Moderate OJT	●	●	●	●	●		CES 
Tax Preparers (13-2082): Prepare tax returns for individuals or small businesses.	288	306	8	↘	\$16.38	High School None Moderate OJT	●	●	●	●	●		CES 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills					Interests	
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							
Taxi Drivers and Chauffeurs (53-3041): Drive automobiles, vans, or limousines to transport passengers. May occasionally carry cargo. Includes hearse drivers.	1,293	1,381	24	↗	\$12.71	Less than HS None Short OJT		●		●			RES 
Teacher Assistants (25-9041): Perform duties that are instructional in nature or deliver direct services to students or parents. Serve in a position for which a teacher has ultimate responsibility for the design and implementation of educational programs and services.	8,090	8,463	221	↗	\$28,276	Some College None None Apprenticeship; NH License	●	●		●			SCA 
Team Assemblers (51-2092): Work as part of a team responsible for assembling an entire product or component of a product. Team assemblers can perform all tasks conducted by the team and rotate through all or most of them rather than being assigned to a specific task on a permanent basis.	2,902	2,991	55	↗	\$16.59	High School None Moderate OJT Apprenticeship							RCE 
Technical Writers (27-3042): Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work.	185	195	7	↘	\$37.27	Bachelor <5 years Short OJT	●	●	●	●			AIC 
Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022): Install, set up, rearrange, or remove switching, distribution, routing, or dialing equipment in central offices or headends. Service or repair telephone, cable TV, Internet, and other equipment.	1,055	1,079	16	↗	\$26.81	Postsecondary None Moderate OJT Military; Apprenticeship	●	●		●			RIC 
Telecommunications Line Installers and Repairers (49-9052): Install and repair telecommunications cable, including fiber optics.	762	803	23	↗	\$28.23	High School None Long OJT Military; Apprenticeship	●	●		●			REC 
Telemarketers (41-9041): Solicit donations or orders for goods or services over the telephone.	637	735	23	↑	\$12.33	Less than HS None Short OJT	●	●		●			ECR 
Telephone Operators (43-2021): Provide information using alphabetical, geographical, or other directories. Assist with billing requests, such as third-party charges and credits or refunds for wrong numbers or bad connections. May handle emergency calls or assist children and others to make calls.	87	69	2	↓	n/a	High School None Short OJT		●		●			CSR 
Tellers (43-3071): Receive and pay out money. Keep records of money and negotiable instruments involved in a financial institution's various transactions.	2,049	2,113	102	↗	\$13.13	High School None Short OJT Military; Apprenticeship	●	●		●	●		CER 
Terrazzo Workers and Finishers (47-2053): Apply a mixture of cement, sand, pigment, or marble chips to floors, stairways, and cabinet fixtures to fashion durable and decorative surfaces.	n	n	n	↘	n/a	High School None Apprentice							RCA 
Textile Bleaching and Dyeing Machine Operators and Tenders (51-6061): Operate or tend machines to bleach, shrink, wash, dye, or finish textiles or synthetic or glass fibers.	n	n	n	↓	\$15.79	High School None Short OJT		●					RC 

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Career Planning Guide 2012 - 2022	Job Outlook & Wage					Education & Training	Basic Skills						Interests
	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Interests
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Career Cluster
Textile Cutting Machine Setters, Operators, and Tenders (51-6062): Set up, operate, or tend machines that cut textiles.	43	42	1	↓	\$16.35	High School None Moderate OJT							RC 
Textile Knitting and Weaving Machine Setters, Operators, and Tenders (51-6063): Set up, operate, or tend machines that knit, loop, weave, or draw in textiles.	225	253	7	↗	\$15.72	High School None Moderate OJT Apprenticeship							RCE 
Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders (51-6064): Set up, operate, or tend machines that wind or twist textiles, or draw out and combine sliver, such as wool, hemp, or synthetic fibers. Includes slubber machine and drawing frame operators.	59	66	2	↗	n/a	High School None Moderate OJT Apprenticeship							RC 
Tile and Marble Setters (47-2044): Apply hard tile, marble, and wood tile to walls, floors, ceilings, and roof decks.	81	89	3	↘	\$22.72	Less than HS None Long OJT Apprenticeship		●		●			RCA 
Tire Builders (51-9197): Operate machines to build tires.	n	n	n	↓	n/a	High school None Moderate OJT		●					RCI 
Tire Repairers and Changers (49-3093): Repair and replace tires.	583	626	24	↗	\$11.12	High School None Short OJT							RCI 
Title Examiners, Abstractors, and Searchers (23-2093): Search real estate records, examine titles, or summarize pertinent legal or insurance documents or details for a variety of purposes. May compile lists of mortgages or contracts pertaining to titles by searching public and private records.	118	123	2	↘	\$21.48	High School None Short OJT	●	●	●	●			CER 
Tool and Die Makers (51-4111): Analyze specifications, lay out metal stock, set up and operate machine tools, and fit and assemble parts to make and repair dies, cutting tools, jigs, fixtures, gauges, and machinists' hand tools.	344	344	2	↓	\$23.82	High School None Long OJT Apprenticeship							RIC 
Tool Grinders, Filers, and Sharpeners (51-4194): Perform precision smoothing, sharpening, polishing, or grinding of metal objects.	52	57	1	↘	\$19.24	High School None Moderate OJT Military; Apprenticeship							RC 
Tour Guides and Escorts (39-7011): Escort individuals or groups on sightseeing tours or through places of interest, such as industrial establishments, public buildings, and art galleries.	158	167	9	↘	\$12.18	High School None Moderate OJT		●		●			SEA 
Traffic Technicians (53-6041): Under the direction of a traffic engineer, conduct field studies to determine traffic volume, speed, effectiveness of signals, adequacy of lighting, and other factors influencing traffic conditions.	n	n	n	↓	n/a	High School None Moderate OJT	●	●		●			RIE 

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	Employment		Average	Job	May 2014	Entry-Level	Reading	Listening	Writing	Speaking	Math	Science	Career
	2012	2022	Annual Openings	Outlook	Average Wage	Education Experience Training Military; Apprenticeship; NH License							Cluster
Training and Development Managers (11-3131): Plan, direct, or coordinate the training and development activities and staff of an organization.	84	91	3	↘	\$48.13	Bachelor 5+ years None Military	●	●	●	●			ESC 
Training and Development Specialists (13-1151): Design and conduct training and development programs to improve individual and organizational performance. May analyze training needs.	794	903	25	↑	\$29.45	Bachelor <5 years None Military; Apprenticeship	●	●	●	●			SAC 
Transportation Attendants, Except Flight Attendants (53-6061): Provide services to ensure the safety and comfort of passengers aboard ships, buses, trains, or within the station or terminal. Greet passengers, explain the use of safety equipment, serve meals or beverages, or answer questions.	110	121	3	↘	n/a	High School None Short OJT	●	●		●			SER 
Transportation Inspectors (53-6051): Inspect equipment or goods in connection with the safe transport of cargo or people. Includes rail transportation inspectors, such as freight inspectors, rail inspectors, and other inspectors of transportation vehicles not elsewhere classified.	n	n	n	↘	\$29.93	High School None Moderate OJT Military; Apprenticeship	●	●		●			RCI 
Transportation Security Screeners (33-9093): Conduct screening of passengers, baggage, or cargo to ensure compliance with Transportation Security Administration (TSA) regulations. May operate basic security equipment such as x-ray machines and hand wands at screening checkpoints.	158	177	6	↗	\$19.71	High School None Short OJT		●		●			REC 
Transportation, Storage, and Distribution Managers (11-3071): Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with organizational policies and applicable government laws or regulations. Includes logistics managers.	470	476	12	↗	\$48.49	High School 5+ years None Military	●	●	●	●			ECR 
