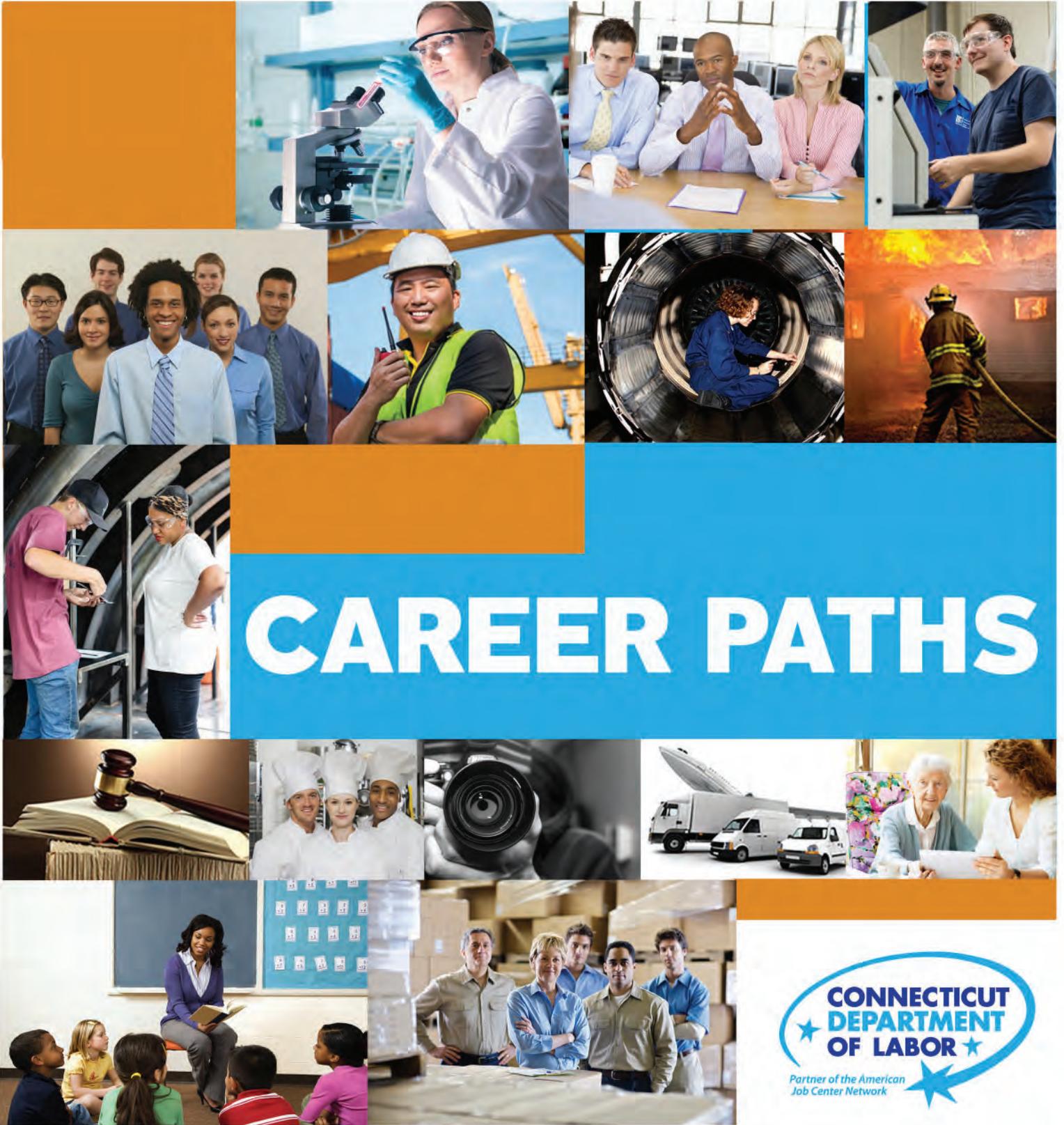


# CONNECTICUT



## CAREER PATHS



A guide to career strategies, job advice, education, training, wages, job descriptions and local, statewide and online resources

PUBLISHED BY THE CONNECTICUT CAREER RESOURCE NETWORK • DEPARTMENT OF LABOR

# A MESSAGE FROM THE COMMISSIONER



Dear Reader:

Whether you are looking for your first job right out of school, are an expert in your field, or considering a second act after retirement, the Connecticut Department of Labor's **Connecticut Career Paths** is your personal guide to career decision-making. With information about hundreds of occupations in Connecticut, **Connecticut Career Paths** can help you every step of the way with facts about wages, skills, in-demand fields, and more.

The occupations in **Connecticut Career Paths** have been organized to reflect the 16 national career clusters. For each occupation, data is provided on the number of workers employed, projected job openings, and average earnings. There is also information to help you find a job that matches your skills and interests.

**Connecticut Career Paths** will assist you in career planning, job training or re-training, and other career services. The Connecticut Department of Labor has many free programs and resources to help you find your next job. Our services are available to all—no matter your age, job status, education level, or field of interest and are provided through the network of American Job Centers throughout our state.

With around 100,000 available jobs in Connecticut, employers are competing to hire and retain their workforce. It's a good opportunity for job seekers to level up in their careers. **Connecticut Career Paths** will provide you with valuable insight as you move forward. We wish you the best of luck.

Regards,

A handwritten signature in blue ink that reads "Danté Bartolomeo".

**Danté Bartolomeo**  
**Commissioner**  
**Connecticut Department of Labor**

## ABOUT US

Connecticut Career Resource Network (CCRN) is a program administered by the Connecticut Department of Labor (DOL). CCRN is dedicated to supplying career information to educators, counselors, and job seekers.

### **For further information, contact:**

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CONNECTICUT CAREER PATHS is also available online at [www1.ctdol.state.ct.us/lmi/careerpaths.asp](http://www1.ctdol.state.ct.us/lmi/careerpaths.asp)

The Connecticut Department of Labor is an Affirmative Action/Equal Opportunity employer and equal opportunity program and services provider. Auxiliary aids and services are available upon request to individuals with disabilities.



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# SIXTEEN NATIONAL CAREER CLUSTERS

**Agriculture, Food and Natural Resources** - careers in the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources.

**Architecture and Construction** - careers in computer aided drafting and design, planning, managing, building and maintaining the physical infrastructure environment, e.g. buildings, homes, parks, bridges, roads and highways, etc.

\* **Arts, A/V Technology and Communications** - careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content, e.g. visual and performing arts and design, journalism, etc.

**Business, Management and Administration** - careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

**Education and Training** - careers in planning, managing and providing education and training services, and related learning support services.

**Finance** - careers in services for financial and investment planning, banking, insurance, and business financial management.

\* **Government and Public Administration** - careers unique to government including governance, national security, regulation, and management and administration at the local, state, and federal levels.

**Health Science** - careers in planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

**Hospitality and Tourism** - careers in the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

\* **Human Services** - careers that prepare individuals for employment that relates to families and human needs.

**Information Technology** - entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.

\* **Law, Public Safety, Corrections and Security** - careers in planning, managing, and providing legal aid, public safety, protective services and homeland security, including professional and technical support services.

**Manufacturing** - careers in planning, managing and performing the processing of materials into intermediate or final products, and related professional and technical support activities.

**Marketing** - careers in planning, managing, and performing marketing activities to reach organizational objectives.

**Science, Technology, Engineering and Mathematics (STEM)** - careers in planning, managing, and providing scientific research and professional/technical services, including research and development services.

**Transportation, Distribution and Logistics** - careers in the planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water, and related professional/technical support services.

\* Eligible secondary and postsecondary recipients must only utilize Perkins V funds for programs and activities that support the Career Clusters without asterisks. Clusters with asterisks may be funded through other funding streams determined by the eligible recipients.

# Which Cluster is Right for You?

Career Cluster	Environment/Skills/Ability	Examples of Occupations
<b>Agriculture, Food and Natural Resources</b>	Enjoy being outdoors and working with your hands	Biological Technicians, Environmental Engineers, Soil and Plant Scientists
<b>Architecture and Construction</b>	Involved in the building, maintenance, and operation of buildings and properties	Architects, Civil Engineers, Electricians, Carpenters, Plumbers, Pipefitters, and Steamfitters
<b>Arts, A/V Technology, and Communications</b>	Be creative and love using your talents to entertain and inform others	Art Directors, Audio and Video Equipment Technicians, Graphic Designers, Musicians and Singers, Producers and Directors, Writers and Authors
<b>Business, Management, and Administration</b>	Entrepreneurial people who are highly organized and enjoy working with others	Chief Executives, Human Resources Specialists, Management Analysts, Meeting and Event Planners, Operations Research Analysts, Purchasing Managers
<b>Education and Training</b>	Have patience and enjoy helping others	Teachers, Administrators, Counselors, Library Technicians, Interpreters and Translators, Teaching Assistants
<b>Finance</b>	Requires strong mathematical ability and a solid attention to detail	Accountants, Actuaries, Budget Analysts, Financial Managers, Credit Analysts, Loan Officers, Tax Preparers, Insurance Sales Agents, Insurance Underwriters, Personal Financial Advisors
<b>Government and Public Administration</b>	Values making a contribution to the community	Compliance Officers, Financial Examiners, Occupational Health and Safety Specialists, Statistical Assistants, Tax Examiners and Collectors, Transportation Inspectors, Postal Service Clerks
<b>Health Science</b>	Be caring and compassionate	Acupuncturists, Athletic Trainers, Chiropractors, Dental Hygienists, Dietitians and Nutritionists, Occupational Therapists, Optometrists, Pharmacists, Physical Therapists, Nurses, Surgeons, Veterinarians
<b>Hospitality and Tourism</b>	Enjoy meeting new people, good interpersonal skills	Animal Trainers, Bakers, Bartenders, Cooks, Food Service Managers, Gaming Dealers, Lodging Managers, Waiters
<b>Human Services</b>	Helping families meet basic human needs	Barbers, Funeral Home Managers, Health Educators, Social Workers, Psychologists, Counselors, Therapists, Childcare Workers, Loan Officers
<b>Information Technology</b>	Work with computer hardware, software, and systems integration services	Computer and Information Systems Managers, Software Developers, Computer Programmers, Database Administrators, Web Developers, Computer User Support Specialists, Network and Computer Systems Administrators
<b>Law, Public Safety, Corrections, and Security</b>	Protecting the well-being of the public	Lawyers, Firefighters, Police Officers, Correctional Officers, Private Detectives, Paralegals, Emergency Medical Technicians and Paramedics, Animal Control Workers
<b>Manufacturing</b>	Use mechanical abilities to create many different kinds of products	Aerospace Engineering and Operations Technicians, Chemical Technicians, Dental Laboratory Technicians, Electrical and Electronics Drafters, Tool and Die Makers, Machinists, CNC Programmers and Operators, Jewelers, Machinists, Cabinetmakers and Bench Carpenters, Power Plant Operators
<b>Marketing</b>	Planning, managing, providing research and development services	Advertising Sales Agents, First-Line Supervisors of Sales Workers, Market Research Analysts, Sales Managers, Technical Sales Representatives, Public Relations Specialists, Retail Salespersons, Real Estate Sales Agents, Sales Engineers
<b>Science, Technology, Engineering, and Mathematics</b>	Cutting edge research into new technological developments	Aerospace Engineers, Biochemists and Biophysicists, Biomedical Engineers, Chemists, Economists, Mechanical Engineers, Industrial Engineers, Physicists, Statisticians, Urban and Regional Planners
<b>Transportation, Distribution, and Logistics</b>	Moving people, materials, and products by road, air, rail, and water	Air Traffic Controllers, Automotive Service Technicians and Mechanics, Bus Drivers, Commercial Pilots, Flight Attendants, Logisticians, Motorcycle Mechanics, Truck Drivers

# State of Connecticut DOL Office of Research

Information will help you make better decisions. The Connecticut Department of Labor's Office of Research provides information on the economy, workforce and careers. The employment, occupational, and other data we collect are essential for career decision-making and can help you answer questions such as:

- Which occupations most closely match your interests and abilities?
- How much education and training will you need to succeed in a particular occupation?
- How much do workers in a particular occupation earn?
- What is the outlook for employment in a particular industry?

We are committed to providing the highest quality, accessible and relevant information about the economy, workforce and careers in Connecticut to aid the State's businesses, workers, students, policy makers and others in making informed decisions about their future and the future of Connecticut.

The information we collect and analyze is available through a number of web-based tools. You will find links to these tools throughout this publication.

## Connecticut Labor Market Information (LMI)

[ctworkforce.info](http://ctworkforce.info)

The Department of Labor's Office of Research is Connecticut's leading producer of information and statistics on the State's economy, workforce, occupations, and careers.



**Use the tools described on the next page to**

- 1 Explore your interests and learn about occupations – both familiar and unknown to you.
- 2 Become informed about the future outlook for Connecticut industries and occupations.
- 3 Find the school, college, university or training program that is right for you.
- 4 Review detailed wage and earnings information about any occupation that interests you.
- 5 Locate contact information for thousands of Connecticut employers in every location and industry.



**DOL\_Research**



**ctlmi**



**dol.lmi@ct.gov**

## Health Science

- 1 Registered Nurses** <sup>[29-1141]</sup>  
Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required. Includes Clinical Nurse Specialists.
- 2** EMPLOYED/ANNUAL TOTAL OPENINGS: **34,472 / 1,958**  
AVERAGE ANNUAL/HOURLY WAGES: **\$86,572 / \$41.62** **4**  
SKILLS [INTERESTS]: **RC, Co, CT, SO, S, AL, SP** [S, I, C]  
**BA/BS**     
**2** **3**

### **1 CONNECTICUT JOB AND CAREER CONNECTION** [www1.ctdol.state.ct.us/jcc](http://www1.ctdol.state.ct.us/jcc)

Intended for use by students, teachers, counselors, job developers, job seekers, and anyone else in need of information on jobs and careers. The Job & Career ConneCTion helps you identify occupations that may be a good match for your skills, interests, and personality, and provides you with detailed information on these occupations. It will help you find appropriate education and training opportunities and identify employers who may hire people for those occupations.



### **2 STATE OF CONNECTICUT OCCUPATIONAL PROJECTIONS** [www1.ctdol.state.ct.us/lmi/projections.asp](http://www1.ctdol.state.ct.us/lmi/projections.asp)

The State of Connecticut's Department of Labor Office of Research economists create ten year industry employment forecasts. We examine historical trends and other forecasts to help project Connecticut's employment changes between 2020-30. These forecasts are used in conjunction with occupational forecasts to help students decide on careers, schools decide on training programs, businesses decide on strategic plans, and governments decide on budgets and services.



### **3 CONNECTICUT EDUCATION & TRAINING CONNECTION** [www.CTtraining.info](http://www.CTtraining.info) or [www1.ctdol.state.ct.us/etc](http://www1.ctdol.state.ct.us/etc)

Intended for use by students, teachers, counselors, job seekers, job developers, and others in need of information on education and training. It offers several search options to explore the world of education and training in Connecticut, find providers in your area that offer the program or course you are interested in, or find out which programs or courses are related to the occupation you are interested in.



### **4 CONNECTICUT OCCUPATIONAL EMPLOYMENT & WAGES** [www1.ctdol.state.ct.us/lmi/wages/](http://www1.ctdol.state.ct.us/lmi/wages/)

OES provides accurate and meaningful wage information to employers, job seekers, counselors, students, planners of vocational education programs, economic developers, Regional Workforce Development Boards, and others. Employers may find the data useful as a guide in analyzing pay scales; job seekers and students could utilize the information in making employment and career decisions; program planners can use the employment and wage levels in determining training programs to be offered.



### **5 SEARCH FOR STATE OF CONNECTICUT EMPLOYERS** [www1.ctdol.state.ct.us/lmi/empsearch.asp](http://www1.ctdol.state.ct.us/lmi/empsearch.asp)

Find contact information for more than 170,000 employers in Connecticut. Search by Geographic Region, Industry, Occupation Commonly Employed, Company Name, or find the largest employers by geographic region.



# Connecticut Career Table

**OCCUPATIONAL TITLE, JOB DESCRIPTION, AND SOC CODE:** This column indicates the title and duties of each occupation. The Standard Occupational Classification (SOC) System classifies occupations based upon work performed and on required skills, education, training, and credentials. The duties performed will depend upon the employer, training, and experience. Each occupation is identified by a code that can be used to find more detailed information about that occupation.

**JOB OUTLOOK:** Number Employed, Annual Openings based on Connecticut 2020-2030 Employment Projections.

**AVERAGE ANNUAL/HOURLY WAGES:** Connecticut OES wage data (1st Quarter 2022)

**SKILLS:** This column indicates some of the fundamental skills and knowledge that employers often look for in job candidates and the occupation's typical work environment.

AL Active Listening	M Monitoring	RC Reading Comprehension
ALearn Active Learning	Ma Mathematics	Rpr Repairing
Co Coordination	MFR Management of Financial Resources	S Speaking
CPS Complex Problem Solving	MPR Management of Personnel Resources	SA Systems Analysis
CT Critical Thinking	N Negotiation	Sci Science
EM Equipment Maintenance	OA Operations Analysis	SE Systems Evaluation
ES Equipment Selection	OC Operation and Control	SO Service Orientation
I Instructing	OM Operation Monitoring	SP Social Perceptiveness
Instal Installation	P Programming	T Troubleshooting
J Judgment and Decision Making	Pers Persuasion	TM Time Management
LS Learning Strategies	QCA Quality Control Analysis	W Writing

**EDUCATION AND TRAINING ROUTES:** Typical requirements to work in the profession are listed with the abbreviations below:

<b>OJT</b>	On-the-job training by the employer.
<b>Appren</b>	Apprenticeship training from two to four years in length, depending upon the trade.
<b>CERT</b>	Up to two years of post-secondary training resulting in a diploma, certificate or license.
<b>HS</b>	High School or Technical High School diploma or equivalent.
<b>AA/AS</b>	Associate's degree program requiring two years of college.
<b>BA/BS</b>	Bachelor's degree program requiring four years of college.
<b>MA/MS</b>	Master's degree program requiring one to two years of college beyond the Bachelor's level.
<b>PhD</b>	Doctorate degree program requiring four to five years beyond the Bachelor's level.

**INTERESTS:** Preferences for work environments.



- R** - Realistic occupations involve work activities that include practical hands-on problems and solutions.
- I** - Investigative occupations involve working with ideas, and require an extensive amount of thinking and searching for facts.
- A** - Artistic occupations involve working with forms, designs and patterns without a clear set of rules; requires self-expression.
- S** - Social occupations involve working and communicating with people; helping, teaching, or providing services to others.
- E** - Enterprising occupations involve starting up and carrying out projects, often leading people to make (business) decisions.
- C** - Conventional occupations involve following set procedures and routines, working with details and data more than with ideas.

To find an occupation or employment data not included in the Career Table or to look up the very latest salary and wage data, visit the Connecticut Department of Labor website at: [ctworkforce.info](http://ctworkforce.info) and select the "Occupational Wages" link from the Data drop-down list, or contact the Office of Research at 860 263-6275.

# AGRICULTURE, FOOD & NATURAL RESOURCES



## Jobs after high school

### Refuse & Recyclable Material Collectors

Collect and dump refuse or recyclable materials from containers into truck. May drive truck. <sup>[53-7081]</sup>

EMPLOYED/ANNUAL TOTAL OPENINGS: **994 / 155**  
AVERAGE ANNUAL/HOURLY WAGES: **\$49,416 / \$23.76**  
SKILLS [INTERESTS]: **EM, OM, Co, CT, S, OC (R, C)**



### Farmers, Ranchers, and Other Agricultural Managers

Plan, direct, or coordinate the management or operation of farms, ranches, greenhouses, aquacultural operations, nurseries, timber tracts, or other agricultural establishments. May hire, train, and supervise farm workers or contract for services to carry out the day-to-day activities of the managed operation. May engage in or supervise planting, cultivating, harvesting, and financial and marketing activities.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1157 / 154**  
AVERAGE ANNUAL/HOURLY WAGES: **\$92,022 / \$44.25**  
SKILLS [INTERESTS]: **CPS, AL, CT, Sci, RC (E, R, C)**



### Hazardous Materials Removal Workers

Identify, remove, pack, transport, or dispose of hazardous materials, including asbestos, lead-based paint, waste oil, fuel, transmission fluid, radioactive materials, or contaminated soil. Specialized training and certification in hazardous materials handling or a confined entry permit are generally required. May operate earth-moving equipment or trucks. <sup>[17-4041]</sup>

EMPLOYED/ANNUAL TOTAL OPENINGS: **452 / 54**  
AVERAGE ANNUAL/HOURLY WAGES: **\$49,438 / \$23.76**  
SKILLS [INTERESTS]: **AL, Co, OM, OC, M, CT (R, C)**



### Water and Wastewater Treatment Plant and System Operators

Operate or control an entire process or system of machines, often through the use of control boards, to transfer or treat water or wastewater.

EMPLOYED/ANNUAL TOTAL OPENINGS: **871 / 80**  
AVERAGE ANNUAL/HOURLY WAGES: **\$68,553 / \$32.96**  
SKILLS [INTERESTS]: **QCA, M, OC, OM (R, C)**



### Nonfarm Animal Caretakers

Feed, water, groom, bathe, exercise, or otherwise provide care to promote and maintain the well-being of pets and other animals that are not raised for consumption, such as dogs, cats, race horses, ornamental fish or birds, zoo animals, and mice. Work in settings such as kennels, animal shelters, zoos, circuses, and aquariums. May keep records of feedings, treatments, and animals received or discharged. May clean, disinfect, and repair cages, pens, or fish tanks.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2715 / 625**  
AVERAGE ANNUAL/HOURLY WAGES: **\$32,061 / \$15.41**  
SKILLS [INTERESTS]: **S, RC, J, M, AL, SO (R, C)**



### Tree Trimmers and Pruners

Using sophisticated climbing and rigging techniques, cut away dead or excess branches from trees or shrubs to maintain right-of-way for roads, sidewalks, or utilities, or to improve appearance, health, and value of tree. Prune or treat trees or shrubs using handsaws, hand pruners, clippers, and power pruners. Works off the ground in the tree canopy and may use truck-mounted lifts.

EMPLOYED/ANNUAL TOTAL OPENINGS: **705 / 109**  
AVERAGE ANNUAL/HOURLY WAGES: **\$43,331 / \$20.83**  
SKILLS [INTERESTS]: **Co, CT, AL, OM, OC (R)**



## Careers after college

### Environmental Engineering Technicians

Apply theory and principles of environmental engineering to modify, test, and operate equipment and devices used in the prevention, control, and remediation of environmental problems, including waste treatment and site remediation, under the direction of engineering staff or scientists. May assist in the development of environmental remediation devices.

EMPLOYED/ANNUAL TOTAL OPENINGS: **90 / 10**  
AVERAGE ANNUAL/HOURLY WAGES: **\$75,348 / \$36.22**  
SKILLS [INTERESTS]: **ALearn, RC, CT, AL (R, I, C)**



### Environmental Science and Protection Technicians, Including Health

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. May collect samples of gases, soil, water, and other materials for testing.

EMPLOYED/ANNUAL TOTAL OPENINGS: **179 / 25**  
AVERAGE ANNUAL/HOURLY WAGES: **\$104,814 / \$50.39**  
SKILLS [INTERESTS]: **ALearn, RC, CT, AL (R, I, C)**



### Biological Technicians

Assist biological and medical scientists. Set up, operate, and maintain laboratory instruments and equipment, monitor experiments, collect data and samples, make observations, and calculate and record results. May analyze organic substances, such as blood, food, and drugs.

EMPLOYED/ANNUAL TOTAL OPENINGS: **882 / 89**  
AVERAGE ANNUAL/HOURLY WAGES: **\$69,747 / \$33.53**  
SKILLS [INTERESTS]: **CPS, AL, CT, Sci, RC (R, I, C)**



### Environmental Engineers

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **514 / 40**  
AVERAGE ANNUAL/HOURLY WAGES: **\$66,431 / \$31.94**  
SKILLS [INTERESTS]: **ALearn, AL, CPS, CT, RC (I, R, C)**



### Natural Sciences Managers

Plan, direct, or coordinate activities in such fields as life sciences, physical sciences, mathematics, statistics, and research and development in these fields.

EMPLOYED/ANNUAL TOTAL OPENINGS: **589 / 57**  
AVERAGE ANNUAL/HOURLY WAGES: **\$148,080 / \$71.19**  
SKILLS [INTERESTS]: **W, AL, RC, CT, Sci, S (E, I)**



### Soil and Plant Scientists

Conduct research in breeding, physiology, production, yield, and management of crops and agricultural plants or trees, shrubs, and nursery stock, their growth in soils, and control of pests; or study the chemical, physical, biological, and mineralogical composition of soils as they relate to plant or crop growth. May classify and map soils and investigate effects of alternative practices on soil and crop productivity.

EMPLOYED/ANNUAL TOTAL OPENINGS: **123 / 15**  
AVERAGE ANNUAL/HOURLY WAGES: **\$77,634 / \$37.32**  
SKILLS [INTERESTS]: **J, ALearn, W, CPS, AL, S, CT, Sci, RC (I, R)**



# ARCHITECTURE AND CONSTRUCTION



## Jobs after high school

### Construction Laborers <sup>[47-2061]</sup>

Perform tasks involving physical labor at construction sites. May operate hand and power tools of all types: air hammers, earth tampers, cement mixers, small mechanical hoists, surveying and measuring equipment, and a variety of other equipment and instruments. May clean and prepare sites, dig trenches, set braces to support the sides of excavations, erect scaffolding, and clean up rubble, debris, and other waste materials. May assist other craft workers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **12,591 / 1,561**  
AVERAGE ANNUAL/HOURLY WAGES: **\$52,449 / \$25.21**  
SKILLS [INTERESTS]: **CPS, CT, OC, OM, Co, SP, RC, S, AL (R, C)**

**OJT**  

### Carpenters Helpers <sup>[47-3012]</sup>

Help carpenters by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.

EMPLOYED/ANNUAL TOTAL OPENINGS: **158 / 20**  
AVERAGE ANNUAL/HOURLY WAGES: **\$38,831 / \$18.67**  
SKILLS [INTERESTS]: **AL, S, CPS, Co, SP, M, CT (R, C)**

**OJT**  

### Construction and Maintenance Painters <sup>[47-2141]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,399 / 264**  
AVERAGE ANNUAL/HOURLY WAGES: **\$50,652 / \$24.36**  
SKILLS [INTERESTS]: **S, M, Co, J, TM, RC, CT, SP, AL (R, C)**

**OJT**  

### Tapers <sup>[47-2082]</sup>

Seal joints between plasterboard or other wallboard to prepare wall surface for painting or papering.

EMPLOYED/ANNUAL TOTAL OPENINGS: **58 / 6**  
AVERAGE ANNUAL/HOURLY WAGES: **\$55,470 / \$26.67**  
SKILLS [INTERESTS]: **SP, Co, TM, M, S, CT, AL (R)**

**OJT** 

### Pipelayers <sup>[47-2151]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **77 / 6**  
AVERAGE ANNUAL/HOURLY WAGES: **\$71,824 / \$34.53**  
SKILLS [INTERESTS]: **CT, QCA, OC, AL, OM (R)**

**OJT** 

### Electricians Helpers <sup>[47-3013]</sup>

Help electricians by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.

EMPLOYED/ANNUAL TOTAL OPENINGS: **232 / 33**  
AVERAGE ANNUAL/HOURLY WAGES: **\$46,579 / \$22.40**  
SKILLS [INTERESTS]: **Rpr, T, CT, S, AL, QCA (R, C)**

**HS OJT**  

### First-Line Supervisors of Construction Trades and Extraction Workers <sup>[47-1011]</sup>

Directly supervise and coordinate activities of construction or extraction workers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **6,087 / 694**  
AVERAGE ANNUAL/HOURLY WAGES: **\$83,481 / \$40.14**  
SKILLS [INTERESTS]: **TM, MPR, RC, S, CT, AL, Co (E, R, C)**

**HS OJT**   

### Mechanical Door Repairers <sup>[49-9011]</sup>

Install, service, or repair automatic door mechanisms and hydraulic doors. Includes garage door mechanics.

EMPLOYED/ANNUAL TOTAL OPENINGS: **153 / 18**  
AVERAGE ANNUAL/HOURLY WAGES: **\$44,806 / \$21.55**  
SKILLS [INTERESTS]: **SO, S, Co, CPS, J, SP, Inst, Rpr, OM, AL, CT (R)**

**HS OJT** 

### Paving, Surfacing, and Tamping Equipment Operators <sup>[47-2071]</sup>

Operate equipment used for applying concrete, asphalt, or other materials to road beds, parking lots, or airport runways and taxiways or for tamping gravel, dirt, or other materials. Includes concrete and asphalt paving machine operators, form tampers, tamping machine operators, and stone spreader operators.

EMPLOYED/ANNUAL TOTAL OPENINGS: **198 / 24**  
AVERAGE ANNUAL/HOURLY WAGES: **\$51,551 / \$24.79**  
SKILLS [INTERESTS]: **M, OC, OM (R, C)**

**HS OJT**  

### Pipelayers, Plumbers, Pipefitters, and Steamfitters Helpers <sup>[47-3015]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **183 / 25**  
AVERAGE ANNUAL/HOURLY WAGES: **\$36,310 / \$17.46**  
SKILLS [INTERESTS]: **ALearn, CPS, Rpr, Co, AL, J, M, CT (R)**

**HS OJT** 

### Riggers <sup>[49-9096]</sup>

Set up or repair rigging for construction projects, manufacturing plants, logging yards, ships and shipyards, or for the entertainment industry.

EMPLOYED/ANNUAL TOTAL OPENINGS: **216 / 302**  
AVERAGE ANNUAL/HOURLY WAGES: **\$58,880 / \$28.31**  
SKILLS [INTERESTS]: **M, OM, J, CPS, AL, OC, TM, CT (R, C, I)**

**HS OJT**   

### Structural Iron and Steel Workers <sup>[47-2221]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **349 / 44**  
AVERAGE ANNUAL/HOURLY WAGES: **\$63,249 / \$30.41**  
SKILLS [INTERESTS]: **J, TM, M, CT, Co, OC, OM (R, C, I)**

**HS Appren**   

### Drywall and Ceiling Tile Installers <sup>[47-2081]</sup>

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. Materials may be of decorative quality. Includes lathers who fasten wooden, metal, or rockboard lath to walls, ceilings, or partitions of buildings to provide support base for plaster, fireproofing, or acoustical material.

EMPLOYED/ANNUAL TOTAL OPENINGS: **366 / 38**  
AVERAGE ANNUAL/HOURLY WAGES: **\$53,286 / \$25.62**  
SKILLS [INTERESTS]: **RC, CPS, J, CT, S, AL (R, C)**

**OJT**  

### Electrical Power-Line Installers and Repairers <sup>[49-9051]</sup>

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

EMPLOYED/ANNUAL TOTAL OPENINGS: **791 / 82**  
AVERAGE ANNUAL/HOURLY WAGES: **\$98,376 / \$47.30**  
SKILLS [INTERESTS]: **T, OM, CT, M, AL (R, I, C)**

**HS OJT**   

### Brickmasons and Blockmasons <sup>[47-2021]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **684 / 68**  
AVERAGE ANNUAL/HOURLY WAGES: **\$70,456 / \$33.87**  
SKILLS [INTERESTS]: **J, Co, TM, QCA, M, CT (R, C, I)**

**HS Appren**   

## Boilermakers [47-2011]

Construct, assemble, maintain, and repair stationary steam boilers and boiler house auxiliaries. Align structures or plate sections to assemble boiler frame tanks or vats, following blueprints. Work involves use of hand and power tools, plumb bobs, levels, wedges, dogs, or turnbuckles. Assist in testing assembled vessels. Direct cleaning of boilers and boiler furnaces. Inspect and repair boiler fittings, such as safety valves, regulators, automatic-control mechanisms, water columns, and auxiliary machines.

EMPLOYED/ANNUAL TOTAL OPENINGS: **48 / 6**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$94,598 / \$45.48**  
 SKILLS [INTERESTS]: **AL, OC, QCA, CT, OM (R, C)**

**HS Appren**  

## Carpenters [47-2031]

Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors. May also install cabinets, siding, drywall, and batt or roll insulation. Includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

EMPLOYED/ANNUAL TOTAL OPENINGS: **10,249 / 1,169**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$61,167 / \$29.41**  
 SKILLS [INTERESTS]: **AL, S, CPS, Co, SP, M, CT (R, C, I)**

**HS Appren**   

## 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **7,953 / 1,027**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$67,496 / \$32.45**  
 SKILLS [INTERESTS]: **AL, CT, J, Rpr, T (R, C, I)**

**HS Appren**   

## 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **445 / 57**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$63,719 / \$30.63**  
 SKILLS [INTERESTS]: **OC, Co, AL, CT, S, RC (R, C)**

**HS Appren**  

## Plumbers, Pipefitters, & Steamfitters

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 sprinkler fitters.

EMPLOYED/ANNUAL TOTAL OPENINGS: **4,654 / 572**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$68,639 / \$33.00**  
 SKILLS [INTERESTS]: **AL, CT, J, Rpr, T (R, C, I)**

**HS Appren**   

## Mechanical Insulation Workers [47-2132]

Apply insulating materials to pipes or ductwork, or other mechanical systems in order to help control and maintain temperature.

EMPLOYED/ANNUAL TOTAL OPENINGS: **294 / 32**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$57,430 / \$27.61**  
 SKILLS [INTERESTS]: **M, TM, S, SP, AL, Co, CT (R, C, I)**

**HS Appren**   

# Careers after college

## 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, bridges, and public works. Use knowledge of building materials, engineering practices, and mathematics to complete drawings.

EMPLOYED/ANNUAL TOTAL OPENINGS: **908 / 104**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$61,115 / \$29.38**  
 SKILLS [INTERESTS]: **AL, CT, RC, S, W (R, C, A)**

**AA/AS**   

## 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **292 / 28**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$70,298 / \$33.80**  
 SKILLS [INTERESTS]: **S, W, AL, CT, RC (R, C, I)**

**AA/AS**   

## Civil Engineers [17-2051]

Perform engineering duties in planning, designing, and overseeing construction and maintenance of building structures and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, and water and sewage systems. Includes architectural, structural, traffic, and geotechnical engineers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,517 / 305**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$98,601 / \$47.40**  
 SKILLS [INTERESTS]: **AL, S, OA, RC, Ma, J, CPS, CT (R, I, C)**

**BA/BS**   

## Interior Designers [27-1025]

Plan, design, and furnish the internal space of rooms or buildings. Design interior environments or create physical layouts that are practical, aesthetic, and conducive to the intended purposes. May specialize in a particular field, style, or phase of interior design.

EMPLOYED/ANNUAL TOTAL OPENINGS: **937 / 100**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$67,584 / \$32.50**  
 SKILLS [INTERESTS]: **SO, SP, RC, S, AL (A, E)**

**BA/BS**  

### SKILLS LEGEND:

AL - Active Listening, ALearn - Active Learning, Co - Coordination, CPS - Complex Problem Solving, CT - Critical Thinking, EM - Equipment Maintenance, I - Instructing, LS - Learning Strategies, J - Judgment and Decision Making, M - Monitoring, OA - Operations Analysis, OC - Operation and Control, OM - Operation Monitoring, QCA - Quality Control Analysis, RC - Reading Comprehension, Rpr - Repairing, S - Speaking, SO - Service Orientation, SP - Social Perceptiveness, T - Troubleshooting, TM - Time Management, W - Writing

## Construction Managers [11-9021]

Plan, direct, or coordinate, usually through subordinate supervisory personnel, activities concerned with the construction and maintenance of structures, facilities, and systems. Participate in the conceptual development of a construction project and oversee its organization, scheduling, budgeting, and implementation. Includes managers in specialized construction fields, such as carpentry or plumbing.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,718 / 279**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$119,955 / \$57.67**  
 SKILLS [INTERESTS]: **RC, CPS, TM, Co, MPR, CT, S, AL (E, R, C)**

**BA/BS OJT**   

## 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,850 / 185**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$82,849 / \$39.83**  
 SKILLS [INTERESTS]: **RC, MFR, J, AL, S, CT, Ma (C, E)**

**BA/BS OJT**  

## Architects [17-1011]

Plan and design structures, such as private residences, office buildings, theaters, factories, and other structural property.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,132 / 92**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$91,091 / \$43.79**  
 SKILLS [INTERESTS]: **RC, J, S, CPS, AL, CT (A, I, E, R)**

**BA/BS Intern**    

## 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **376 / 29**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$76,797 / \$36.92**  
 SKILLS [INTERESTS]: **Co, S, RC, AL (A, I, R)**

**BA/BS Intern**   

## 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, construction, and other purposes.

EMPLOYED/ANNUAL TOTAL OPENINGS: **358 / 31**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$75,654 / \$36.37**  
 SKILLS [INTERESTS]: **TM, Co, AL, W, S, CT, Ma, RC (R, C, I)**

**BA/BS Intern**   

# ARTS A/V TECHNOLOGY & COMMUNICATIONS



## Jobs after high school

### Floral Designers [27-1023]

Design, cut, and arrange live, dried, or artificial flowers and foliage.

EMPLOYED/ANNUAL TOTAL OPENINGS: **459 / 53**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$43,668 / \$21.00**  
 SKILLS [INTERESTS]: **SO, TM, S, AL (A, E, R)**

**HS OJT**

### Musicians and Singers [27-2042]

Play one or more musical instruments or sing. May perform on stage, for broadcasting, or for sound or video recording.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,084 / 435**  
 AVERAGE HOURLY WAGES: **\$42.36**  
 SKILLS [INTERESTS]: **S, AL, M, RC, SP (A, E, S)**

**OJT**

## Certificate needed

### Audio and Video Equipment Technicians [27-4011]

Set up, maintain, and dismantle audio and video equipment, such as microphones, sound speakers, connecting wires and cables, sound and mixing boards, video cameras, video monitors and servers, and related electronic equipment for live or recorded events, such as concerts, meetings, conventions, presentations, podcasts, news conferences, and sporting events.

EMPLOYED/ANNUAL TOTAL OPENINGS: **835 / 106**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$58,544 / \$28.15**  
 SKILLS [INTERESTS]: **S, W, AL, RC, CT, M, OM (R, I, C)**

**CERT OJT**

### Sound Engineering Technicians [27-4014]

Assemble and operate equipment to record, synchronize, mix, edit, or reproduce sound, including music, voices, or sound effects, for theater, video, film, television, podcasts, sporting events, and other productions.

EMPLOYED/ANNUAL TOTAL OPENINGS: **46 / 6**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$80,276 / \$38.60**  
 SKILLS [INTERESTS]: **M, CT, RC, S, AL (R, A)**

**CERT OJT**

### Telecommunications Equipment Installers and Repairers [49-2022]

Install, set up, rearrange, or remove switching, distribution, routing, and dialing equipment used in central offices or headends. Service or repair telephone, cable television, Internet, and other communications equipment on customers' property. May install communications equipment or communications wiring in buildings.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,886 / 264**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$72,134 / \$34.68**  
 SKILLS [INTERESTS]: **AL, CT, CPS, EM, Rpr, QCA, T, OM (R, I, C)**

**CERT OJT**

## Careers after college

### Broadcast Technicians [27-4012]

Set up, operate, and maintain the electronic equipment used to acquire, edit, and transmit audio and video for radio or television programs. Control and adjust incoming and outgoing broadcast signals to regulate sound volume, signal strength, and signal clarity. Operate satellite, microwave, or other transmitter equipment to broadcast radio or television programs.

EMPLOYED/ANNUAL TOTAL OPENINGS: **155 / 17**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$52,698 / \$25.33**  
 SKILLS [INTERESTS]: **S, M, AL, OM, CT (R, C, I)**

**AA/AS OJT**

### Agents and Business Managers of Artists, Performers, and Athletes [13-1011]

Represent and promote artists, performers, and athletes in dealings with current or prospective employers. May handle contract negotiation and other business matters for clients.

EMPLOYED/ANNUAL TOTAL OPENINGS: **209 / 29**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$115,788 / \$55.67**  
 SKILLS [INTERESTS]: **RC, CT, SP, N, AL, S, Pers (E, C, S)**

**BA/BS**

### Art Directors [27-1011]

Formulate design concepts and presentation approaches for visual productions and media, such as print, broadcasting, video, and film. Direct workers engaged in artwork or layout design.

EMPLOYED/ANNUAL TOTAL OPENINGS: **929 / 120**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$101,988 / \$49.04**  
 SKILLS [INTERESTS]: **CPS, RC, CT, J, TM, AL, S (A, E)**

**BA/BS**

### Commercial and Industrial Designers [27-1021]

Design and develop 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **331 / 36**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$75,787 / \$36.43**  
 SKILLS [INTERESTS]: **CPS, RC, S, AL, CT (A, E, R)**

**BA/BS**

### Editors [27-3041]

Plan, coordinate, revise, or edit written material. May review proposals and drafts for possible publication.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,224 / 111**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$78,022 / \$37.51**  
 SKILLS [INTERESTS]: **QCA, CT, AL, W, RC (A, E, C)**

**BA/BS**

### Film and Video Editors [27-4032]

Edit moving images on film, video, or other media. May work with a producer or director to organize images for final production. May edit or synchronize soundtracks with images.

EMPLOYED/ANNUAL TOTAL OPENINGS: **507 / 68**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$81,164 / \$39.03**  
 SKILLS [INTERESTS]: **J, S, TM, RC, CT, AL (A, E, I)**

**BA/BS**

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,412 / 241**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$62,819 / \$30.20**  
 SKILLS [INTERESTS]: **CT, RC, S, AL, W, OA (A, E, R)**

**BA/BS**

### Multimedia Artists and Animators [27-1014]

Create special effects or animations using film, video, computers, or other electronic tools and media for use in products, such as computer games, movies, music videos, and commercials.

EMPLOYED/ANNUAL TOTAL OPENINGS: **447 / 63**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$118,007 / \$56.74**  
 SKILLS [INTERESTS]: **J, S, Co, TM, CT, RC, AL (A, I)**

**BA/BS**

#### SKILLS LEGEND:

AL - Active Listening, ALearn - Active Learning, Co - Coordination, CPS - Complex Problem Solving, CT - Critical Thinking, EM - Equipment Maintenance, I - Instructing, LS - Learning Strategies, J - Judgment and Decision Making, M - Monitoring, OA - Operations Analysis, OC - Operation and Control, OM - Operation Monitoring, QCA - Quality Control Analysis, RC - Reading Comprehension, Rpr - Repairing, S - Speaking, SO - Service Orientation, SP - Social Perceptiveness, T - Troubleshooting, TM - Time Management, W - Writing

## Producers and Directors [27-2012]

Produce or direct stage, television, radio, video, or film productions for entertainment, information, or instruction. Responsible for creative decisions, such as interpretation of script, choice of actors or guests, set design, sound, special effects, and choreography.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,316 / 254**

AVERAGE ANNUAL/HOURLY WAGES: **\$109,763 / \$52.77**

SKILLS [INTERESTS]: **CPS, RC, CT, J, TM, AL, S (A, E)**

**BA/BS**  

## Set and Exhibit Designers [27-1027]

Design special exhibits and sets for film, video, television, and theater productions. May study scripts, confer with directors, and conduct research to determine appropriate architectural styles.