Travel Agents (41-3041): Plan and sell transportation and accommodations for travel agency clients. Determine destination, modes of transportation, travel dates, costs, and accommodations required. May describe, plan, and arrange itineraries and sell tour packages, or help resolve travel problems.	481	421	7	↘	\$22.37	High School None Moderate OJT	●	●	●	●	●		ECS 
Tree Trimmers and Pruners (37-3013): Cut away dead or excess branches from trees or shrubs to maintain right-of-way for roads, sidewalks, or utilities, or to improve tree appearance, health, and value. Use handsaws, hand pruners, clippers, or power pruners. Works off the ground in tree canopy.	219	263	10	↗	\$20.16	High school None Short OJT Apprenticeship		●					RCE 
Truck Drivers, Heavy and Tractor-Trailer (53-3032): Drive a tractor-trailer combination or a truck with a capacity of at least 26,000 pounds Gross Vehicle Weight (GVW). May be required to unload truck. Requires commercial drivers' license.	6,580	7,313	178	↑	\$19.53	Postsecondary None Short OJT Military; Apprenticeship							RCI 
Truck Drivers, Light or Delivery Services Drivers (53-3033): Drive a light vehicle, such as a truck or van, with a capacity of less than 26,000 pounds Gross Vehicle Weight (GVW), primarily to deliver or pick up merchandise or to deliver packages. May load and unload vehicle.	4,460	4,800	105	↑	\$15.46	High School None Short OJT		●		●			RCE 
Umpires, Referees, and Other Sports Officials (27-2023): Officiate at competitive athletic or sporting events. Detect infractions of rules and decide penalties according to established regulations. Includes all sporting officials, referees, and competition judges.	n	n	n	↘	n/a	High school None Moderate OJT		●		●			REC 

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	Employment 2012	Employment 2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
Upholsterers (51-6093): Make, repair, or replace upholstery for household furniture or transportation vehicles.	72	79	3	↘	\$18.15	High school None Moderate OJT Apprenticeship							RE 
Urban and Regional Planners (19-3051): Develop comprehensive plans and programs for use of land and physical facilities of jurisdictions such as towns, cities, counties, and metropolitan areas.	176	188	9	↗	\$30.31	Masters None None	●	●	●	●			IEA 
Ushers, Lobby Attendants, and Ticket Takers (39-3031): Assist patrons at entertainment events by performing duties such as collecting admission tickets and passes from patrons, assisting in finding seats, searching for lost articles, and locating such facilities as rest rooms and telephones.	187	197	11	↗	\$8.40	Less than HS None Short OJT		●		●			SCE 
Veterinarians (29-1131): Diagnose, treat, or research diseases and injuries of animals. Includes veterinarians who conduct research and development, inspect livestock, or care for pets and companion animals.	403	457	18	↑	\$45.95	Doctorate None None Military; NH License	●	●	●	●		●	IRS 
Veterinary Assistants and Laboratory Animal Caretakers (31-9096): Feed, water, and examine pets and other nonfarm animals for signs of illness, disease, or injury in labs or animal hospitals and clinics. Clean and disinfect cages, and sterilize lab and surgical equipment. May administer medication.	231	255	6	↗	\$12.95	High School None Short OJT Military; Apprenticeship		●					RSI 
Veterinary Technologists and Technicians (29-2056): Perform medical tests in a laboratory for use in the treatment and diagnosis of animal diseases. Prepare vaccines and serums or tissue samples, take blood samples, and execute tests such as urinalysis or blood counts. Clean and sterilize instruments.	588	783	26	↑	\$15.99	Associate None None	●	●	●	●			RIC 
Vocational Education Teachers, Postsecondary (25-1194): Teach or instruct vocational or occupational subjects at the postsecondary level (but less than the baccalaureate) to students who have graduated or left high school. Teach at public or private schools, or non-education institutions.	262	290	7	↗	\$28.16	Bachelor <5 years None Military; NH License	●	●	●	●			SRE 