EMPLOYED/ANNUAL TOTAL OPENINGS: **140 / 16**

AVERAGE ANNUAL/HOURLY WAGES: **\$63,748 / \$30.65**

SKILLS [INTERESTS]: **RC, M, OA, Co, CT, J, TM, AL (A, R)**

**BA/BS**  

## Technical Writers [27-3042]

Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work.

EMPLOYED/ANNUAL TOTAL OPENINGS: **496 / 57**

AVERAGE ANNUAL/HOURLY WAGES: **\$82,990 / \$39.89**

SKILLS [INTERESTS]: **CT, AL, S, RC, W (A, I, C)**

**BA/BS OJT**   

## Writers and Authors [27-3043]

Originate and prepare written material, such as scripts, stories, advertisements, and other material.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,247 / 274**

AVERAGE ANNUAL/HOURLY WAGES: **\$99,397 / \$47.79**

SKILLS [INTERESTS]: **W, RC, AL S, CT (E, A, C)**

**BA/BS OJT**   

### INTERESTS LEGEND

 **R** - Realistic occupations involve work activities that include practical hands-on problems and solutions.

 **I** - Investigative occupations involve working with ideas, and require an extensive amount of thinking and searching for facts.

 **A** - Artistic occupations involve working with forms, designs and patterns without a clear set of rules; requires self-expression.

 **S** - Social occupations involve working and communicating with people; helping, teaching, or providing services to others.

 **E** - Enterprising occupations involve starting up and carrying out projects, often leading people to make (business) decisions.

 **C** - Conventional occupations involve following set procedures and routines, working with details and data more than with ideas.

## VETERANS SERVICES

[www.ctvetjobs.org](http://www.ctvetjobs.org)



Veterans receive Priority of Service for reemployment services from staff at American Job Centers (AJCs) throughout the state, which include five comprehensive centers and several smaller, affiliate locations.

Veterans, transitioning service members, spouses, and military caregivers eligible for the Disabled Veterans' Outreach Program (DVOP) may receive specialized services such as:

- Comprehensive assessments of skill levels and service needs
- Development of an individual employment plan
- Counseling and career planning
- Services to prepare individuals for employment and training.

Those who do not qualify to receive DVOP services may receive these services from other AJC Staff.

Local Veterans' Employment Representatives (LVER) develop and maintain relationships with employers to assist veterans in gaining employment. LVERs coordinate with businesses, unions, apprenticeship programs, and business organizations to promote and secure employment and training opportunities for veterans.

Please refer to page 50 for a complete list of American Job Center locations or go to [portal.ct.gov/dol/Divisions/American-Job-Centers](http://portal.ct.gov/dol/Divisions/American-Job-Centers)

### Skills Translator

Tools exist to help veterans identify civilian careers that could be a good match for their military skills. Visit CareerOneStop's Military to Civilian Occupation Translator or O\*NET's Military Crosswalk Search to enter a specific military code or occupation title and identify closely-related civilian occupations that use similar skills and work experience. For each of those careers, review basic information such as typical wages and job outlook, and link to job postings. [www.careeronestop.org/Toolkit/Jobs/match-veteran-jobs.aspx](http://www.careeronestop.org/Toolkit/Jobs/match-veteran-jobs.aspx) and [www.onetonline.org/crosswalk/MOC/](http://www.onetonline.org/crosswalk/MOC/)



# BUSINESS, MANAGEMENT AND ADMINISTRATION



## Jobs after high school

### Executive Secretaries and Executive Administrative Assistants <sup>[43-6011]</sup>

Provide high-level administrative support by conducting research, preparing statistical reports, and handling information requests, as well as performing routine administrative functions such as preparing correspondence, receiving visitors, arranging conference calls, and scheduling meetings. May also train and supervise lower-level clerical staff.

EMPLOYED/ANNUAL TOTAL OPENINGS: **7,183 / 559**  
AVERAGE ANNUAL/HOURLY WAGES: **\$76,124 / \$36.60**  
SKILLS [INTERESTS]: **Co, TM, W, SO, S, RC, AL (C, E)**

**HS**

### Customer Service Representatives <sup>[43-4051]</sup>

Interact with customers to provide basic or scripted information in response to routine inquiries about products and services. May handle and resolve general complaints. Excludes individuals whose duties are primarily installation, sales, repair, and technical support.

EMPLOYED/ANNUAL TOTAL OPENINGS: **29,418 / 3,745**  
AVERAGE ANNUAL/HOURLY WAGES: **\$43,502 / \$20.91**  
SKILLS [INTERESTS]: **RC, SO, AL, S (E, C, S)**

**HS OJT**

### Data Entry Keyers <sup>[43-9021]</sup>

Operate data entry device, such as keyboard or photo composing perforator. Duties may include verifying data and preparing materials for printing.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,206 / 100**  
AVERAGE ANNUAL/HOURLY WAGES: **\$41,680 / \$20.03**  
SKILLS [INTERESTS]: **TM, CT, W, S, AL, M, RC (C, R, E)**

**HS OJT**

### Payroll and Timekeeping Clerks <sup>[43-3011]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,449 / 121**  
AVERAGE ANNUAL/HOURLY WAGES: **\$57,259 / \$27.53**  
SKILLS [INTERESTS]: **M, W, TM, S, RC, AL (C, E)**

**HS OJT**

### Procurement Clerks <sup>[43-3061]</sup>

Compile information and records to draw up purchase orders for procurement of materials and services.

EMPLOYED/ANNUAL TOTAL OPENINGS: **765 / 68**  
AVERAGE ANNUAL/HOURLY WAGES: **\$49,981 / \$24.03**  
SKILLS [INTERESTS]: **AL, J, W, CT, S, RC (C, E)**

**HS OJT**

### Bookkeeping, Accounting, and Auditing Clerks <sup>[43-3031]</sup>

Compute, classify, and record numerical data to keep financial records complete. Perform any combination of routine calculating, posting, and verifying duties to obtain primary financial data for use in maintaining accounting records. May also check the accuracy of figures, calculations, and postings pertaining to business transactions recorded by other workers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **21,559 / 2,451**  
AVERAGE ANNUAL/HOURLY WAGES: **\$51,721 / \$24.86**  
SKILLS [INTERESTS]: **SP, W, TM, M, CT, Ma, RC, AL, S (C, E)**

**HS CERT**

## INTERESTS LEGEND



**R** - Realistic occupations involve work activities that include practical hands-on problems and solutions.



**I** - Investigative occupations involve working with ideas, and require an extensive amount of thinking and searching for facts.



**A** - Artistic occupations involve working with forms, designs and patterns without a clear set of rules; requires self-expression.



**S** - Social occupations involve working and communicating with people; helping, teaching, or providing services to others.



**E** - Enterprising occupations involve starting up and carrying out projects, often leading people to make (business) decisions.



**C** - Conventional occupations involve following set procedures and routines, working with details and data more than with ideas.

## Careers after college

### Human Resources Assistants <sup>[43-4161]</sup>

Compile and keep personnel records. Record data for each employee, such as address, weekly earnings, absences, amount of sales or production, supervisory reports, and date of and reason for termination. May prepare reports for employment records, file employment records, or search employee files and furnish information to authorized persons.

EMPLOYED/ANNUAL TOTAL OPENINGS: **971 / 100**  
AVERAGE ANNUAL/HOURLY WAGES: **\$49,224 / \$23.67**  
SKILLS [INTERESTS]: **CT, W, S, AL, RC (C, E, S)**

**AA/AS**

### Administrative Services and Facilities Managers <sup>[11-3010]</sup>

Plan, direct, or coordinate one or more administrative services of an organization, such as records and information management, mail distribution, and other office support services. Plan, direct, or coordinate operations and functionalities of facilities and buildings including surrounding grounds or multiple facilities of an organization's campus.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,961 / 373**  
AVERAGE ANNUAL/HOURLY WAGES: **\$117,295 / \$56.39**  
SKILLS [INTERESTS]: **AL, RC, TM, S, Co (E, C)**

**BA/BS**

### Human Resources Managers <sup>[11-3121]</sup>

Plan, direct, or coordinate human resources activities and staff of an organization.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,090 / 304**  
AVERAGE ANNUAL/HOURLY WAGES: **\$151,600 / \$72.89**  
SKILLS [INTERESTS]: **RC, Co, CT, MPR, SP, S, AL (E, S, C)**

**BA/BS**

### Human Resources Specialists <sup>[13-1071]</sup>

Recruit, screen, interview, or place individuals within an organization. May perform other activities in multiple human resources areas.

EMPLOYED/ANNUAL TOTAL OPENINGS: **7,120 / 876**  
AVERAGE ANNUAL/HOURLY WAGES: **\$75,416 / \$36.26**  
SKILLS [INTERESTS]: **Co, W, CT, RC, S, AL (E, C, S)**

**BA/BS**

### Chief Executives <sup>[11-1011]</sup>

Determine and formulate policies and provide overall direction of companies or private and public sector organizations within guidelines set up by a board of directors or similar governing body. Plan, direct, or coordinate operational activities at the highest level of management with the help of subordinate executives and staff managers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **794 / 54**  
AVERAGE ANNUAL/HOURLY WAGES: **\$250,114 / \$120.25**  
SKILLS [INTERESTS]: **AL, RC, S, CT, J, CPS (E, C, S)**

**BA/BS**

## Compensation and Benefits

### Managers <sup>[11-3111]</sup>

Plan, direct, or coordinate compensation and benefits activities of an organization. Job analysis and position description managers are included in Human Resources Managers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **338 / 28**

AVERAGE ANNUAL/HOURLY WAGES: **\$178,077 / \$85.61**

SKILLS [INTERESTS]: **J, CT, S, AL, RC (E, C, S)**

**BA/BS**   

### General and Operations Managers <sup>[11-1021]</sup>

Plan, direct, or coordinate the operations of public or private sector organizations, overseeing multiple departments or locations. Duties and responsibilities include formulating policies, managing daily operations, and planning the use of materials and human resources, but are too diverse and general in nature to be classified in any one functional area of management or administration, such as personnel, purchasing, or administrative services. Usually manage through subordinate supervisors.

EMPLOYED/ANNUAL TOTAL OPENINGS: **29,950 / 3,061**

AVERAGE ANNUAL/HOURLY WAGES: **\$163,291 / \$78.51**

SKILLS [INTERESTS]: **M, CT, RC, AL, S (E, C, S)**

**BA/BS**   

### Industrial Production Managers <sup>[11-3051]</sup>

Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,777 / 229**

AVERAGE ANNUAL/HOURLY WAGES: **\$137,067 / \$65.90**

SKILLS [INTERESTS]: **J, RC, AL, TM, Co, S, M, CT (E, C, S)**

**BA/BS**  

### Labor Relations Specialists <sup>[13-1075]</sup>

Resolve disputes between workers and managers, negotiate collective bargaining agreements, or coordinate grievance procedures to handle employee complaints.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,485 / 135**

AVERAGE ANNUAL/HOURLY WAGES: **\$82,546 / \$39.68**

SKILLS [INTERESTS]: **AL, S, N, RC, Pers (E, C, S)**

**BA/BS**   

### Management Analysts <sup>[13-1111]</sup>

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. Includes program analysts and management consultants.

EMPLOYED/ANNUAL TOTAL OPENINGS: **9,217 / 1,003**

AVERAGE ANNUAL/HOURLY WAGES: **\$109,265 / \$52.53**

SKILLS [INTERESTS]: **J, W, CPS, CT, RC, AL, S (I, E, C)**

**BA/BS**   

### Operations Research Analysts <sup>[15-2031]</sup>

Formulate and apply mathematical modeling and other optimizing methods to develop and interpret information that assists management with decisionmaking, policy formulation, or other managerial functions. May collect and analyze data and develop decision support software, services, or products. May develop and supply optimal time, cost, or logistics networks for program evaluation, review, or implementation.

EMPLOYED/ANNUAL TOTAL OPENINGS: **999 / 93**

AVERAGE ANNUAL/HOURLY WAGES: **\$89,541 / \$43.05**

SKILLS [INTERESTS]: **AL, W, J, SE, RC, CT, CPS, Ma (I, C, E)**

**BA/BS**   

### Meeting, Convention, and Event Planners <sup>[13-1121]</sup>

Coordinate activities of staff, convention personnel, or clients to make arrangements for group meetings, events, or conventions.

EMPLOYED/ANNUAL TOTAL OPENINGS: **900 / 122**

AVERAGE ANNUAL/HOURLY WAGES: **\$65,019 / \$31.26**

SKILLS [INTERESTS]: **SO, SP, Co, TM, RC, CT, S, AL (E, C, S)**

**BA/BS**   

### Purchasing Managers <sup>[11-3061]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,822 / 164**

AVERAGE ANNUAL/HOURLY WAGES: **\$133,628 / \$64.25**

SKILLS [INTERESTS]: **S, CT, AL, Co (E, C)**

**BA/BS**  

### Training & Development Managers <sup>[11-3131]</sup>

Plan, direct, or coordinate the training and development activities and staff of an organization.

EMPLOYED/ANNUAL TOTAL OPENINGS: **781 / 81**

AVERAGE ANNUAL/HOURLY WAGES: **\$127,934 / \$61.51**

SKILLS [INTERESTS]: **CT, Co, AL, I, LS, S (E, S, C)**

**BA/BS**   

### Training & Development Specialists <sup>[13-1151]</sup>

Design or conduct work-related training and development programs to improve individual skills or organizational performance. May analyze organizational training needs or evaluate training effectiveness.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,552 / 412**

AVERAGE ANNUAL/HOURLY WAGES: **\$73,626 / \$35.40**

SKILLS [INTERESTS]: **M, AL, LS, I, RC, S (S, C, A, E)**

**BA/BS**    

## PROGRAMS AND SERVICES PROVIDED BY THE CONNECTICUT DEPARTMENT OF LABOR

The Connecticut Department of Labor (DOL) handles far more than unemployment insurance benefits. Helping employers and jobseekers with their workforce needs is our goal. At a glance, here is an overview of the many programs and services the agency offers. Our website - [www.ct.gov/dol](http://www.ct.gov/dol) - is also filled with information ranging from job openings and upcoming career fairs to wage and safety guidelines.

### Employment and Training

American Job Centers offer no-cost services to jobseekers and employers in convenient locations throughout the state. Career services include: job search and résumé writing assistance; résumé critiques; virtual reemployment workshops; skills assessments; interview coaching; career exploration/guidance and employer recruitment events. Resources available for job search include fax, computers with internet access, and résumé bond paper with matching envelopes. Assistive technology is also available for persons with disabilities. [portal.ct.gov/ajc](http://portal.ct.gov/ajc)

### Job Corps

Primarily residential, no-cost education and vocational training program administered by the U.S. Department of Labor that helps young people ages 16-24 (no age limit for people with disabilities) get a better job and take control of their lives. Students enroll to learn a trade, earn a high school diploma or GED and get help finding employment. New Haven Job Corps: 203 397-3775; Hartford Job Corps: 860 952-1705.



# EDUCATION AND TRAINING



## Jobs after high school

### Teaching Assistants [25-9042]

Teacher assistants work with a licensed teacher to give students additional attention and instruction.

EMPLOYED/ANNUAL TOTAL OPENINGS: **21,460 / 2,134**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$37,496**  
 SKILLS [INTERESTS]: **AL, S, I, LS (S, A)**

**CERT**

## Associate Degree

### Library Technicians [25-4031]

Assist librarians by helping readers in the use of library catalogs, databases, and indexes to locate books and other materials; and by answering questions that require only brief consultation of standard reference. Compile records; sort and shelve books or other media; remove or repair damaged books or other media; register patrons; and check materials in and out of the circulation process. Replace materials in shelving area (stacks) or files. Includes bookmobile drivers who assist with providing services in mobile libraries.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,031 / 152**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$52,963 / \$25.47**  
 SKILLS [INTERESTS]: **CT, SP, SO, AL, S, RC (C, S, E)**

**AA/AS**

### Preschool Teachers [25-2011]

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

EMPLOYED/ANNUAL TOTAL OPENINGS: **6,127 / 884**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$41,291 / \$19.85**  
 SKILLS [INTERESTS]: **CT, AL, Co, SP, I, LS, S (S, A)**

**AA/AS**

## Bachelors Degree

### Adult Education Teachers [25-3011]

Teach or instruct out-of-school youths and adults in basic education, literacy, or English as a Second Language classes, or in classes for earning a high school equivalency credential.

EMPLOYED/ANNUAL TOTAL OPENINGS: **572 / 55**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$66,176 / \$31.81**  
 SKILLS [INTERESTS]: **RC, W, AL, S, I (S, A, E)**

**BA/BS**

### Elementary School Teachers [25-2021]

Teach academic and social skills to students at the elementary school level.

EMPLOYED/ANNUAL TOTAL OPENINGS: **14,095 / 1,021**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$81,225**  
 SKILLS [INTERESTS]: **AL, LS, I, S (S, A, C)**

**BA/BS**

### Career/Technical Education Teachers, Secondary School [25-2032]

Teach occupational, vocational, career, or technical subjects to students at the secondary school level.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,421 / 98**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$81,368**  
 SKILLS [INTERESTS]: **M, S, RC, AL, W, I (S)**

**BA/BS**

### Education Administrators, Preschool & Childcare Center/Program [11-9031]

Plan, direct, or coordinate academic or nonacademic activities of preschools or childcare centers and programs, including before- and after-school care.

EMPLOYED/ANNUAL TOTAL OPENINGS: **791 / 81**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$65,343 / \$31.41**  
 SKILLS [INTERESTS]: **SP, Co, TM, RC, CT, AL, S, M (E, S, C)**

**BA/BS**

### Interpreters and Translators [27-3091]

Interpret oral or sign language, or translate written text from one language into another.

EMPLOYED/ANNUAL TOTAL OPENINGS: **483 / 64**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$67,604 / \$32.51**  
 SKILLS [INTERESTS]: **M, CT, W, RC, S, AL (A, S, C)**

**BA/BS**

### Kindergarten Teachers [25-2012]

Teach academic and social skills to kindergarten students.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,373 / 140**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$80,878**  
 SKILLS [INTERESTS]: **AL, SP, S, I (S, A)**

**BA/BS**

### Middle School Teachers [25-2022]

Teach one or more subjects to students at the middle, intermediate, or junior high school level.

EMPLOYED/ANNUAL TOTAL OPENINGS: **7,278 / 530**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$82,786**  
 SKILLS [INTERESTS]: **W, SP, LS, RC, AL, I, S (S, A)**

**BA/BS**

### Secondary School Teachers [25-3011]

Teach one or more subjects to students at the secondary school level.

EMPLOYED/ANNUAL TOTAL OPENINGS: **14,779 / 1,024**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$80,103**  
 SKILLS [INTERESTS]: **AL, S, I, LS (S, A, E)**

**BA/BS**

### Special Education Teachers, Kindergarten and Elementary School [25-2052]

Teach academic, social, and life skills to kindergarten and elementary students with learning, emotional, or physical disabilities. Includes teachers who specialize and work with students who are blind or have visual impairments, students who are deaf or have hearing impairments, and students with intellectual disabilities.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,496 / 185**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$79,674**  
 SKILLS [INTERESTS]: **AL, S, I, LS (S, A)**

**BA/BS**

### Special Education Teachers, Middle School [25-2057]

Teach academic, social, and life skills to middle school students with learning, emotional, or physical disabilities. Includes teachers who specialize and work with students who are blind or have visual impairments; students who are deaf or have hearing impairments; and students with intellectual disabilities.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,095 / 81**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$84,674**  
 SKILLS [INTERESTS]: **AL, S, I, LS (S, A)**

**BA/BS**

### Vocational Education Teachers, Postsecondary [25-1194]

Teach vocational courses intended to provide occupational training below the baccalaureate level in subjects such as construction, mechanics/repair, manufacturing, transportation, or cosmetology, primarily to students who have graduated from or left high school. Teaching takes place in public or private schools whose primary business is academic or vocational education.

EMPLOYED/ANNUAL TOTAL OPENINGS: **691 / 82**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$55,891 / \$26.87**  
 SKILLS [INTERESTS]: **M, AL, S, LS, I (S, R)**

**BA/BS**

## Masters Degree

### Education Administrators, Elementary and Secondary School [11-9032]

Plan, direct, or coordinate the academic, administrative, or auxiliary activities of kindergarten, elementary, or secondary schools.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,884 / 288**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$133,325**  
 SKILLS [INTERESTS]: **W, CT, RC, AL, S (E, S, C)**

**MA/MS**

### Educational, Guidance, School, and Vocational Counselors [21-1012]

Advise and assist students and provide educational and vocational guidance services.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,361 / 342**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$70,410 / \$33.85**  
 SKILLS [INTERESTS]: **W, CT, SP, RC, AL, S (S, E, A)**

**MA/MS**

# You'd make a great teacher!

Calling all future teachers ready to pursue a calling and a career!

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## Tips for Future Educators

### ✓ Need an undergraduate degree?

Explore educator preparation programs that allow you to earn your degree and teaching license at the same time.

### ✓ Already have a degree?

If you already have your Bachelor's, consider specialized alternative licensure programs that allow you to teach (and earn a paycheck!) while you complete your teaching program.

### ✓ Consider a shortage area.

If you are interested in special education, STEM subjects, or world languages, there are permanent positions waiting for you across Connecticut

### ✓ Explore financial aid.

Future Connecticut teachers can benefit from extensive stipend, scholarship, and grant opportunities.

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## Masters Degree

### Instructional Coordinators <sup>[25-9031]</sup>

Develop instructional material, coordinate educational content, and incorporate current technology into instruction in order to provide guidelines to educators and instructors for developing curricula and conducting courses. May train and coach teachers. Includes educational consultants and specialists, and instructional material directors.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,127 / 112**

AVERAGE ANNUAL/HOURLY WAGES: **\$99,825 / \$47.99**

SKILLS [INTERESTS]: **AL, ALearn, M, LS, W, S, RC (S, I, E, A)**

**MA/MS**    

### Librarians and Media Collections Specialists <sup>[25-4022]</sup>

Administer and maintain libraries or collections of information, for public or private access through reference or borrowing. Work in a variety of settings, such as educational institutions, museums, and corporations, and with various types of informational materials, such as books, periodicals, recordings, films, and databases.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,047 / 257**

AVERAGE ANNUAL/HOURLY WAGES: **\$74,675 / \$35.90**

SKILLS [INTERESTS]: **AL, RC, S, CT, W (C, S, R)**

**MA/MS**   

### INTERESTS LEGEND



**R** - Realistic occupations involve work activities that include practical hands-on problems and solutions.



**I** - Investigative occupations involve working with ideas, and require an extensive amount of thinking and searching for facts.



**A** - Artistic occupations involve working with forms, designs and patterns without a clear set of rules; requires self-expression.



**S** - Social occupations involve working and communicating with people; helping, teaching, or providing services to others.



**E** - Enterprising occupations involve starting up and carrying out projects, often leading people to make (business) decisions.



**C** - Conventional occupations involve following set procedures and routines, working with details and data more than with ideas.

### SKILLS LEGEND:

AL - Active Listening, ALearn - Active Learning, Co - Coordination, CPS - Complex Problem Solving, CT - Critical Thinking, EM - Equipment Maintenance, I - Instructing, LS - Learning Strategies, J - Judgment and Decision Making, M - Monitoring, OA - Operations Analysis, OC - Operation and Control, OM - Operation Monitoring, QCA - Quality Control Analysis, RC - Reading Comprehension, Rpr - Repairing, S - Speaking, SO - Service Orientation, SP - Social Perceptiveness, T - Troubleshooting, TM - Time Management, W - Writing

## Doctoral Degree

### Biological Science Teachers <sup>[25-1042]</sup>

Teach courses in biological sciences. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,522 / 165**

AVERAGE ANNUAL/HOURLY WAGES: **\$117,211**

SKILLS [INTERESTS]: **Sci, AL, I, W, LS, RC, S (S, I)**

**PhD**  

### Business Teachers <sup>[25-1011]</sup>

Teach courses in business administration and management, such as accounting, finance, human resources, labor and industrial relations, marketing, and operations research. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,349 / 134**

AVERAGE ANNUAL/HOURLY WAGES: **\$97,346**

SKILLS [INTERESTS]: **W, AL, LS, CT, I, RC, S (S, E, I)**

**PhD**  

### Computer Science Teachers <sup>[25-1021]</sup>

Teach courses in computer science. May specialize in a field of computer science, such as the design and function of computers or operations and research analysis. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

EMPLOYED/ANNUAL TOTAL OPENINGS: **426 / 42**

AVERAGE ANNUAL/HOURLY WAGES: **\$94,632**

SKILLS [INTERESTS]: **LS, CT, W, RC, I, S (S, I, C)**

**PhD**  

### Criminal Justice and Law Enforcement Teachers <sup>[25-1111]</sup>

Teach courses in criminal justice, corrections, and law enforcement administration. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

EMPLOYED/ANNUAL TOTAL OPENINGS: **230 / 25**

AVERAGE ANNUAL/HOURLY WAGES: **\$80,511**

SKILLS [INTERESTS]: **I, ALearn, LS, W, AL, RC, CT, S (S, I)**

**PhD**  

### Engineering Teachers <sup>[25-1032]</sup>

Teach courses pertaining to the application of physical laws and principles of engineering for the development of machines, materials, instruments, processes, and services. Includes teachers of subjects such as chemical, civil, electrical, industrial, mechanical, mineral, and petroleum engineering. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

EMPLOYED/ANNUAL TOTAL OPENINGS: **569 / 61**

AVERAGE ANNUAL/HOURLY WAGES: **\$104,940**

SKILLS [INTERESTS]: **LS, S, I, W, AL, RC (S, I, R)**

**PhD**   

### Environmental Science Teachers <sup>[25-1053]</sup>

Teach courses in environmental science. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

EMPLOYED/ANNUAL TOTAL OPENINGS: **70 / 6**

AVERAGE ANNUAL/HOURLY WAGES: **\$92,704**

SKILLS [INTERESTS]: **CT, M, LS, ALearn, AL, I, Sci, S (S, I, A)**

**PhD**   

### Foreign Language and Literature Teachers <sup>[25-1124]</sup>

Teach languages and literature courses in languages other than English. Includes teachers of American Sign Language (ASL). Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

EMPLOYED/ANNUAL TOTAL OPENINGS: **506 / 54**

AVERAGE ANNUAL/HOURLY WAGES: **\$74,787**

SKILLS [INTERESTS]: **LS, CT, W, AL, RC, I, S (S, A, I)**

**PhD**   

### Mathematical Science Teachers <sup>[25-1022]</sup>

Teach courses pertaining to mathematical concepts, statistics, and actuarial science and to the application of original and standardized mathematical techniques in solving specific problems and situations. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

EMPLOYED/ANNUAL TOTAL OPENINGS: **641 / 63**

AVERAGE ANNUAL/HOURLY WAGES: **\$82,439**

SKILLS [INTERESTS]: **AL, I, CT, S, W, RC, Ma (S, I, C, A)**

**PhD**    

### Nursing Instructors and Teachers <sup>[25-1072]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **765 / 95**

AVERAGE ANNUAL/HOURLY WAGES: **\$98,580**

SKILLS [INTERESTS]: **RC, AL, CT, ALearn, LS, W, I, S (S, I)**

**PhD**  

### Physics Teachers <sup>[25-1054]</sup>

Teach courses pertaining to the laws of matter and energy. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

EMPLOYED/ANNUAL TOTAL OPENINGS: **264 / 27**

AVERAGE ANNUAL/HOURLY WAGES: **\$92,816**

SKILLS [INTERESTS]: **LS, CT, Sci, AL, W, I, ALearn, RC, S (S, I)**

**PhD**  

### Social Work Teachers <sup>[25-1113]</sup>

Teach courses in social work. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

EMPLOYED/ANNUAL TOTAL OPENINGS: **218 / 21**

AVERAGE ANNUAL/HOURLY WAGES: **\$80,440**

SKILLS [INTERESTS]: **LS, CT, W, RC, I, S (S, I, A)**

**PhD**   

# IF YOU WANT SUCCESS . . . START WITH A PLAN!

**The time to think about your future is now.**

You will graduate with a solid foundation in reading and mathematics – and those skills will help you for the rest of your life. But you can also benefit from career-connected opportunities and real-world experiences. That's where the Student Success Plan (SSP) can help.

The Student Success plan is about your interests and helping you achieve your educational and career goals. From sixth grade through high school the SSP provides you with support and assistance in setting and achieving your goals for social, emotional, physical, and academic growth . . . and to allow you to explore opportunities and take your next step along your education and career pathway.



**THE STUDENT SUCCESS PLAN**  
IN CONNECTICUT

## CORE COMPONENTS OF EFFECTIVE STUDENT SUCCESS PLANS

### 1. Academic Development

The Student Success Plan is designed to ensure that students complete their secondary education with 21st Century Skills.

### 2. Career Development

Students will investigate their own interests and abilities as they relate to the world of work. The Student Success Plan will allow students to make better career choices with the academic foundation to achieve their career and personal goals.

### 3. Social, Emotional and Physical Development

The Student Success Plan supports positive social, emotional and physical development allowing students to more fully engage in the school environment and allowing students to embrace opportunities for academic, career, and postsecondary success.

## CONNECTICUT EDUCATION AND TRAINING CONNECTION



The Connecticut Education and Training Connection is intended for use by students, teachers, counselors, job seekers, job developers, and others in need of information on education and training. It offers several search options to explore the world of Education & Training in Connecticut - find providers in your area, locate providers that offer the program or course you are interested in, or find out which programs or courses are related to the occupation you are interested in. [www.cttraining.info/](http://www.cttraining.info/)

# FINANCE



## Jobs after high school

### Insurance Appraisers, Auto Damage <sup>[13-1032]</sup>

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 automotive repair shop on repair costs.

EMPLOYED/ANNUAL TOTAL OPENINGS: **48 / 3**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$79,683 / \$38.31**  
 SKILLS [INTERESTS]: **CT, S, W, RC, AL (C, R, E)**

**CERT OJT**

### Brokerage Clerks <sup>[43-0011]</sup>

Perform duties related to the purchase, sale, or holding of securities. Duties include writing orders for stock purchases or sales, computing transfer taxes, verifying stock transactions, accepting and delivering securities, tracking stock price fluctuations, computing equity, distributing dividends, and keeping records of daily transactions and holdings.

EMPLOYED/ANNUAL TOTAL OPENINGS: **435 / 42**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$72,357 / \$34.79**  
 SKILLS [INTERESTS]: **CT, TM, S, RC, AL (C, E)**

**HS OJT**

### Claims Adjusters, Examiners, and Investigators <sup>[13-1031]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,674 / 225**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$82,728 / \$39.78**  
 SKILLS [INTERESTS]: **CT, AI, S, J (C, E, I)**

**HS OJT**

### Insurance Sales Agents <sup>[41-3021]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **7,410 / 689**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$73,579 / \$35.38**  
 SKILLS [INTERESTS]: **TM, SO, Pers, CT, W, S, RC, AL (E, C, S)**

**HS OJT**

### Insurance Claims and Policy Processing Clerks <sup>[43-9041]</sup>

Process new insurance policies, modifications to existing policies, and claims forms. Obtain information from policyholders to verify the accuracy and completeness of information on claims forms, applications and related documents, and company records. Update existing policies and company records to reflect changes requested by policyholders and insurance company representatives.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,625 / 298**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$59,982 / \$28.83**  
 SKILLS [INTERESTS]: **RC, TM, S, AL, CT (C, E, S)**

**HS OJT**

### Loan Interviewers and Clerks <sup>[43-4131]</sup>

Interview loan applicants to elicit information; investigate applicants' backgrounds and verify references; prepare loan request papers; and forward findings, reports, and documents to appraisal department. Review loan papers to ensure completeness, and complete transactions between loan establishment, borrowers, and sellers upon approval of loan.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,305 / 108**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$48,589 / \$23.36**  
 SKILLS [INTERESTS]: **SP, W, CT, RC, S, AL (C, E)**

**HS OJT**

### Tax Preparers <sup>[13-2082]</sup>

Prepare tax returns for individuals or small businesses.

EMPLOYED/ANNUAL TOTAL OPENINGS: **560 / 69**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$63,684 / \$30.62**  
 SKILLS [INTERESTS]: **S, CT, RC, AL (C, E)**

**HS OJT**

## Bachelors Degree

### Accountants and Auditors <sup>[13-2011]</sup>

Examine, analyze, and interpret accounting records to prepare financial statements, give advice, or audit and evaluate statements prepared by others. Install or advise on systems of recording costs or other financial and budgetary data.

EMPLOYED/ANNUAL TOTAL OPENINGS: **16,736 / 1,736**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$85,822 / \$41.26**  
 SKILLS [INTERESTS]: **AL, RC, CT, S, W (C, E, I)**

**BA/BS**

### Budget Analysts <sup>[13-2031]</sup>

Examine budget estimates for completeness, accuracy, and conformance with procedures and regulations. Analyze budgeting and accounting reports.

EMPLOYED/ANNUAL TOTAL OPENINGS: **869 / 79**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$87,673 / \$42.15**  
 SKILLS [INTERESTS]: **Ma, CPS, J, CT, S, RC, AL (C, E, I)**

**BA/BS**

### Credit Analysts <sup>[13-2041]</sup>

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 decisionmaking.

EMPLOYED/ANNUAL TOTAL OPENINGS: **851 / 63**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$99,496 / \$47.84**  
 SKILLS [INTERESTS]: **Ma, RC, AL, S, J, ALearn, CT (C, E)**

**BA/BS**

### Financial Managers <sup>[11-3031]</sup>

Plan, direct, or coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment.

EMPLOYED/ANNUAL TOTAL OPENINGS: **17,991 / 1,698**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$172,433 / \$82.90**  
 SKILLS [INTERESTS]: **SP, W, CT, RC, S, AL (C, E)**

**BA/BS**

### Actuaries <sup>[15-2011]</sup>

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. May ascertain insurance rates required and cash reserves necessary to ensure payment of future benefits.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,287 / 98**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$152,462 / \$73.30**  
 SKILLS [INTERESTS]: **S, AL, SE, SA, RC, CPS, J, CT, Ma (C, I, E)**

**BA/BS OJT**

### Insurance Underwriters <sup>[13-2053]</sup>

Review individual applications for insurance to evaluate degree of risk involved and determine acceptance of applications.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,493 / 198**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$91,051 / \$43.77**  
 SKILLS [INTERESTS]: **W, S, CT, RC, AL, J (C, E, I)**

**BA/BS OJT**

### Personal Financial Advisors <sup>[13-2052]</sup>

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. May also buy and sell financial assets for clients.

EMPLOYED/ANNUAL TOTAL OPENINGS: **5,770 / 489**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$138,715 / \$66.69**  
 SKILLS [INTERESTS]: **SO, S, RC, AL, CT, J (E, C, S)**

**BA/BS OJT**

### Securities, Commodities, and Financial Services Sales Agents <sup>[41-3031]</sup>

Buy and sell securities or commodities in investment and trading firms, or provide financial services to businesses and individuals.

EMPLOYED/ANNUAL TOTAL OPENINGS: **5,646 / 522**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$134,519 / \$64.67**  
 SKILLS [INTERESTS]: **AI, CT, J, M, Alearn (E, C)**

**BA/BS OJT**

# GOVERNMENT AND PUBLIC ADMINISTRATION



## Jobs after high school

### Construction & Building Inspectors <sup>[47-4011]</sup>

Inspect structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations. Inspections may be general in nature or may be limited to a specific area, such as electrical systems or plumbing.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,186 / 141**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$89,096 / \$42.83**  
 SKILLS [INTERESTS]: **W, QCA, J, CPS, S, CT, AL, RC (R, C, I)**

**HS OJT**

### Court, Municipal, and License Clerks <sup>[43-4031]</sup>

Perform clerical duties for courts of law, municipalities, or governmental licensing agencies and bureaus. May prepare docket of cases to be called; secure information for judges and court; prepare draft agendas or bylaws for town or city council; answer official correspondence; keep fiscal records and accounts; issue licenses or permits; and record data, administer tests, or collect fees.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,137 / 128**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$55,028 / \$26.45**  
 SKILLS [INTERESTS]: **AL, S, RC, W, CT (C, E, S)**

**HS OJT**

### Occupational Health and Safety Technicians <sup>[19-5012]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **133 / 12**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$59,728 / \$28.72**  
 SKILLS [INTERESTS]: **AI, CT, S, W, RC (C, R, I)**

**HS OJT**

#### SKILLS LEGEND:

AL - Active Listening, ALearn - Active Learning, Co - Coordination, CPS - Complex Problem Solving, CT - Critical Thinking, EM - Equipment Maintenance, I - Instructing, LS - Learning Strategies, J - Judgment and Decision Making, M - Monitoring, OA - Operations Analysis, OC - Operation and Control, OM - Operation Monitoring, QCA - Quality Control Analysis, RC - Reading Comprehension, Rpr - Repairing, S - Speaking, SO - Service Orientation, SP - Social Perceptiveness, T - Troubleshooting, TM - Time Management, W - Writing

### Postmasters and Mail Superintendents <sup>[11-9131]</sup>

Plan, direct, or coordinate operational, administrative, management, and support services of a U.S. post office; or coordinate activities of workers engaged in postal and related work in assigned post office.

EMPLOYED/ANNUAL TOTAL OPENINGS: **165 / 13**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$82,131 / \$39.48**  
 SKILLS [INTERESTS]: **MPR, RC, TM, SP, Co, M, S, AL, CT (E, C, S)**

**HS OJT**

### Transportation Inspectors <sup>[53-6051]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **165 / 21**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$89,970 / \$43.26**  
 SKILLS [INTERESTS]: **RC, AL, CT, S, M (R, C, E)**

**HS OJT**

### Transportation Security Screeners <sup>[33-9093]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **188 / 13**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$49,246 / \$23.68**  
 SKILLS [INTERESTS]: **J, AL, CT, Co, SP, M, S (E, R, C)**

**HS OJT**

### Postal Service Clerks <sup>[43-5051]</sup>

Perform any combination of tasks in a United States Postal Service (USPS) post office, such as receive letters and parcels; sell postage and revenue stamps, postal 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. Includes postal service clerks employed by USPS contractors.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,082 / 94**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$53,564 / \$25.75**  
 SKILLS [INTERESTS]: **RC, SP, AL, SO, S (C, R)**

**HS OJT**

CONNECTICUT CAREER PATHS

## Bachelors Degree

### Occupational Health and Safety Specialists <sup>[19-5011]</sup>

Review, evaluate, and analyze work environments and design programs and procedures to control, eliminate, and prevent disease or injury caused by chemical, physical, and biological agents or ergonomic factors. May conduct inspections and enforce adherence to laws and regulations governing the health and safety of individuals. May be employed in the public or private sector.

EMPLOYED/ANNUAL TOTAL OPENINGS: **797 / 67**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$88,347 / \$42.47**  
 SKILLS [INTERESTS]: **S, AL, CPS, CT, RC (I, C, S, R)**

**BA/BS**

### Statistical Assistants <sup>[43-9111]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **114 / 14**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$73,513 / \$35.34**  
 SKILLS [INTERESTS]: **AL, W, S, ALearn, CPS, RC, CT, Ma (C, I, E)**

**BA/BS**

### Compliance Officers <sup>[13-1041]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,210 / 283**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$86,803 / \$41.74**  
 SKILLS [INTERESTS]: **AL, RC, S, J, CT (C, E, S)**

**BA/BS OJT**

### Financial Examiners <sup>[13-2061]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **253 / 24**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$107,293 / \$51.58**  
 SKILLS [INTERESTS]: **CT, AL, RC (E, C)**

**BA/BS OJT**

### Property Appraisers and Assessors <sup>[13-2020]</sup>

Property appraisers and assessors provide a value estimate on real estate and on tangible personal and business property.

EMPLOYED/ANNUAL TOTAL OPENINGS: **781 / 70**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$83,810 / \$40.29**  
 SKILLS [INTERESTS]: **J, AL, CT, S, RC (E, R, C)**

**BA/BS OJT**

### Tax Examiners and Collectors, and Revenue Agents <sup>[13-2081]</sup>

Determine tax liability or collect taxes from individuals or business firms according to prescribed laws and regulations.

EMPLOYED/ANNUAL TOTAL OPENINGS: **665 / 58**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$89,807 / \$43.17**  
 SKILLS [INTERESTS]: **W, S, CT, AL, RC (C, E)**

**BA/BS OJT**

# HEALTH SCIENCE



## Jobs after high school

### Medical Secretaries [43-6013]

Perform secretarial duties using specific knowledge of medical terminology and hospital, clinic, or laboratory procedures. Duties may include scheduling appointments, billing patients, and compiling and recording medical charts, reports, and correspondence.

EMPLOYED/ANNUAL TOTAL OPENINGS: **4,364 / 548**

AVERAGE ANNUAL/HOURLY WAGES: **\$42,745 / \$20.55**

SKILLS [INTERESTS]: **RC, SO, AL, S (C, S)**

**HS OJT**  

### Opticians, Dispensing [29-2081]

Design, measure, fit, and adapt lenses and frames for client according to written optical prescription or specification. Assist client with inserting, removing, and caring for contact lenses. Assist client with selecting frames. Measure customer for size of eyeglasses and coordinate frames with facial and eye measurements and optical prescription. Prepare work order for optical laboratory containing instructions for grinding and mounting lenses in frames. Verify exactness of finished lens spectacles. Adjust frame and lens position.

EMPLOYED/ANNUAL TOTAL OPENINGS: **429 / 42**

AVERAGE ANNUAL/HOURLY WAGES: **\$63,431 / \$30.50**

SKILLS [INTERESTS]: **SP, ALearn, CT, SO, RC, AL, S (E, C, S, R)**

**HS OJT**    

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **293 / 32**

AVERAGE ANNUAL/HOURLY WAGES: **\$32,102 / \$15.43**

SKILLS [INTERESTS]: **Co, RC, SP, SO, S, AL (C, R)**

**HS OJT**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,817 / 342**

AVERAGE ANNUAL/HOURLY WAGES: **\$37,016 / \$17.79**

SKILLS [INTERESTS]: **CT, S, RC, AL (C, R)**

**HS OJT**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **383 / 51**

AVERAGE ANNUAL/HOURLY WAGES: **\$43,300 / \$20.82**

SKILLS [INTERESTS]: **S, M, Co, SO, SP, AL (S, R)**

**HS OJT**  

### 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 laboratories and animal hospitals and clinics. Clean and disinfect cages and work areas, and sterilize laboratory and surgical equipment. May provide routine postoperative care, administer medication orally or topically, or prepare samples for laboratory examination under the supervision of veterinary or laboratory animal technologists or technicians, veterinarians, or scientists.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,291 / 247**

AVERAGE ANNUAL/HOURLY WAGES: **\$37,396 / \$17.98**

SKILLS [INTERESTS]: **SO, M, AL (R, S, I)**

**HS OJT**   

### Health Information Technologists, Medical Registrars, Surgical Assistants [29-9098]

Apply knowledge of healthcare and information systems to assist in the design, development, and continued modification and analysis of computerized healthcare systems. Abstract, collect, and analyze treatment and follow-up information of patients. Assist in operations, under the supervision of surgeons.

EMPLOYED/ANNUAL TOTAL OPENINGS: **733 / 55**

AVERAGE ANNUAL/HOURLY WAGES: **\$79,205 / \$38.08**

SKILLS [INTERESTS]: **AL, S, CT, RC, M, (C, S, R)**

**CERT**   

### 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, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.

EMPLOYED/ANNUAL TOTAL OPENINGS: **7,922 / 608**

AVERAGE ANNUAL/HOURLY WAGES: **\$59,616 / \$28.66**

SKILLS [INTERESTS]: **CT, Co, S, SP, TM, M, AL, RC, SO (S, R)**

**CERT**  

### Medical Assistants [31-9092]

Perform administrative and certain clinical duties under the direction of a physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding information for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by physician.