Waiters and Waitresses (35-3031): Take orders and serve food and beverages to patrons at tables in dining establishment.	11,670	12,533	648	↑	\$10.61	Less than HS None Short OJT		●		●			SEC 
Watch Repairers (49-9064): Repair, clean, and adjust mechanisms of timing instruments such as watches and clocks. Includes watchmakers, watch technicians, and mechanical timepiece repairers.	n	n	n	↓	n/a	High School None Long OJT Apprenticeship							RCI 
Water and Wastewater Treatment Plant and System Operators (51-8031): Operate or control an entire process or system of machines, often through the use of control boards, to transfer or treat water or wastewater.	388	415	17	↗	\$22.97	High School None Long OJT Military; Apprenticeship; NH License	●	●					RCI 
Web Developers (15-1134): Design, create, and modify Web sites. Analyze user needs to implement Web site content, graphics, performance, and capacity. May integrate Web sites with other computer applications.	992	1,250	42	↑	\$26.90	Associate None None	●	●	●	●			CIR 

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	Employment 2012	2022	Average Annual Openings	Job Outlook	May 2014 Average Wage	Entry-Level Education Experience Training Military; Apprenticeship; NH License	Reading	Listening	Writing	Speaking	Math	Science	Career Cluster
Weighers, Measurers, Checkers, and Samplers, Recordkeeping (43-5111): Weigh, measure, and check materials, supplies, and equipment for the purpose of keeping relevant records. Duties are primarily clerical by nature.	302	314	8	↘	\$17.74	High School None Short OJT NH License	●	●	●	●			CRE 
Welders, Cutters, Solderers, and Brazers (51-4121): 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.	971	1,020	29	↗	\$20.19	High School None Moderate OJT Military; Apprenticeship							RCI 
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders (51-4122): Set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Includes laser cutter or laser-beam machine operators.	254	312	12	↑	\$14.92	High School None Moderate OJT Apprenticeship							RC 
Wholesale and Retail Buyers, Except Farm Products (13-1022): Buy merchandise or commodities, except farm products, for resale to wholesale or retail consumers. Analyze past buying trends, sales records, price, and quality of merchandise. Select, order, and authorize payment for merchandise.	684	749	23	↗	\$28.53	High School None Long OJT	●	●		●	●		ECR 
Wind Turbine Service Technicians (49-9081): Inspect, diagnose, adjust, or repair wind turbines. Perform maintenance on wind turbine equipment including resolving electrical, mechanical, and hydraulic malfunctions.	n	n	n	↘	n/a	Some College None Long OJT	●	●		●			RC 
Woodworking Machine Setters, Operators, and Tenders, Except Sawing (51-7042): Set up, operate, or tend woodworking machines such as drill presses, lathes, shapers, routers, sanders, planers, and wood nailing machines. May operate CNC equipment.	333	383	7	↗	\$14.70	High School None Short OJT Apprenticeship		●		●			RCI 
Word Processors and Typists (43-9022): Use word processor, computer, or typewriter to type letters, reports, forms, or other material from rough draft, corrected copy, or voice recording. May perform other clerical duties as assigned.	111	87	0	↓	\$16.54	High School None Short OJT Military; Apprenticeship	●	●	●	●			CE 
Writers and Authors (27-3043): Originate and prepare written material such as scripts, stories, advertisements, and other material.	623	663	18	↗	\$27.04	Bachelor None Moderate OJT Military	●	●	●	●			AEI 
Zoologists and Wildlife Biologists (19-1023): Study the origins, behavior, diseases, genetics, and life processes of animals and wildlife. May collect and analyze biological data to determine the environmental effects of present and potential use of land and water habitats.	76	79	2	↘	\$26.24	Bachelor None None	●	●	●	●		●	IRC 

n = data are confidential
n/a = data are not available