EMPLOYED/ANNUAL TOTAL OPENINGS: **8,909 / 1,267**

AVERAGE ANNUAL/HOURLY WAGES: **\$42,544 / \$20.46**

SKILLS [INTERESTS]: **CT, M, SP, AL, RC, S (C, S, R)**

**CERT**   

### Medical Transcriptionists [31-9094]

Transcribe medical reports recorded by physicians and other healthcare practitioners using various electronic devices, covering office visits, emergency room visits, diagnostic imaging studies, operations, chart reviews, and final summaries. Transcribe dictated reports and translate abbreviations into fully understandable form. Edit as necessary and return reports in either printed or electronic form for review and signature, or correction.

EMPLOYED/ANNUAL TOTAL OPENINGS: **871 / 117**

AVERAGE ANNUAL/HOURLY WAGES: **\$48,966 / \$23.55**

SKILLS [INTERESTS]: **TM, W, RC, AL (C, R)**

**CERT**  

### Nursing Assistants [31-1131]

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

EMPLOYED/ANNUAL TOTAL OPENINGS: **21,935 / 2,509**

AVERAGE ANNUAL/HOURLY WAGES: **\$36,670 / \$17.63**

SKILLS [INTERESTS]: **SO, AL, SP, M, Co (S, C, R)**

**CERT**   

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,346 / 184**

AVERAGE ANNUAL/HOURLY WAGES: **\$42,647 / \$20.50**

SKILLS [INTERESTS]: **CT, S, SP, AL, SO (C, R, S, I)**

**CERT**    

## Associate Degree

### Cardiovascular Technologists and Technicians [29-2031]

Conduct tests on pulmonary or cardiovascular systems of patients for diagnostic, therapeutic, or research purposes. May conduct or assist in electrocardiograms, cardiac catheterizations, pulmonary functions, lung capacity, and similar tests.

EMPLOYED/ANNUAL TOTAL OPENINGS: **422 / 32**

AVERAGE ANNUAL/HOURLY WAGES: **\$77,715 / \$37.36**

SKILLS [INTERESTS]: **Sci, SP, RC, S, CT, OM, M, AL (S, I, R)**

**AA/AS**   

### Dental Hygienists [29-1292]

Administer oral hygiene care to patients. Assess patient oral hygiene problems or needs and maintain health records. Advise patients on oral health maintenance and disease prevention. May provide advanced care such as providing fluoride treatment or administering topical anesthesia.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,398 / 363**

AVERAGE ANNUAL/HOURLY WAGES: **\$87,602 / \$42.12**

SKILLS [INTERESTS]: **AL, CT, S, M, SO (S, R, C)**

**AA/AS**   

### Diagnostic Medical Sonographers [29-2032]

Produce ultrasonic recordings of internal organs for use by physicians. Includes vascular technologists.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,072 / 96**

AVERAGE ANNUAL/HOURLY WAGES: **\$87,347 / \$42.00**

SKILLS [INTERESTS]: **M, CT, RC, S, SP, AL (I, S, R)**

**AA/AS**   

### 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. May interview patient, explain MRI procedures, and position patient on examining table. May enter into the computer data such as patient history, anatomical area to be scanned, orientation specified, and position of entry.

EMPLOYED/ANNUAL TOTAL OPENINGS: **311 / 24**

AVERAGE ANNUAL/HOURLY WAGES: **\$85,806 / \$41.25**

SKILLS [INTERESTS]: **S, M, RC, OM, AL (R, C, S)**

**AA/AS**   

### 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. Subject patients to radiation. Execute blood volume, red cell survival, and fat absorption studies following standard laboratory techniques.

EMPLOYED/ANNUAL TOTAL OPENINGS: **207 / 16**

AVERAGE ANNUAL/HOURLY WAGES: **\$94,275 / \$45.32**

SKILLS [INTERESTS]: **RC, W, M, S, AL, CT (I, R, S)**

**AA/AS**   

### Occupational Therapy Assistants [31-2011]

Assist occupational therapists in providing occupational therapy treatments and procedures. May, in accordance with state laws, assist in development of treatment plans, carry out routine functions, direct activity programs, and document the progress of treatments. Generally requires formal training.

EMPLOYED/ANNUAL TOTAL OPENINGS: **738 / 124**

AVERAGE ANNUAL/HOURLY WAGES: **\$71,248 / \$34.26**

SKILLS [INTERESTS]: **TM, J, SP, S, W, AL, RC (S, R)**

**AA/AS**  

### Physical Therapist Assistants [31-2021]

Assist physical therapists in providing physical therapy treatments and procedures. May, in accordance with state laws, assist in the development of treatment plans, carry out routine functions, document the progress of treatment, and modify specific treatments in accordance with patient status and within the scope of treatment plans established by a physical therapist. Generally requires formal training.

EMPLOYED/ANNUAL TOTAL OPENINGS: **585 / 96**

AVERAGE ANNUAL/HOURLY WAGES: **\$72,450 / \$34.83**

SKILLS [INTERESTS]: **SO, M, SP, S, AL (S, R, I)**

**AA/AS**   

### Radiation Therapists [29-1124]

Provide radiation therapy to patients as prescribed by a radiation oncologist according to established practices and standards. Duties may include reviewing prescription and diagnosis; acting as liaison with physician and supportive care personnel; preparing equipment, such as immobilization, treatment, and protection devices; and maintaining records, reports, and files. May assist in dosimetry procedures and tumor localization.

EMPLOYED/ANNUAL TOTAL OPENINGS: **149 / 9**

AVERAGE ANNUAL/HOURLY WAGES: **\$104,070 / \$50.04**

SKILLS [INTERESTS]: **OM, SP, CT, RC, AL (S, R, C)**

**AA/AS**   

### Radiologic Technologists [29-2034]

Take x-rays and CAT scans or administer nonradioactive materials into patient's bloodstream for diagnostic or research purposes. Includes radiologic technologists and technicians who specialize in other scanning modalities.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,210 / 169**

AVERAGE ANNUAL/HOURLY WAGES: **\$73,940 / \$35.55**

SKILLS [INTERESTS]: **SP, W, RC, S, AL (R, S)**

**AA/AS**  

### Respiratory Therapists [29-1126]

Assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities, including the supervision of respiratory therapy technicians. Initiate and conduct therapeutic procedures; maintain patient records; and select, assemble, check, and operate equipment.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,309 / 96**

AVERAGE ANNUAL/HOURLY WAGES: **\$72,981 / \$35.09**

SKILLS [INTERESTS]: **RC, AL, SP, SO, S, M, CT, AL (S, I, R)**

**AA/AS**   

### Veterinary Technologists and Technicians [29-2056]

Perform medical tests in a laboratory environment for use in the treatment and diagnosis of diseases in animals. Prepare vaccines and serums for prevention of diseases. Prepare tissue samples, take blood samples, and execute laboratory tests, such as urinalysis and blood counts. Clean and sterilize instruments and materials and maintain equipment and machines.

May assist a veterinarian during surgery.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,461 / 143**

AVERAGE ANNUAL/HOURLY WAGES: **\$49,606 / \$23.85**

SKILLS [INTERESTS]: **M, S, RC, AL, CT (R, I)**

**AA/AS**  

## Bachelors Degree

### Athletic Trainers [29-9091]

Evaluate and treat musculoskeletal injuries or illnesses. Provide preventive, therapeutic, emergency, and rehabilitative care.

EMPLOYED/ANNUAL TOTAL OPENINGS: **299 / 32**

AVERAGE ANNUAL/HOURLY WAGES: **\$60,493**

SKILLS [INTERESTS]: **M, SP, AL, S, CT (S, R, I)**

**BA/BS**   

### Clinical Laboratory Technologists and Technicians [29-2010]

Perform complex and routine medical laboratory tests for diagnosis, treatment, and prevention of disease.

EMPLOYED/ANNUAL TOTAL OPENINGS: **4,120 / 299**

AVERAGE ANNUAL/HOURLY WAGES: **\$70,747 / \$34.02**

SKILLS [INTERESTS]: **M, SP, AL, S, CT (S, R, I)**

**BA/BS**

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **7,056 / 820**

AVERAGE ANNUAL/HOURLY WAGES: **\$131,990 / \$63.46**

SKILLS [INTERESTS]: **AL, CT, J, S, RC (E, C, S)**

**BA/BS**   

### Registered Nurses [29-1141]

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

EMPLOYED/ANNUAL TOTAL OPENINGS: **34,472 / 1,958**

AVERAGE ANNUAL/HOURLY WAGES: **\$86,572 / \$41.62**

SKILLS [INTERESTS]: **RC, Co, CT, SO, S, AL, SP (S, I, C)**

**BA/BS**   

## HEALTH SCIENCE...continued

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **794 / 62**  
AVERAGE ANNUAL/HOURLY WAGES: **\$70,553 / \$33.92**  
SKILLS [INTERESTS]: **CT, W, S, AL (I, S, E)**

**BA/BS Intern**   

## Masters Degree

### Acupuncturists and Healthcare Diagnosing or Treating Practitioners [29-1298]

Diagnose, treat, and prevent disorders using acupuncture needles and other healthcare diagnosing or treating practitioners.

EMPLOYED/ANNUAL TOTAL OPENINGS: **257 / 16**  
AVERAGE ANNUAL/HOURLY WAGES: **\$108,528 / \$52.18**  
SKILLS [INTERESTS]: **AL, AS, CT, SO, J (S, R, I)**

**MA/MS**  

### Epidemiologists [19-1041]

Investigate and describe the determinants and distribution of disease, disability, or health outcomes. May develop the means for prevention and control.

EMPLOYED/ANNUAL TOTAL OPENINGS: **129 / 17**  
AVERAGE ANNUAL/HOURLY WAGES: **\$91,265 / \$43.88**  
SKILLS [INTERESTS]: **J, CPS, CT, W, AL, RC, S, Sci (I, S)**

**MA/MS**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **468 / 31**  
AVERAGE ANNUAL/HOURLY WAGES: **\$221,770 / \$106.62**  
SKILLS [INTERESTS]: **S, M, CT, Sci, RC, AL (I, R, S)**

**MA/MS**  

### 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. Must be registered nurses who have specialized graduate education.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,844 / 319**  
AVERAGE ANNUAL/HOURLY WAGES: **\$119,149 / \$57.29**  
SKILLS [INTERESTS]: **CT, M, SP, RC, S, Sci, AL (S, I, R)**

**MA/MS**  

#### SKILLS LEGEND:

AL - Active Listening, ALearn - Active Learning, Co - Coordination, CPS - Complex Problem Solving, CT - Critical Thinking, EM - Equipment Maintenance, I - Instructing, LS - Learning Strategies, J - Judgment and Decision Making, M - Monitoring, OA - Operations Analysis, OC - Operation and Control, OM - Operation Monitoring, QCA - Quality Control Analysis, RC - Reading Comprehension, Rpr - Repairing, S - Speaking, SO - Service Orientation, SP - Social Perceptiveness, T - Troubleshooting, TM - Time Management, W - Writing

### Occupational Therapists [29-1122]

Assess, plan, and organize 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. Use therapeutic techniques, adapt the individual's environment, teach skills, and modify specific tasks that present barriers to the individual.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,490 / 166**  
AVERAGE ANNUAL/HOURLY WAGES: **\$93,867 / \$45.13**  
SKILLS [INTERESTS]: **SP, CT, SO, AL, S, RC (S, I)**

**MA/MS** 

### Physician Assistants [29-1071]

Provide healthcare services typically performed by a physician, under the supervision of a physician. Conduct complete physicals, provide treatment, and counsel patients. May, in some cases, prescribe medication. Must graduate from an accredited educational program for physician assistants.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,454 / 229**  
AVERAGE ANNUAL/HOURLY WAGES: **\$149,075 / \$71.67**  
SKILLS [INTERESTS]: **SP, J, M, RC, CT, AL, S (S, I, R)**

**MA/MS**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **84 / 10**  
AVERAGE ANNUAL/HOURLY WAGES: **\$105,957 / \$50.94**  
SKILLS [INTERESTS]: **RC, AL, CT, SO, S (S, R, I)**

**MA/MS Intern**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,410 / 209**  
AVERAGE ANNUAL/HOURLY WAGES: **\$102,631 / \$49.34**  
SKILLS [INTERESTS]: **LS, SP, CT, S, RC, AL (S, I, A)**

**MA/MS Intern**  

## Doctoral Degree

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **202 / 9**  
AVERAGE ANNUAL/HOURLY WAGES: **\$79,889 / \$38.40**  
SKILLS [INTERESTS]: **W, ALearn, AL, CT, RC, S (I, S)**

**PhD**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **330 / 12**  
AVERAGE ANNUAL/HOURLY WAGES: **\$104,365 / \$50.18**  
SKILLS [INTERESTS]: **SP, W, RC, S, CT, AL (S, I, R)**

**PhD**  

### Dentists, General [29-1021]

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,236 / 72**  
AVERAGE ANNUAL/HOURLY WAGES: **\$225,933 / \$108.62**  
SKILLS [INTERESTS]: **SP, S, AL, M, J, CT (I, R, S)**

**PhD**  

### Medical Scientists, Ex. Epidemiologists

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. Includes physicians, dentists, pharmacologists, and medical pathologists who primarily conduct research. [19-1042]

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,094 / 143**  
AVERAGE ANNUAL/HOURLY WAGES: **\$138,321 / \$66.50**  
SKILLS [INTERESTS]: **S, CPS, W, AL, RC, Sci, CT (I, A, R, S)**

**PhD**  

### 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 specific eye conditions.

EMPLOYED/ANNUAL TOTAL OPENINGS: **710 / 29**  
AVERAGE ANNUAL/HOURLY WAGES: **\$182,152 / \$87.57**  
SKILLS [INTERESTS]: **SO, Co, RC, S, CT, AL, Sci (I, S, R)**

**PhD**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,415 / 147**  
AVERAGE ANNUAL/HOURLY WAGES: **\$127,353 / \$61.23**  
SKILLS [INTERESTS]: **W, SO, I, S, CT, M, AL, RC (I, C, S)**

**PhD**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,904 / 220**  
AVERAGE ANNUAL/HOURLY WAGES: **\$102,621 / \$49.34**  
SKILLS [INTERESTS]: **SO, SP, M, AL, S, CT, RC (S, I, R)**

**PhD**  

## 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,047 / 63**  
AVERAGE ANNUAL/HOURLY WAGES: **\$114,589 / \$55.10**  
SKILLS [INTERESTS]: **AL, J, CPS, CT, S, RC, Sci (I, R)**

**PhD**  

## Family Medicine Physicians [29-1215]

Diagnose, treat, and provide preventive care to individuals and families across the lifespan. May refer patients to specialists when needed for further diagnosis or treatment.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,030 / 34**  
AVERAGE ANNUAL/HOURLY WAGES: **\$206,231 / \$99.15**  
SKILLS [INTERESTS]: **CT, AL, RC, S, W (I, S, R)**

**PhD Intern**   

## General Internal Medicine Physicians [29-1216]

Diagnose and provide nonsurgical treatment for a wide range of diseases and injuries of internal organ systems. Provide care mainly for adults and adolescents, and are based primarily in an outpatient care setting.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,027 / 26**  
AVERAGE ANNUAL/HOURLY WAGES: **\$242,849 / \$116.75**  
SKILLS [INTERESTS]: **CT, AL, RC, S, W (I, S, R)**

**PhD Intern**   

## Obstetricians and Gynecologists [29-1218]

Provide medical care related to pregnancy or childbirth. Diagnose, treat, and help prevent diseases of women, particularly those affecting the reproductive system. May perform both medical and gynecological surgery functions.

EMPLOYED/ANNUAL TOTAL OPENINGS: **422 / 11**  
AVERAGE ANNUAL/HOURLY WAGES: **\$281,110 / \$135.15**  
SKILLS [INTERESTS]: **CT, AL, RC, S, AL (I, S, R)**

**PhD Intern**   

## Pediatricians, General [29-1221]

Diagnose, treat, and help prevent diseases and injuries in children. May refer patients to specialists for further diagnosis or treatment, as needed.

EMPLOYED/ANNUAL TOTAL OPENINGS: **397 / 9**  
AVERAGE ANNUAL/HOURLY WAGES: **\$197,253 / \$94.84**  
SKILLS [INTERESTS]: **CT, J, S, AL, RC (I, S)**

**PhD Intern**  

## Psychiatrists [29-1223]

Diagnose, treat, and help prevent mental disorders.

EMPLOYED/ANNUAL TOTAL OPENINGS: **361 / 12**  
AVERAGE ANNUAL/HOURLY WAGES: **\$242,523 / \$116.60**  
SKILLS [INTERESTS]: **AL, SP, CT, S, J (I, S, A)**

**PhD Intern**   

## Surgeons [29-1248]

Analyze the patient's medical history, medication allergies, physical condition, and examination results to verify the operation's necessity and to determine the best procedure.

EMPLOYED/ANNUAL TOTAL OPENINGS: **381 / 10**  
AVERAGE ANNUAL/HOURLY WAGES: **\$240,666 / \$115.70**  
SKILLS [INTERESTS]: **AL, RC, CPS, (S, I, R)**

**PhD Intern**   



## The CT Nursing Guide

YOUR SOURCE for World Class Nursing Education in Connecticut

Nationally accredited programs of nursing offering on the ground, online, and hybrid learning experiences

Find the nursing program that is right for you!

### Degree Options:

LPN	BSN	Ph.D.
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## Online Education

The Connecticut Center for Nursing Workforce, Inc. (CCNW) offers 100% online faculty-led Courses to support a nurse to seamlessly transition to roles as nurse faculty, as well as, to return to the practice setting.

### Full-Time Nurse Faculty Preparation Course

*Faculty Led  
6 Weeks Online*

Supports schools of nursing with effective onboarding solutions to transition new nurses and novice faculty to become successful in the full-time Nurse Faculty role.

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Supports schools of nursing to accelerate the onboarding of nurses to become successful in the part-time Clinical Nurse Faculty role.

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Supports licensed nurses with previous healthcare experience to update their skills and re-enter the nursing workforce.



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# HOSPITALITY AND TOURISM



## Bakers <sup>[51-3011]</sup>

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 "Chefs and Head Cooks".  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **4,636 / 463**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$34,246 / \$16.47**  
 SKILLS [INTERESTS]: **RC, Co, CT, S, SP, M, AL (R, C)**

**OJT**

## Bartenders <sup>[35-3011]</sup>

Mix and serve drinks to patrons, directly or through waitstaff.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **11,894 / 1,189**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$35,572 / \$17.10**  
 SKILLS [INTERESTS]: **CT, S, SP, SO, AL (C, E, R)**

**OJT**

## Cooks, Restaurant <sup>[35-2014]</sup>

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.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **23,954 / 2,396**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$35,479 / \$17.06**  
 SKILLS [INTERESTS]: **S, CT, QCA, J, AL, Co, M (R, E)**

**OJT**

## Food Preparation Workers <sup>[35-2021]</sup>

Perform a variety of food preparation duties other than cooking, such as preparing cold foods and shellfish, slicing meat, and brewing coffee or tea.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **24,609 / 2,461**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$32,931 / \$15.83**  
 SKILLS [INTERESTS]: **CT, SO, TM, Co, S, M, AL (R, C)**

**OJT**

## Gaming Change Persons and Booth Cashiers <sup>[41-2012]</sup>

Exchange coins, tokens, and chips for patrons' money. May issue payoffs and obtain customer's signature on receipt. May operate a booth in the slot machine area and furnish change persons with money bank at the start of the shift, or count and audit money in drawers.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **334 / 34**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$33,128 / \$15.92**  
 SKILLS [INTERESTS]: **SP, SO, Ma, AL, S (C, E, R)**

**OJT**

## Janitors and Cleaners, Except Maids and Housekeeping Cleaners <sup>[37-2011]</sup>

Keep buildings in clean and orderly condition. Perform heavy cleaning duties, such as cleaning floors, shampooing rugs, washing walls and glass, and removing rubbish. Duties may include tending furnace and boiler, performing routine maintenance activities, notifying management of need for repairs, and cleaning snow or debris from sidewalk.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **44,102 / 4,410**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$39,084 / \$18.79**  
 SKILLS [INTERESTS]: **M, SO, S, SP, TM, AL, Co, CT (R, C)**

**OJT**

## Maids and Housekeeping Cleaners <sup>[37-2012]</sup>

Perform any combination of light cleaning duties to maintain private households or commercial establishments, such as hotels and hospitals, in a clean and orderly manner. Duties may include making beds, replenishing linens, cleaning rooms and halls, and vacuuming.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **13,324 / 1,332**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$30,476 / \$14.65**  
 SKILLS [INTERESTS]: **CT, TM, SP, AL, S, M, Co, SO (R, C)**

**OJT**

## Ushers, Lobby Attendants, and Ticket Takers <sup>[39-3031]</sup>

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 helping patrons locate such facilities as restrooms and telephones.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **2,574 / 257**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$29,937 / \$14.39**  
 SKILLS [INTERESTS]: **CT, SO, S, AL, SP (C, S, E, R)**

**OJT**

## Waiters and Waitresses <sup>[35-3031]</sup>

Take orders and serve food and beverages to patrons at tables in dining establishment.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **58,256 / 5,826**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$33,459 / \$16.09**  
 SKILLS [INTERESTS]: **Co, S, SP, SO, AL (S, E, C, R)**

**OJT**

## Chefs and Head Cooks <sup>[35-1011]</sup>

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.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **2,775 / 277**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$61,956 / \$29.78**  
 SKILLS [INTERESTS]: **SP, TM, MPR, S, Co, M (E, R, A)**

**HS**

## First-Line Supervisors of Food Preparation and Serving Workers <sup>[35-1012]</sup>

Directly supervise and coordinate activities of workers engaged in preparing and serving food.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **14,277 / 1,428**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$49,640 / \$23.87**  
 SKILLS [INTERESTS]: **M, MPR, Co, AL, SO, S (E, C, R)**

**HS**

## First-Line Supervisors of Gambling Services Workers <sup>[39-1013]</sup>

Directly supervise and coordinate activities of workers in assigned gambling areas. May circulate among tables, observe operations, and ensure that stations and games are covered for each shift. May reset slot machines after payoffs and make repairs or adjustments to slot machines or recommend removal of slot machines for repair. May plan and organize activities and services for guests.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **667 / 67**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$69,435 / \$33.39**  
 SKILLS [INTERESTS]: **M, SO, AL, S, CT (E, C, R)**

**HS**

## First-Line Supervisors of Housekeeping and Janitorial Workers <sup>[37-1011]</sup>

Directly supervise and coordinate work activities of cleaning personnel in hotels, hospitals, offices, and other establishments.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **5,616 / 562**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$57,709 / \$27.74**  
 SKILLS [INTERESTS]: **Co, TM, S, M, SP, MPR (E, C, R)**

**HS**

## Food Service Managers <sup>[11-9051]</sup>

Plan, direct, or coordinate activities of an organization or department that serves food and beverages.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **1,892 / 189**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$77,802 / \$37.41**  
 SKILLS [INTERESTS]: **TM, M, SP, MPR, Co, CT, S, SO (E, C, S, R)**

**HS**

## Animal Trainers <sup>[39-2011]</sup>

Train animals for riding, harness, security, performance, or obedience, or for assisting persons with disabilities. Accustom animals to human voice and contact, and condition animals to respond to commands. Train animals according to prescribed standards for show or competition. May train animals to carry pack loads or work as part of pack team.  
 EMPLOYED/ANNUAL TOTAL OPENINGS: **825 / 83**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$39,302 / \$18.89**  
 SKILLS [INTERESTS]: **LS, CT, S, I (R)**

**HS OJT**

# CT NEEDS



OFFICE OF  
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## BUILD A NEW CAREER THROUGH CAREERCONNECT

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- HEALTHCARE
- IT
- CDL LICENSING
- GREEN JOBS
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You will be connected with a case manager to help you every step of the way and set you up for success. Support services are available based on eligibility and include:

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Brought to you by the Office of Workforce Strategy in collaboration with the Office of the Governor.



This project is being supported, in whole or in part, by federal award number SLFRP0128 awarded to the State of Connecticut by the U.S. Department of the Treasury.

# HUMAN SERVICES



## Jobs after high school

### Tailors, Dressmakers, and Custom Sewers <sup>[51-6052]</sup>

Design, make, alter, repair, or fit garments.

EMPLOYED/ANNUAL TOTAL OPENINGS: **274 / 37**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$45,010 / \$21.64**  
 SKILLS [INTERESTS]: **SP, CT, TM, AL (R, A, E)**

**OJT**

### Barbers <sup>[39-5011]</sup>

Provide barbering services, such as cutting, trimming, shampooing, and styling hair; trimming beards; or giving shaves.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,048 / 150**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$33,428 / \$16.08**  
 SKILLS [INTERESTS]: **SO, M, SP, S, AL (R, C, E)**

**CERT**

### Hairdressers, Hairstylists, and Cosmetologists <sup>[39-5012]</sup>

Provide beauty services, such as cutting, coloring, and styling hair, and massaging and treating scalp. May shampoo hair, apply makeup, dress wigs, remove hair, and provide nail and skincare services.

EMPLOYED/ANNUAL TOTAL OPENINGS: **6,805 / 1,807**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$37,095 / \$17.84**  
 SKILLS [INTERESTS]: **J, ALearn, SP, CT, S, SO, AL (A, E, S, R)**

**CERT**

### Manicurists and Pedicurists <sup>[39-5092]</sup>

Clean and shape customers' fingernails and toenails. May polish or decorate nails.

EMPLOYED/ANNUAL TOTAL OPENINGS: **6,189 / 1,002**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$27,990 / \$13.46**  
 SKILLS [INTERESTS]: **M, Co, SO, S, AL, SP (R, E, C, S)**

**CERT**

### Massage Therapists <sup>[31-9011]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,623 / 283**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$50,852 / \$24.45**  
 SKILLS [INTERESTS]: **SP, SO, CT, AL, S (S, R)**

**CERT**

### Childcare Workers <sup>[39-9011]</sup>

Attend to children at schools, businesses, private households, and childcare institutions. Perform a variety of tasks, such as dressing, feeding, bathing, and overseeing play.

EMPLOYED/ANNUAL TOTAL OPENINGS: **11,279 / 1,844**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$29,595 / \$14.22**  
 SKILLS [INTERESTS]: **Co, AL, J, SP, CT, SO, M, S (S, A)**

**HS OJT**

### Community Health Workers <sup>[21-1094]</sup>

Promote health within a community by assisting individuals to adopt healthy behaviors. Serve as an advocate for the health needs of individuals by assisting community residents in effectively communicating with healthcare providers or social service agencies. Act as liaison or advocate and implement programs that promote, maintain, and improve individual and overall community health. May deliver health-related preventive services such as blood pressure, glaucoma, and hearing screenings. May collect data to help identify community health needs.

EMPLOYED/ANNUAL TOTAL OPENINGS: **720 / 89**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$57,524 / \$27.66**  
 SKILLS [INTERESTS]: **RC, SO, W, AL, SP, S (S)**

**HS OJT**

### Fitness Trainers and Aerobics Instructors <sup>[39-9031]</sup>

Instruct or coach groups or individuals in exercise activities for the primary purpose of personal fitness.

Demonstrate techniques and form, observe participants, and explain to them corrective measures necessary to improve their skills. Develop and implement individualized approaches to exercise.

EMPLOYED/ANNUAL TOTAL OPENINGS: **8,042 / 1,945**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$65,406 / \$31.44**  
 SKILLS [INTERESTS]: **SP, M, LS, AL, S, SO, I (S, R, E)**

**HS OJT**

### Funeral Attendants <sup>[39-4021]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **617 / 93**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$35,500 / \$17.07**  
 SKILLS [INTERESTS]: **SP, AL, SO, S (S, E, R)**

**HS OJT**

### Residential Advisors <sup>[39-9041]</sup>

Coordinate activities in resident facilities in secondary school and college dormitories, group homes, or similar establishments. Order supplies and determine need for maintenance, repairs, and furnishings. May maintain household records and assign rooms. May assist residents with problem solving or refer them to counseling resources.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,111 / 376**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$36,722 / \$17.65**  
 SKILLS [INTERESTS]: **TM, N, Co, CT, M, S, AL, SP (S, E, C)**

**HS OJT**

### Social and Human Service Assistants <sup>[21-1093]</sup>

Assist other social and human service providers 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. May assist social workers with developing, organizing, and conducting programs to prevent and resolve problems relevant to substance abuse, human relationships, rehabilitation, or dependent care.

EMPLOYED/ANNUAL TOTAL OPENINGS: **8,500 / 1,138**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$44,556 / \$21.42**  
 SKILLS [INTERESTS]: **RC, M, W, SP, SO, S, AL (C, S, E)**

**HS OJT**

## Careers after college

### Funeral Home Managers <sup>[11-9171]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **139 / 12**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$101,852 / \$48.97**  
 SKILLS [INTERESTS]: **SO, AL, SP, S, M (E, C, S)**

**AA/AS**

### Morticians, Undertakers, and Funeral Directors <sup>[39-4031]</sup>

Perform various tasks to arrange and direct individual funeral services, such as coordinating transportation of body to mortuary, interviewing family or other authorized person to arrange details, selecting pallbearers, aiding with the selection of officials for religious rites, and providing transportation for mourners.

EMPLOYED/ANNUAL TOTAL OPENINGS: **273 / 37**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$130,522 / \$62.75**  
 SKILLS [INTERESTS]: **AL, Co, S, SO, SP (E, S, C)**

**AA/AS OJT**

#### SKILLS LEGEND:

AL - Active Listening, ALearn - Active Learning, Co - Coordination, CPS - Complex Problem Solving, CT - Critical Thinking, EM - Equipment Selection, I - Instructing, LS - Learning Strategies, J - Judgment and Decision Making, Ma - Mathematics, MPR - Management of Personnel Resources, M - Monitoring, N - Negotiation, OA - Operations Analysis, OC - Operation and Control, OM - Operation Monitoring, QCA - Quality Control Analysis, RC - Reading Comprehension, Rpr - Repairing, S - Speaking, Sci - Science, SO - Service Orientation, SP - Social Perceptiveness, SE - System Evaluation, T - Troubleshooting, TM - Time Management, W - Writing

## Child, Family and School Social Workers

Provide social services and assistance to improve the social and psychological functioning of children and their families and to maximize the family well-being and the academic functioning of children. May assist parents, arrange adoptions, and find foster homes for abandoned or abused children. In schools, they address such problems as teenage pregnancy, misbehavior, and truancy. May also advise teachers. [21-1021]

EMPLOYED/ANNUAL TOTAL OPENINGS: **5,666 / 556**  
AVERAGE ANNUAL/HOURLY WAGES: **\$69,614 / \$33.48**  
SKILLS [INTERESTS]: **SO, M, CT, SP, RC, S, AL (S, E)**

**BA/BS**  

## Health Educators [21-1091]

Provide and manage health education programs that help individuals, families, and their communities maximize and maintain healthy lifestyles. Use data to identify community needs prior to planning, implementing, monitoring, and evaluating programs designed to encourage healthy lifestyles, policies, and environments. May link health systems, health providers, insurers, and patients to address individual and population health needs.

EMPLOYED/ANNUAL TOTAL OPENINGS: **616 / 71**  
AVERAGE ANNUAL/HOURLY WAGES: **\$70,971 / \$34.12**  
SKILLS [INTERESTS]: **LS, RC, CT, W, AL, S (S, E)**

**BA/BS**  

## Social and Community Service Managers

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. Work may involve directing social workers, counselors, or probation officers. [11-9151]

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,713 / 390**  
AVERAGE ANNUAL/HOURLY WAGES: **\$71,896 / \$34.57**  
SKILLS [INTERESTS]: **CT, SP, Co, J, MPR, S, TM, AL (E, S)**

**BA/BS**  

## Substance Abuse, Behavioral Disorder, and Mental Health Counselors [21-1018]

Counsel and advise individuals and groups to promote optimum mental and emotional health, with an emphasis on prevention. May help individuals deal with a broad range of mental health issues, such as those associated with addictions and substance abuse; family, parenting, and marital problems; stress management; self-esteem; or aging.

EMPLOYED/ANNUAL TOTAL OPENINGS: **4,991 / 601**  
AVERAGE ANNUAL/HOURLY WAGES: **\$57,197 / \$27.50**  
SKILLS [INTERESTS]: **SP, AL, S, RC, SO, M (S, A, I)**

**BA/BS**  

## 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, loan underwriters, and payday loan officers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,462 / 185**  
AVERAGE ANNUAL/HOURLY WAGES: **\$72,887 / \$35.04**  
SKILLS [INTERESTS]: **CT, RC, J, AL, S (C, E, S)**

**BA/BS**   

## Rehabilitation Counselors [21-1015]

Counsel individuals to maximize the independence and employability of persons coping with personal, social, and vocational difficulties that result from birth defects, illness, disease, accidents, aging, or the stress of daily life. Coordinate activities for residents of care and treatment facilities. Assess client needs and design and implement rehabilitation programs that may include personal and vocational counseling, training, and job placement.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,659 / 271**  
AVERAGE ANNUAL/HOURLY WAGES: **\$44,923 / \$21.60**  
SKILLS [INTERESTS]: **CT, M, S, SP, AL (S, I)**

**MA/MS**  

## Healthcare Social Workers [21-1022]

Provide individuals, families, and groups with the psychosocial support needed to cope with chronic, acute, or terminal illnesses. Services include advising family caregivers. Provide patients with information and counseling, and make referrals for other services.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,214 / 213**  
AVERAGE ANNUAL/HOURLY WAGES: **\$73,308 / \$35.24**  
SKILLS [INTERESTS]: **RC, SO, SP, S, AL (S, I)**

**MA/MS Intern**  

## 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 to individuals, couples, and families for the purpose of treating such diagnosed nervous and mental disorders.

EMPLOYED/ANNUAL TOTAL OPENINGS: **523 / 59**  
AVERAGE ANNUAL/HOURLY WAGES: **\$52,361 / \$25.17**  
SKILLS [INTERESTS]: **SO, J, S, SP, AL (S, A, I)**

**MA/MS Intern**  

## Mental Health and Substance Abuse Social Workers [21-1023]

Assess and treat individuals with mental, emotional, or substance abuse problems, including abuse of alcohol, tobacco, and/or other drugs. Activities may include individual and group therapy, crisis intervention, case management, client advocacy, prevention, and education.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,744 / 181**  
AVERAGE ANNUAL/HOURLY WAGES: **\$67,849 / \$32.62**  
SKILLS [INTERESTS]: **RC, SP, S, AL (S, I, A)**

**MA/MS Intern**  

## Clinical, Counseling, and School Psychologists [19-3031]

Diagnose and implement individual or schoolwide interventions or strategies to address educational, behavioral, or developmental issues. Provide individual or group counseling services to assist individuals in achieving more effective personal, social, educational, and vocational development and adjustment.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,529 / 113**  
AVERAGE ANNUAL/HOURLY WAGES: **\$95,866 / \$46.09**  
SKILLS [INTERESTS]: **AI, CT, S, M (I, S)**

**PhD Intern**  

# Age Discrimination is Illegal

Workers over the age of 55 have plenty of skills, knowledge, and work experience that employers value; however, your job search and workplace experiences may be very different from those of younger peers. Unfortunately, research shows that bias against older workers is present in many workplaces. Nevertheless, workers of all ages can take steps to be more successful and overcome any stereotypes based on your age.

## Identify your skills

Your job prospects are improved when you understand your skills, learn how they map to employers' needs, and highlight them on your résumé and in job interviews.

## Grow your skills

Consider obtaining professional certifications related to your career and taking an online class to improve your technology skills. Many are available for free or at a low cost.

You can learn more about training opportunities by contacting or visiting an American Job Center. Often older workers face the stereotype that they lack technical skills. Introductory classes are often offered through public libraries, community education, and American Job Centers.

## Highlight your skills

Communicate your skills to employers. Make sure you highlight skills, training programs, and credentials such as degrees, certifications, or licenses on your résumé or social media profiles.

## Consider a career change

Many people make large and small career changes in their 50s, 60s, and even 70s.

## Handle concerns an employer may have about hiring an older worker

- Research current wages to confirm that your salary requirements are appropriate.
- Communicate enthusiasm and willingness to tackle the position offered.
- Note technology training and skills without overstating them.

For more information and to find more resources for 55+ workers (and workers of all ages) visit [www.careeronestop.org](http://www.careeronestop.org).

# INFORMATION TECHNOLOGY



## Computer User Support Specialists <sup>[15-1232]</sup>

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

EMPLOYED/ANNUAL TOTAL OPENINGS: **9,091 / 800**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$63,380 / \$30.48**  
 SKILLS [INTERESTS]: **AI, RC, CPS, S, CT (R, C, I, S)**

**CERT**

## Computer Network Support Specialists

Analyze, test, troubleshoot, and evaluate existing network systems, such as local area networks (LAN), wide area networks (WAN), cloud networks, servers, and other data communications networks. Perform network maintenance to ensure networks operate correctly with minimal interruption. <sup>[15-1231]</sup>

EMPLOYED/ANNUAL TOTAL OPENINGS: **767 / 63**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$81,286 / \$39.08**  
 SKILLS [INTERESTS]: **CT, AL, J, RC, Alearn (R, E, C)**

**AA/AS**

## Computer and Information Systems Managers <sup>[11-3021]</sup>

Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming.

EMPLOYED/ANNUAL TOTAL OPENINGS: **9,819 / 865**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$150,629 / \$72.42**  
 SKILLS [INTERESTS]: **S, Co, W, M, CPS, CT, AL, RC (E, C, I, R)**

**BA/BS**

## Computer Network Architects <sup>[15-1241]</sup>

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, including analysis of capacity needs for network infrastructures. May also design network and computer security measures. May research and recommend network and data communications hardware and software.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,499 / 109**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$116,527 / \$56.02**  
 SKILLS [INTERESTS]: **CT, AL, CPS, RC, J (C, I, E)**

**BA/BS**

## Computer Programmers <sup>[15-1251]</sup>

Create, modify, and test the code and scripts that allow computer applications to run. Work from specifications drawn up by software and web developers or other individuals. May develop and write computer programs to store, locate, and retrieve specific documents, data, and information.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,296 / 129**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$90,163 / \$43.35**  
 SKILLS [INTERESTS]: **P, AL, CPS, CT, QCA (I, C)**

**BA/BS**

## Computer Systems Analysts <sup>[15-1211]</sup>

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

EMPLOYED/ANNUAL TOTAL OPENINGS: **7,248 / 577**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$102,294 / \$49.18**  
 SKILLS [INTERESTS]: **AL, CT, RC, S, SA (C, I, R)**

**BA/BS**

## Database Administrators and Architects

Design strategies for enterprise databases, data warehouse systems, and multidimensional networks. Set standards for database operations, programming, query processes, and security. Administer, test, and implement computer databases, applying knowledge of database management systems. <sup>[15-1245]</sup>

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,017 / 174**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$109,712 / \$52.75**  
 SKILLS [INTERESTS]: **CT, RC, P, CPS, AL, Alearn, J (C, I)**

**BA/BS**

## Information Security Analysts <sup>[15-1212]</sup>

Plan, implement, upgrade, or monitor security measures for the protection of computer networks and information. Assess system vulnerabilities for security risks and propose and implement risk mitigation strategies. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses.

EMPLOYED/ANNUAL TOTAL OPENINGS: **879 / 89**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$105,325 / \$50.64**  
 SKILLS [INTERESTS]: **RC, CT, AL, CPS, S (C, I, R)**

**BA/BS**

## Network and Computer Systems Administrators <sup>[15-1244]</sup>

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

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,404 / 174**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$101,927 / \$49.00**  
 SKILLS [INTERESTS]: **CT, J, RC, SA, AL (I, R, C)**

**BA/BS**

## Software Developers and Software Quality Assurance Analysts and Testers

Research, design, and develop computer and network software or specialized utility programs. Analyze user needs and develop software solutions, applying principles and techniques of computer science, engineering, and mathematical analysis. Develop and execute software tests to identify software problems and their causes. Test system modifications to prepare for implementation. <sup>[15-1256]</sup>

EMPLOYED/ANNUAL TOTAL OPENINGS: **19,129 / 2,101**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$109,732 / \$52.75**  
 SKILLS [INTERESTS]: **RC, AL, CT, S, W (I, C, R)**

**BA/BS**

## Web Developers and Digital Interface Designers <sup>[15-1257]</sup>

Design digital user interfaces or websites. Develop and test layouts, interfaces, functionality, and navigation menus to ensure compatibility and usability across browsers or devices. Develop and implement websites, web applications, application databases, and interactive web interfaces.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,910 / 172**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$83,786 / \$40.28**  
 SKILLS [INTERESTS]: **P, CT, CPS, OA, RC (I, C, R, A)**

**BA/BS**

### SKILLS LEGEND:

AL - Active Listening, ALearn - Active Learning, Co - Coordination, CPS - Complex Problem Solving, CT - Critical Thinking, EM - Equipment Selection, I - Instruction, LS - Learning Strategies, J - Judgment and Decision Making, Ma - Mathematics, MPR - Management of Personnel Resources, M - Monitoring, N - Negotiation, OA - Operations Analysis, OC - Operation and Control, OM - Operation Monitoring, QCA - Quality Control Analysis, RC - Reading Comprehension, Rpr - Repairing, S - Speaking, Sci - Science, SO - Service Orientation, SP - Social Perceptiveness, SE - System Evaluation, T - Troubleshooting, TM - Time Management, W - Writing

# LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY



## Jobs after high school

### Emergency Medical Technicians and Paramedics <sup>[29-2040]</sup>

Administer basic or advanced emergency medical care and assess injuries and illnesses. May transport injured or sick persons to medical facilities. May administer medication intravenously, use equipment such as EKGs, or administer advanced life support.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,879 / 285**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$46,729 / \$22.47**  
 SKILLS[INTERESTS]: **CT, Co, J, SO, AL (R, S)**

**CERT**   

### Fire Inspectors and Investigators <sup>[33-2021]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **272 / 32**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$80,768 / \$38.84**  
 SKILLS[INTERESTS]: **AL, CT, S, W, RC (R, C, I)**

**CERT OJT**   

### Firefighters <sup>[33-2011]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,642 / 239**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$70,057 / \$33.68**  
 SKILLS[INTERESTS]: **CT, Co, J, SO, Allearn (R, E, S)**

**CERT OJT**   

### First-Line Supervisors of Fire Fighting and Prevention Workers <sup>[33-1021]</sup>

Directly supervise and coordinate activities of workers engaged in firefighting and fire prevention and control.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,012 / 80**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$97,953 / \$47.09**  
 SKILLS[INTERESTS]: **CT, M, MPR, Co, S, AL (E, R)**

**CERT OJT**  

### Animal Control Workers <sup>[33-9011]</sup>

Handle animals for the purpose of investigations of mistreatment, or control of abandoned, dangerous, or unattended animals.

EMPLOYED/ANNUAL TOTAL OPENINGS: **171 / 17**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$53,545 / \$25.74**  
 SKILLS[INTERESTS]: **CPS, SP, J, CT, S, AL (R, C, S)**

**HS OJT**   

### Correctional Officers and Jailers <sup>[33-3012]</sup>

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. Includes deputy sheriffs and police who spend the majority of their time guarding prisoners in correctional institutions.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,957 / 239**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$56,653 / \$27.23**  
 SKILLS[INTERESTS]: **Co, CT, M, AL, SP, S (R, E, C)**

**HS OJT**   

### Detectives and Criminal Investigators <sup>[33-3021]</sup>

Conduct investigations related to suspected violations of federal, state, or local laws to prevent or solve crimes.

EMPLOYED/ANNUAL TOTAL OPENINGS: **828 / 67**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$98,036 / \$47.13**  
 SKILLS[INTERESTS]: **AL, S, CT, CPS, RC (E, I, C)**

**HS OJT**   

### First-Line Supervisors of Police and Detectives <sup>[33-1012]</sup>

Directly supervise and coordinate activities of members of police force.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,729 / 133**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$107,328 / \$51.60**  
 SKILLS[INTERESTS]: **CT, M, MPR, Co, S, AL (E, S, C)**

**HS OJT**   

### Gaming Surveillance Officers and Gaming Investigators <sup>[33-9031]</sup>

Observe gambling operation for irregular activities such as cheating or theft by either employees or patrons. Investigate potential threats to gambling assets such as money, chips, and gambling equipment. Act as oversight and security agent for management and customers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **169 / 26**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$35,450 / \$17.04**  
 SKILLS[INTERESTS]: **CT, J, S, M (R, C, E)**

**HS OJT**   

### Legal Secretaries <sup>[43-6012]</sup>

Perform secretarial duties using legal terminology, procedures, and documents. Prepare legal papers and correspondence, such as summonses, complaints, motions, and subpoenas.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,525 / 117**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$57,996 / \$27.88**  
 SKILLS[INTERESTS]: **CT, S, AL, RC, W (C, E)**

**HS OJT**  

### Police and Sheriff's Patrol Officers <sup>[33-3051]</sup>

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

EMPLOYED/ANNUAL TOTAL OPENINGS: **5,665 / 505**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$78,303 / \$37.64**  
 SKILLS[INTERESTS]: **J, W, RC, SP, CPS, S, CT, AL (E, R, S)**

**HS OJT**   

### Private Detectives and Investigators <sup>[33-9021]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **507 / 49**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$60,413 / \$29.05**  
 SKILLS[INTERESTS]: **J, W, RC, SP, CPS, S, CT, AL (E, C)**

**HS OJT**  

## Careers after college

### Paralegals and Legal Assistants <sup>[23-2011]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **4,859 / 624**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$62,309 / \$29.96**  
 SKILLS[INTERESTS]: **CT, S, W, AL, RC (C, I, E)**

**AA/AS**   

### Forensic Science Technicians <sup>[19-4092]</sup>

Collect, identify, classify, and analyze physical evidence related to criminal investigations. Perform tests on weapons or substances, such as fiber, hair, and tissue to determine significance to investigation. May testify as expert witnesses on evidence or crime laboratory techniques. May serve as specialists in area of expertise, such as ballistics, fingerprinting, handwriting, or biochemistry.

EMPLOYED/ANNUAL TOTAL OPENINGS: **89 / 12**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$74,440 / \$35.79**  
 SKILLS[INTERESTS]: **CPS, RC, AL, W, S, CT (I, R, C)**

**BA/BS OJT**   

## Doctoral Degree

### Judicial Law Clerks <sup>[23-1012]</sup>

Assist judges in court or by conducting research or preparing legal documents.

EMPLOYED/ANNUAL TOTAL OPENINGS: **283 / 22**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$79,379 / \$38.16**  
 SKILLS[INTERESTS]: **Allearn, S, W, CT, AL, RC (C, E, I)**

**PhD**   

### Lawyers <sup>[23-1011]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **10,892 / 683**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$161,400 / \$77.59**  
 SKILLS[INTERESTS]: **J, CPS, W, CT, RC, S, AL (E, I, A)**

**PhD**   

# MANUFACTURING



## Jobs after high school

### Butchers and Meat Cutters [51-3021]

Cut, trim, or prepare consumer-sized portions of meat for use or sale in retail establishments.

EMPLOYED/ANNUAL TOTAL OPENINGS: **983 / 119**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$46,099 / \$22.16**  
 SKILLS[INTERESTS]: **SO, S, SP, Pers, CT, AL, M (R, C, E)**

**OJT**

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **5,018 / 525**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$80,089 / \$38.50**  
 SKILLS[INTERESTS]: **CT, M, MPR (E, C, R)**

**HS**

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **8,365 / 940**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$80,119 / \$38.52**  
 SKILLS[INTERESTS]: **J, Co, CT, RC, MPR, TM, S, AL (E, R, C)**

**HS**

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **752 / 71**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$77,561 / \$37.29**  
 SKILLS[INTERESTS]: **OM, J, CPS, CT, ALearn, QCA (R, C)**

**HS OJT**

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **8422 / 99**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$45,976 / \$22.10**  
 SKILLS[INTERESTS]: **T, ES, OC, M, QCA, OM (R, C)**

**HS OJT**

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **624 / 67**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$45,606 / \$21.93**  
 SKILLS[INTERESTS]: **J, RC, AL, CT, M, OC, OM (R, C)**

**HS OJT**

### Coating, Painting, and Spraying Machine Setters, Operators/ Tenders [51-9124]

Set up, operate, or tend spraying or rolling machines to coat or paint any of a wide variety of products, including glassware, cloth, ceramics, metal, plastic, paper, or wood. Includes painters of transportation vehicles such as painters in auto body repair facilities.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,263 / 149**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$46,346 / \$22.28**  
 SKILLS[INTERESTS]: **S, CT, RC, M, QCA, AL, OC, OM (R, C, I)**

**HS OJT**

### Computer Numerically Controlled Tool Operators [51-9161]

Operate computer-controlled tools, machines, or robots to machine or process parts, tools, or other work pieces made of metal, plastic, wood, stone, or other materials. May also set up and maintain equipment.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,251 / 251**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$48,667 / \$23.40**  
 SKILLS[INTERESTS]: **OM, M, CT, OC, QCA (R, C)**

**HS OJT**

### Cutting, Punching, and Press Machine Setters, Operators, and Tenders [51-4031]

Set up, operate, or tend machines to saw, cut, shear, slit, punch, crimp, notch, bend, or straighten metal or plastic material.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,048 / 188**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$42,247 / \$20.32**  
 SKILLS[INTERESTS]: **S, CT, RC, M, QCA, AL, OC, OM (R, C)**

**HS OJT**

### Dental Laboratory Technicians [51-9081]

Construct and repair full or partial dentures or dental appliances.

EMPLOYED/ANNUAL TOTAL OPENINGS: **220 / 33**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$50,054 / \$24.07**  
 SKILLS[INTERESTS]: **QCA, AL, RC, CT, TM (R, I, C)**

**HS OJT**

### Grinding, Lapping, Polishing & Buffing Machine Tool Setters, Operators/Tenders

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. [51-4033]

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,302 / 142**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$48,934 / \$23.53**  
 SKILLS[INTERESTS]: **M, QCA, OC, OM (R)**

**HS OJT**

### Industrial Machinery Mechanics [49-9041]

Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,564 / 311**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$68,772 / \$33.07**  
 SKILLS[INTERESTS]: **OC, QCA, T, OM, EM, Rpr (R, I, C)**

**HS OJT**

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **8,153 / 844**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$55,857 / \$26.85**  
 SKILLS[INTERESTS]: **S, CT, M, RC, AL, QCA (C, R, I)**

**HS OJT**

### 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, and persons who perform precision casting and modeling of molds, casting metal in molds, or setting precious and semiprecious stones for jewelry and related products.

EMPLOYED/ANNUAL TOTAL OPENINGS: **253 / 32**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$53,649 / \$25.79**  
 SKILLS[INTERESTS]: **CT, J (R, A, C)**

**HS OJT**

### Machinists [51-4041]

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

EMPLOYED/ANNUAL TOTAL OPENINGS: **8,809 / 1,084**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$54,090 / \$26.01**  
 SKILLS[INTERESTS]: **M, Co, AL, RC, CT, OC, OM (R, C, I)**

**HS OJT**

### Maintenance Workers, Machinery [49-9043]

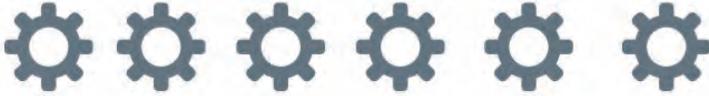
Lubricate machinery, change parts, or perform other routine machinery maintenance.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,106 / 125**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$51,264 / \$24.64**  
 SKILLS[INTERESTS]: **QCA, OC, T, Rpr, OM, EM (R, C, I)**

**HS OJT**

# MANUFACTURING CAREERS

The Youth Manufacturing Pipeline Initiative will give you foundational skills to be successful in an entry level career in manufacturing.



## THE JOB DEMAND

- Based on EWIB's nationally-recognized Manufacturing Pipeline Initiative (MPI), which has placed ~2,000 individuals in jobs.
- Curriculum recognized by the Eastern Advanced Manufacturing Alliance (EAMA) which consists of ~50 manufacturers in Eastern CT.

## THE TRAINING

- 150 hours of hands-on training taught during school.
- Gain foundational manufacturing job skills.
- Receive YMPI certificate for career pathway, earn college credits towards a certificate or degree, and pre-apprenticeship hours.



For more information about EWIB, MPI, or YMPI go to:  
**[www.ewib.org](http://www.ewib.org) or call (860) 859-4100**

## Manufacturing.....continued

### Medical Appliance Technicians [51-9082]

Construct, maintain, or repair medical supportive devices such as braces, orthotics and prosthetic devices, joints, arch supports, and other surgical and medical appliances.

EMPLOYED/ANNUAL TOTAL OPENINGS: **419 / 65**

AVERAGE ANNUAL/HOURLY WAGES: **\$43,264 / \$20.80**

SKILLS[INTERESTS]: **RC, S, T, QCA, CT, AL (R, I, S)**

**HS OJT**   

### Molding, Coremaking, and Casting Machine Setters, Operators/Tenders

Set up, operate, or tend metal or plastic molding, casting, or coremaking machines to mold or cast metal or thermoplastic parts or products. [51-4072]

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,048 / 97**

AVERAGE ANNUAL/HOURLY WAGES: **\$45,062 / \$21.66**

SKILLS[INTERESTS]: **AL, QCA, OM, OC (R, C, I)**

**HS OJT**   

### Ophthalmic Laboratory Technicians

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. [51-9083]

EMPLOYED/ANNUAL TOTAL OPENINGS: **285 / 47**

AVERAGE ANNUAL/HOURLY WAGES: **\$46,150 / \$22.19**

SKILLS[INTERESTS]: **CPS, OC, QCA, OM, M (R, C)**

**HS OJT**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,294 / 286**

AVERAGE ANNUAL/HOURLY WAGES: **\$38,282 / \$18.41**

SKILLS[INTERESTS]: **QCA, AL, Co, OM, M (R, C)**

**HS OJT**  

### Power Plant Operators [51-8013]

Control, operate, or maintain machinery to generate electric power. Includes auxiliary equipment operators.

EMPLOYED/ANNUAL TOTAL OPENINGS: **331 / 30**

AVERAGE ANNUAL/HOURLY WAGES: **\$80,591 / \$38.74**

SKILLS[INTERESTS]: **OC, QCA, CT, S, AL, OM (R, C)**

**HS OJT**  

### Rolling Machine Setters, Operators/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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **349 / 31**

AVERAGE ANNUAL/HOURLY WAGES: **\$59,093 / \$28.41**

SKILLS[INTERESTS]: **QCA, M, OC, OM (R, C, E)**

**HS OJT**   

### Production, Planning, and Expediting Clerks [43-5061]

Coordinate and expedite the flow of work and materials within or between departments of an establishment according to production schedule.

Duties include reviewing and distributing production, work, and shipment schedules; conferring with department supervisors to determine progress of work and completion dates; and compiling reports on progress of work, inventory levels, costs, and production problems.

EMPLOYED/ANNUAL TOTAL OPENINGS: **4,070 / 488**

AVERAGE ANNUAL/HOURLY WAGES: **\$58,999 / \$28.36**

SKILLS[INTERESTS]: **W, CT, M, TM, S, AL, RC (C, E)**

**HS OJT**  

### Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators/Tenders [51-9012]

Set up, operate, or tend continuous flow or vat-type equipment; filter presses; shaker screens; centrifuges; condenser tubes; precipitating, fermenting, or evaporating tanks; scrubbing towers; or batch stills. These machines extract, sort, or separate liquids, gases, or solids from other materials to recover a refined product. Includes dairy processing equipment operators.

EMPLOYED/ANNUAL TOTAL OPENINGS: **275 / 30**

AVERAGE ANNUAL/HOURLY WAGES: **\$47,886 / \$23.02**

SKILLS[INTERESTS]: **CPS, M, OC, OM (R, C, I)**

**HS OJT**  

### Welders, Cutters, Solderers, and Brazers

Use hand-welding, flame-cutting, hand-soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products. [51-4121]

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,396 / 314**

AVERAGE ANNUAL/HOURLY WAGES: **\$53,998 / \$25.96**

SKILLS[INTERESTS]: **QCA, M (R, C, I)**

**HS OJT**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,024 / 121**

AVERAGE ANNUAL/HOURLY WAGES: **\$51,366 / \$24.69**

SKILLS[INTERESTS]: **RC, S, EM, CT, Rpr, AL (R, C, I)**

**CERT OJT**  

### Electrical and Electronics Repairers, Commercial and Industrial Equipment

Repair, test, adjust, or install electronic equipment, such as industrial controls, transmitters, and antennas. [49-2094]

EMPLOYED/ANNUAL TOTAL OPENINGS: **346 / 31**

AVERAGE ANNUAL/HOURLY WAGES: **\$63,677 / \$30.62**

SKILLS[INTERESTS]: **CT, EM, OM, T, QCA, Rpr (R, I, C)**

**CERT OJT**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,447 / 155**

AVERAGE ANNUAL/HOURLY WAGES: **\$69,611 / \$33.46**

SKILLS[INTERESTS]: **ES, J, AL, QCA, CT, OM, OC (R, I, C)**

**CERT OJT**  

## Associate Degree

### Aerospace Engineering and Operations Technicians [17-3021]

Operate, install, adjust, and maintain integrated computer/communications systems, consoles, simulators, and other data acquisition, test, and measurement instruments and equipment, which are used to launch, track, position, and evaluate air and space vehicles.

EMPLOYED/ANNUAL TOTAL OPENINGS: **284 / 38**

AVERAGE ANNUAL/HOURLY WAGES: **\$76,665 / \$36.85**

SKILLS[INTERESTS]: **OM, S, AL, CT (R, I, C)**

**AA/AS**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **308 / 41**

AVERAGE ANNUAL/HOURLY WAGES: **\$59,095 / \$28.42**

SKILLS[INTERESTS]: **AL, CT, J, W, CPS (R, C, I)**

**AA/AS**  

### Electrical and Electronics Engineering Technicians [17-3023]

Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, adjust, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,315 / 135**

AVERAGE ANNUAL/HOURLY WAGES: **\$70,706 / \$34.00**

SKILLS[INTERESTS]: **AL, CT, J, W, CPS (R, C, I)**

**AA/AS**  

### 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 worker operations in a variety of industries for purposes such as establishing standard production rates or improving efficiency.

EMPLOYED/ANNUAL TOTAL OPENINGS: **892 / 96**

AVERAGE ANNUAL/HOURLY WAGES: **\$62,452 / \$30.03**

SKILLS[INTERESTS]: **SA, AL, RC, CPS, M, CT (I, C, R)**

**AA/AS**  

### Mechanical Drafters [17-3013]

Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and other engineering information.

EMPLOYED/ANNUAL TOTAL OPENINGS: **582 / 58**

AVERAGE ANNUAL/HOURLY WAGES: **\$69,645 / \$33.49**

SKILLS[INTERESTS]: **S, CT, AL, Ma, CPS, ALearn (R, C, I)**

**AA/AS**  

# THE OFFICE OF APPRENTICESHIP TRAINING

[www.ctapprenticeship.com](http://www.ctapprenticeship.com)

Registered Apprenticeship is a paid training program of earning while learning that combines on-the-job training with classroom instruction. An employer sponsors and registers their new hires as an apprentice to learn a high-skilled trade. Registered Apprenticeships generally range from one to four years and at completion, the Connecticut Department of Labor's Office of Apprenticeship Training provides a portable training credential.

**At completion, most apprentices have earned the skills and confidence needed to be successful in a career and earn top wages.**

How do I become an apprentice?

1. In order to become a Registered Apprentice, an employer must be willing to hire and sponsor you.
  2. The employer/sponsor will contact the Office of Apprenticeship at the Connecticut Dept. of Labor.
  3. A list of all apprenticeship employers/sponsors is available at [www.ctapprenticeship.com](http://www.ctapprenticeship.com)
- If your employer is not a Registered Apprenticeship sponsor but expresses an interest in hiring and training you as an apprentice, they can contact the Office of Apprenticeship Training at 860 263 6085.

In recent years, Registered Apprenticeship programs have grown outside of the traditional industries. There are apprenticeable trades in:

- Barbering
- Building and Construction
- Healthcare
- Manufacturing
- Utilities
- And More!



# MARKETING



## Jobs after high school

### Retail Salespersons [41-2031]

Sell merchandise, such as furniture, motor vehicles, appliances, or apparel to consumers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **37,155 / 5,695**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$36,182 / \$17.39**  
 SKILLS[INTERESTS]: **RC, SP, N, SO, S, AL, Pers (E, C, S)**



### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **6,622 / 548**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$88,943 / \$42.77**  
 SKILLS[INTERESTS]: **TM, SP, CT, RC, M, MPR, J, S, AL (E, C, S)**



### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **16,157 / 1,773**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$58,552 / \$28.15**  
 SKILLS[INTERESTS]: **MPR, SP, S, Co, CT, M, SO, AL (E, C, S)**



### 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. Includes managers of homeowner and condominium associations, rented or leased housing units, buildings, or land (including rights-of-way).

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,920 / 248**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$84,154 / \$40.45**  
 SKILLS[INTERESTS]: **N, RC, AL, Co, S (E, C, S)**



### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **554 / 57**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$62,010 / \$29.81**  
 SKILLS[INTERESTS]: **RC, CT, AL, S (E, C)**



### Advertising Sales Agents [41-3011]

Sell or solicit advertising space, time, or media in publications, signage, TV, radio, or Internet establishments or public spaces.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,192 / 142**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$78,080 / \$37.53**  
 SKILLS[INTERESTS]: **N, SO, S, AL, Pers, SP (E, C, A)**



### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,641 / 274**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$82,994 / \$39.90**  
 SKILLS[INTERESTS]: **Co, SP, AL, S, Pers, N (E, C)**



### Sales Representatives, Wholesale and Manufacturing [41-4012]

Sell goods for wholesalers or manufacturers to businesses or groups of individuals. Work requires substantial knowledge of items sold.

EMPLOYED/ANNUAL TOTAL OPENINGS: **12,807 / 1,401**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$86,703 / \$41.69**  
 SKILLS[INTERESTS]: **CT, N, SP, Pers, S, AL (C, E, R)**



# Bachelors Degree

## Advertising and Promotions Managers [11-2011]

Plan, direct, or coordinate advertising policies and programs or produce collateral materials, such as posters, contests, coupons, or giveaways, to create extra interest in the purchase of a product or service for a department, an entire organization, or on an account basis.

EMPLOYED/ANNUAL TOTAL OPENINGS: **204 / 22**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$137,077 / \$65.90**  
 SKILLS[INTERESTS]: **W, RC, CT, J, TM, SP, S, AL (E, A, C)**



## Market Research Analysts and Marketing Specialists [13-1161]

Research conditions in local, regional, national, or online markets. Gather information to determine potential sales of a product or service, or plan a marketing or advertising campaign. May gather information on competitors, prices, sales, and methods of marketing and distribution. May employ search marketing tactics, analyze web metrics, and develop recommendations to increase search engine ranking and visibility to target markets.

EMPLOYED/ANNUAL TOTAL OPENINGS: **7,961 / 1,052**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$75,891 / \$36.48**  
 SKILLS[INTERESTS]: **CT, J, W, S, CPS, AL, RC (I, E, C)**



## 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 with the goal of maximizing the firm's profits or share of the market while ensuring the firm's customers collateral are satisfied. Oversee product development or monitor trends that indicate the need for new products and services.

EMPLOYED/ANNUAL TOTAL OPENINGS: **6,147 / 617**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$158,244 / \$76.07**  
 SKILLS[INTERESTS]: **M, J, SP, Pers, S, AL, CT (E, C, A)**



## Public Relations and Fundraising Managers [11-2030]

Plan, direct, or coordinate activities designed to create or maintain a favorable public image or raise issue awareness for their organization or client and to solicit and maintain funds for special projects or nonprofit organizations.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,125 / 113**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$128,329 / \$61.70**  
 SKILLS[INTERESTS]: **AL, Alearn, RC, CT, SP (E, C)**



**SKILLS LEGEND:** AL - Active Listening, ALearn - Active Learning, Co - Coordination, CPS - Complex Problem Solving, CT - Critical Thinking, EM - Equipment Selection, I - Instructing, LS - Learning Strategies, J - Judgment and Decision Making, Ma - Mathematics, MPR - Management of Personnel Resources, M - Monitoring, N - Negotiation, OA - Operations Analysis, OC - Operation and Control, OM - Operation Monitoring, Pers - Persuasion, QCA - Quality Control Analysis, RC - Reading Comprehension, Rpr - Repairing, S - Speaking, Sci - Science, SO - Service Orientation, SP - Social Perceptiveness, SE - System Evaluation, T - Troubleshooting, TM - Time Management, W - Writing

# EMPLOYMENT OF MINORS



## Public Relations Specialists [27-3031]

Promote or create an intended public image for individuals, groups, or organizations. May write or select material for release to various communications media. May specialize in using social media.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,847 / 201**

AVERAGE ANNUAL/HOURLY WAGES: **\$74,461 / \$35.80**

SKILLS[INTERESTS]: **W, RC, AL, CT, S (E, A, S)**

**BA/BS**   

## Sales Managers [11-2022]

Plan, direct, or coordinate the actual distribution or movement of a product or service to the customer. Coordinate sales distribution by establishing sales territories, quotas, and goals and establish training programs for sales representatives. Analyze sales statistics gathered by staff to determine sales potential and inventory requirements and monitor the preferences of customers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **7,162 / 706**

AVERAGE ANNUAL/HOURLY WAGES: **\$152,449 / \$73.29**

SKILLS[INTERESTS]: **SO, CT, M, Co, Pers, AL, SP, S (E, C)**

**BA/BS**  

## Sales Engineers [41-9031]

Sell business goods or services, the selling of which requires a technical background equivalent to a baccalaureate degree in engineering.

EMPLOYED/ANNUAL TOTAL OPENINGS: **906 / 106**

AVERAGE ANNUAL/HOURLY WAGES: **\$98,338 / \$47.28**

SKILLS[INTERESTS]: **AL, SP, CT, S, RC, Pers (E, R, I)**

**BA/BS**   

## Sales Representatives, Wholesale and Mfg, Tech and Scientific Products [41-4011]

Sell goods for wholesalers or manufacturers where technical or scientific knowledge is required in such areas as biology, engineering, chemistry, and electronics, normally obtained from at least 2 years of postsecondary education.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,944 / 348**

AVERAGE ANNUAL/HOURLY WAGES: **\$105,544 / \$50.74**

SKILLS[INTERESTS]: **SP, AL, Pers, S (E, C)**

**BA/BS**  

## INTERESTS LEGEND



**R** - Realistic occupations involve work activities that include practical hands-on problems and solutions.



**I** - Investigative occupations involve working with ideas, and require an extensive amount of thinking and searching for facts.



**A** - Artistic occupations involve working with forms, designs and patterns without a clear set of rules; requires self-expression.



**S** - Social occupations involve working and communicating with people; helping, teaching, or providing services to others.



**E** - Enterprising occupations involve starting up and carrying out projects, often leading people to make (business) decisions.



**C** - Conventional occupations involve following set procedures and routines, working with details and data more than with ideas.

There are many laws and regulations regarding work for those under the age of 18. The allowed hours of work and the minimum rate of pay may vary based on whether school is in session, the industry, and other factors. Rules for 14 and 15 year olds and allowed industries and occupations are different than for 16 and 17 year olds.

For 14 and 15 year olds, the times and hours of this employment generally are limited to periods of school vacation, during which school is NOT in session for five consecutive days or more, and with conditions.

Some occupations are prohibited for all minors under the age of 18, including the use of electrical tools, circuits, or equipment (except double insulated hand tools), excavation operations, and roofing operations. Automotive maintenance and repair is generally prohibited although some specific exceptions are permitted.

Permitted employment includes newspaper delivery, babysitting, etc.; household chores for private homeowners (yard work, etc.) and at licensed summer camps. A 15-year-old may be employed or permitted to work in any mercantile establishment as a bagger, cashier, or stock clerk during the summer months or non-school weeks. During the school year, 15-year-olds can work on Saturdays only in retail food stores.

As a general guideline, no minor under 18 years of age may be employed in any job that the Connecticut Department of Labor determines as hazardous. There are a few exceptions for minors who are students enrolled in approved programs, or minors enrolled in bona fide apprenticeship programs.

Details are available at [www.ctdol.state.ct.us/wgwkstnd/minors/wgchklst.htm](http://www.ctdol.state.ct.us/wgwkstnd/minors/wgchklst.htm) including an employers' checklist for employment of Minors.

Other resources include:  
Connecticut Department of Labor, OSHA - 860-263-6900

Wage and Workplace Standards Division - 860-263-6791

State Department of Education, Career & Technical Education Unit - 860-713-6766

Connecticut Department of Public Health,  
Occupational Health Program - 860-509-7744

Injury Prevention Program - 860-509-7791

# SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM)



## Biomedical Engineers [17-2031]

Apply knowledge of engineering, biology, chemistry, computer science, and biomechanical principles to the design, development, and evaluation of biological, agricultural, and health systems and products, such as artificial organs, prostheses, instrumentation, medical information systems, and health management and care delivery systems.

EMPLOYED/ANNUAL TOTAL OPENINGS: **235 / 17**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$107,488 / \$51.68**  
 SKILLS[INTERESTS]: **AL, OA, J, CPS, RC, Sci, CT (I, R)**

**BA/BS**  

## Chemical Engineers [17-2041]

Design chemical plant equipment and devise processes for manufacturing chemicals and products, such as gasoline, synthetic rubber, plastics, detergents, cement, paper, and pulp, by applying principles and technology of chemistry, physics, and engineering.

EMPLOYED/ANNUAL TOTAL OPENINGS: **433 / 32**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$88,612 / \$42.60**  
 SKILLS[INTERESTS]: **Ma, J, SA, CPS, CT, Sci (I, R)**

**BA/BS**  

## 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,032 / 117**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$94,520 / \$45.44**  
 SKILLS[INTERESTS]: **CPS, AL, Ma, RC, CT, Sci (I, R, C)**

**BA/BS**   

## 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **846 / 67**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$120,129 / \$57.76**  
 SKILLS[INTERESTS]: **W, ALearn, AL, S, CT, RC (I, R, C)**

**BA/BS**   

## 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,360 / 202**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$105,437 / \$50.69**  
 SKILLS[INTERESTS]: **W, CPS, AL, CT, RC (I, R, C)**

**BA/BS**   

## Marine Engineers & Naval Architects [17-2121]

Design, develop, and evaluate the operation of marine vessels, ship machinery, and related equipment, such as power supply and propulsion systems.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,331 / 131**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$93,370 / \$44.89**  
 SKILLS[INTERESTS]: **CT, RC, AL, S, J (I, R, A)**

**BA/BS**   

## Jobs after high school

### Computer Numerically Controlled Tool Programmers [51-9162]

Develop programs to control machining or processing of materials by automatic machine tools, equipment, or systems. May also set up, operate, or maintain equipment.

EMPLOYED/ANNUAL TOTAL OPENINGS: **577 / 94**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$75,938 / \$36.51**  
 SKILLS[INTERESTS]: **OM, M, CT, OC, QCA (C, I, R)**

**CERT OJT**   

### INTERESTS LEGEND



**R** - Realistic occupations involve work activities that include practical hands-on problems and solutions.



**I** - Investigative occupations involve working with ideas, and require an extensive amount of thinking and searching for facts.



**A** - Artistic occupations involve working with forms, designs and patterns without a clear set of rules; requires self-expression.



**S** - Social occupations involve working and communicating with people; helping, teaching, or providing services to others.



**E** - Enterprising occupations involve starting up and carrying out projects, often leading people to make (business) decisions.



**C** - Conventional occupations involve following set procedures and routines, working with details and data more than with ideas.

## Associate Degree

### Geological and Hydrologic Technicians [19-4045]

Assist scientists or engineers in using electronic, sonic, or nuclear-measuring instruments in laboratory, exploration, and production activities to obtain data indicating resources. Chart pressure, temperature, and other characteristics of wells or bore holes. Measure and report on flow rates and groundwater levels, maintain field equipment, collect water samples and process samples for shipment to testing laboratories. May collect data on behalf of hydrologists, engineers, developers, government agencies, or agriculture.

EMPLOYED/ANNUAL TOTAL OPENINGS: **53 / 6**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$44,148 / \$21.22**  
 SKILLS[INTERESTS]: **CT, RC, AL, S, W (R, I, C)**

**AA/AS OJT**   

## Bachelors Degree

### Aerospace Engineers [17-2011]

Perform engineering duties 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. May recommend improvements in testing equipment and techniques.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,791 / 141**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$110,528 / \$53.14**  
 SKILLS[INTERESTS]: **S, AL, CPS, OA, RC, CT (I, R)**

**BA/BS**  

### 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,868 / 327**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$150,487 / \$72.35**  
 SKILLS[INTERESTS]: **CPS, S, J, Co, TM, AL, CT, RC (E, I, R, C)**

**BA/BS**   

### SKILLS LEGEND:

AL - Active Listening, ALearn - Active Learning, Co - Coordination, CPS - Complex Problem Solving, CT - Critical Thinking, EM - Equipment Selection, I - Instructing, LS - Learning Strategies, J - Judgment and Decision Making, Ma - Mathematics, MPR - Management of Personnel Resources, M - Monitoring, N - Negotiation, OA - Operations Analysis, OC - Operation and Control, OM - Operation Monitoring, QCA - Quality Control Analysis, RC - Reading Comprehension, Rpr - Repairing, S - Speaking, Sci - Science, SO - Service Orientation, SP - Social Perceptiveness, SE - System Evaluation, T - Troubleshooting, TM - Time Management, W - Writing

## Electronics Engineers, Except Computer <sup>[17-2072]</sup>

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 for use in fields such as telecommunications, aerospace guidance and propulsion control, acoustics, or instruments and controls.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,189 / 216**  
AVERAGE ANNUAL/HOURLY WAGES: **\$105,947 / \$50.94**  
SKILLS[INTERESTS]: **CPS, SA, CT, RC (I, R)**

**BA/BS**  

## Industrial Engineers <sup>[17-2112]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **6,085 / 556**  
AVERAGE ANNUAL/HOURLY WAGES: **\$95,224 / \$45.78**  
SKILLS[INTERESTS]: **S, CPS, CT, W, AL, RC (I, C, E, R)**

**BA/BS**    

## Materials Engineers <sup>[17-2131]</sup>

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. Includes those engineers working with composite materials or specializing in one type of material, such as graphite, metal and metal alloys, ceramics and glass, plastics and polymers, and naturally occurring materials. Includes metallurgists and metallurgical engineers, ceramic engineers, and welding engineers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **401 / 38**  
AVERAGE ANNUAL/HOURLY WAGES: **\$98,060 / \$47.15**  
SKILLS[INTERESTS]: **CPS, Sci, S, W, AL, CT, RC (I, R, E)**

**BA/BS**   

## Mechanical Engineers <sup>[17-2141]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **5,324 / 420**  
AVERAGE ANNUAL/HOURLY WAGES: **\$101,866 / \$48.97**  
SKILLS[INTERESTS]: **Sci, Ma, RC, AL, J, CT, CPS (I, R, C)**

**BA/BS**   

## Microbiologists <sup>[19-1022]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **393 / 48**  
AVERAGE ANNUAL/HOURLY WAGES: **\$82,439 / \$39.64**  
SKILLS[INTERESTS]: **S, ALearn, AL, RC, W, CT, Sci (I, R)**

**BA/BS**  

## Nuclear Engineers <sup>[17-2161]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **703 / 47**  
AVERAGE ANNUAL/HOURLY WAGES: **\$118,925 / \$57.18**  
SKILLS[INTERESTS]: **W, Sci, SA, RC, OA, CT, S, AL (I, R, C)**

**BA/BS**   

## Masters Degree

### Computer and Information Research Scientists <sup>[15-1221]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **56 / 5**  
AVERAGE ANNUAL/HOURLY WAGES: **\$111,712 / \$53.71**  
SKILLS[INTERESTS]: **CPS, CT, J, AL, RC (I, R, C, A)**

**MA/MS**    

### Economists <sup>[19-3011]</sup>

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 and statistical data using sampling techniques and econometric methods.

EMPLOYED/ANNUAL TOTAL OPENINGS: **117 / 9**  
AVERAGE ANNUAL/HOURLY WAGES: **\$94,703 / \$45.53**  
SKILLS[INTERESTS]: **RC, J, CP S, AL, W, S, CT, Ma (I, C, E)**

**MA/MS**   

### Statisticians <sup>[15-2041]</sup>

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 biostatistics, agricultural statistics, business statistics, or economic statistics. Includes mathematical and survey statisticians.

EMPLOYED/ANNUAL TOTAL OPENINGS: **452 / 52**  
AVERAGE ANNUAL/HOURLY WAGES: **\$100,172 / \$48.16**  
SKILLS[INTERESTS]: **ALearn, AL, CT, RC, Ma (C, I)**

**MA/MS**  

### Survey Researchers <sup>[19-3022]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **431 / 48**  
AVERAGE ANNUAL/HOURLY WAGES: **\$58,157 / \$27.97**  
SKILLS[INTERESTS]: **CPS, CT, AL, W, S, RC (I, C, E)**

**MA/MS**   

## Urban and Regional Planners <sup>[19-3051]</sup>

Develop comprehensive plans and programs for use of land and physical facilities of jurisdictions, such as towns, cities, counties, and metropolitan areas.

EMPLOYED/ANNUAL TOTAL OPENINGS: **318 / 32**  
AVERAGE ANNUAL/HOURLY WAGES: **\$87,694 / \$42.16**  
SKILLS[INTERESTS]: **SA, J, CT, RC, S, AL (I, E, A)**

**MA/MS**   

## Doctoral Degree

### Biochemists and Biophysicists <sup>[19-1021]</sup>

Study the chemical composition or physical principles of living cells and organisms, their electrical and mechanical energy, and related phenomena. May conduct research to further understanding of the complex chemical combinations and reactions involved in metabolism, reproduction, growth, and heredity. May determine the effects of foods, drugs, serums, hormones, and other substances on tissues and vital processes of living organisms.

EMPLOYED/ANNUAL TOTAL OPENINGS: **237 / 26**  
AVERAGE ANNUAL/HOURLY WAGES: **\$102,270 / \$49.17**  
SKILLS[INTERESTS]: **S, W, AL, ALearn, RC, CT, Sci (I, A, R)**

**PhD**   

### Physicists <sup>[19-2012]</sup>

Conduct research into physical phenomena, develop theories on the basis of observation and experiments, and devise methods to apply physical laws and theories.

EMPLOYED/ANNUAL TOTAL OPENINGS: **147 / 11**  
AVERAGE ANNUAL/HOURLY WAGES: **\$177,500 / \$85.34**  
SKILLS[INTERESTS]: **AL, RC, S, CPS, CT, Ma, Sci (I, R)**

**PhD**  

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# TRANSPORTATION, DISTRIBUTION & LOGISTICS



## Jobs after high school

### Industrial Truck and Tractor Operators <sup>[53-7051]</sup>

Operate industrial trucks or tractors equipped to move materials around a warehouse, storage yard, factory, construction site, or similar location.

EMPLOYED/ANNUAL TOTAL OPENINGS: **3,170 / 506**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$40,451 / \$19.44**  
 SKILLS [INTERESTS]: **TM, EM, Co, OM, OC (R, C)**

**OJT**

### Packers and Packagers, Hand <sup>[53-7064]</sup>

Pack or package by hand a wide variety of products and materials.

EMPLOYED/ANNUAL TOTAL OPENINGS: **4,806 / 737**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$31,270 / \$15.03**  
 SKILLS [INTERESTS]: **TM, EM, Co, OM, OC (R, C)**

**OJT**

### Aircraft Mechanics and Service Technicians <sup>[49-3011]</sup>

Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,690 / 170**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$75,507 / \$36.30**  
 SKILLS [INTERESTS]: **RC, CT, CPS, QCA, OM, T, Rpr, EM (R, C, I)**

**CERT**

### Captains, Mates, and Pilots of Water Vessels <sup>[53-5021]</sup>

Command or supervise operations of ships and water vessels, such as tugboats and ferryboats. Required to hold license issued by U.S. Coast Guard.

EMPLOYED/ANNUAL TOTAL OPENINGS: **263 / 35**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$64,063 / \$30.80**  
 SKILLS [INTERESTS]: **OC, M, S, AL, CT (R, E, C)**

**CERT**

### Automotive Service Technicians and Mechanics <sup>[49-3023]</sup>

Diagnose, adjust, repair, or overhaul automotive vehicles.

EMPLOYED/ANNUAL TOTAL OPENINGS: **8,310 / 890**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$51,387 / \$24.70**  
 SKILLS [INTERESTS]: **Rpr, T, CT, OM, EM (R, I, C)**

**CERT OJT**

### Heavy and Tractor-Trailer Truck Drivers <sup>[53-3032]</sup>

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

EMPLOYED/ANNUAL TOTAL OPENINGS: **13,630 / 1,760**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$53,513 / \$25.73**  
 SKILLS [INTERESTS]: **OM, OC (R, C)**

**CERT OJT**

### FirstLine Supervisors of Transportation and Material Moving Workers <sup>[53-1047]</sup>

Directly supervise and coordinate the activities of helpers, laborers, or material movers, hand.

EMPLOYED/ANNUAL TOTAL OPENINGS: **5,908 / 785**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$62,591 / \$30.10**  
 SKILLS [INTERESTS]: **AL, Co, TM, CT (E, C, R)**

**HS**

### Transportation, Storage, and Distribution Managers <sup>[11-3071]</sup>

Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with organizational policies and applicable government laws or regulations. Includes logistics managers.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,171 / 120**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$111,247 / \$53.49**  
 SKILLS [INTERESTS]: **CT, S, M, RC, AL (E, C, R)**

**HS**

### Automotive Glass Installers and Repairers <sup>[49-3022]</sup>

Replace or repair broken windshields and window glass in motor vehicles.

EMPLOYED/ANNUAL TOTAL OPENINGS: **119 / 15**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$39,629 / \$19.06**  
 SKILLS [INTERESTS]: **I, TM, S, M, SO, QCA (R, C, E)**

**HS OJT**

### Airfield Operations Specialists <sup>[53-2022]</sup>

Ensure the safe takeoff and landing of commercial and military aircraft. Duties include coordination between air-traffic control and maintenance personnel, dispatching, using airfield landing and navigational aids, implementing airfield safety procedures, monitoring and maintaining flight records, and applying knowledge of weather information.

EMPLOYED/ANNUAL TOTAL OPENINGS: **54 / 7**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$58,948 / \$28.34**  
 SKILLS [INTERESTS]: **Co, M, CT, RC, S, AL (C, E, I, R)**

**HS OJT**

### Ambulance Drivers and Attendants, Except Emergency Medical Technicians <sup>[53-3011]</sup>

Ensure the safe takeoff and landing of commercial and military aircraft. Duties include coordination between air-traffic control and maintenance personnel, dispatching, using airfield landing and navigational aids, implementing airfield safety procedures, monitoring and maintaining flight records, and applying knowledge of weather information.

EMPLOYED/ANNUAL TOTAL OPENINGS: **81 / 10**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$31,377 / \$15.08**  
 SKILLS [INTERESTS]: **S, CT, SO, AL (R, S)**

**HS OJT**

### Automotive Body & Related Repairers <sup>[49-3021]</sup>

Repair and refinish automotive vehicle bodies and straighten vehicle frames.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,567 / 171**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$53,837 / \$25.88**  
 SKILLS [INTERESTS]: **AL, S, M, CPS, OC, Rpr (R)**

**HS OJT**

### Billing and Posting Clerks <sup>[43-3021]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **5,035 / 541**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$49,265 / \$23.69**  
 SKILLS [INTERESTS]: **RC, Ma, CT, M (C, E)**

**HS OJT**

### Bus and Truck Mechanics and Diesel Engine Specialists <sup>[49-3031]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,402 / 267**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$62,447 / \$30.02**  
 SKILLS [INTERESTS]: **QCA, CT, EM, OC, OM, Rpr, T (R, C)**

**HS OJT**

### Bus Drivers, Transit and Intercity <sup>[53-3052]</sup>

Drive bus or motor coach, including regular route operations, charters, and private carriage. May assist passengers with baggage. May collect fares or tickets.

EMPLOYED/ANNUAL TOTAL OPENINGS: **2,984 / 477**  
 AVERAGE ANNUAL/HOURLY WAGES: **\$54,007 / \$25.96**  
 SKILLS [INTERESTS]: **OC, OM, AL, CT, SO (R, S)**

**HS OJT**

**SKILLS LEGEND:** AL - Active Listening, Co - Coordination, CPS - Complex Solving, CT - Critical Thinking, EM - Equipment Selection, I - Instructing, LS - Learning Strategies, J - Judgment and Decision Making, M - Monitoring, MPR - Management of Personnel Resources, OC - Operation and Control, OM - Operation Monitoring, QCA - Quality Control Analysis, RC - Reading Comprehension, Rpr - Repairing, S - Speaking, SO - Service Orientation, SP - Social Perceptiveness, T - Troubleshooting, TM - Time Management, W - Writing

### Cargo and Freight Agents <sup>[43-5011]</sup>

Expedite and route movement of incoming and outgoing cargo and freight shipments in airline, train, and trucking terminals and shipping docks. Take orders from customers and arrange pickup of freight and cargo for delivery to loading platform. Prepare and examine bills of lading to determine shipping charges and tariffs.

EMPLOYED/ANNUAL TOTAL OPENINGS: **583 / 73**  
AVERAGE ANNUAL/HOURLY WAGES: **\$46,910 / \$22.55**  
SKILLS [INTERESTS]: **M, SO, CT, AL, S (C, E, R)**

**HS OJT**   

### Commercial Pilots <sup>[53-2012]</sup>

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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **254 / 35**  
AVERAGE ANNUAL/HOURLY WAGES: **\$148,836**  
SKILLS [INTERESTS]: **J, AL, CT, OM, OC (R, E, I)**

**HS OJT**   

### Dispatchers, Except Police, Fire and Ambulance <sup>[43-5032]</sup>

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. Duties may include using radio, telephone, or computer to transmit assignments and compiling statistics and reports on work progress.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,833 / 215**  
AVERAGE ANNUAL/HOURLY WAGES: **\$51,875 / \$24.94**  
SKILLS [INTERESTS]: **TM, M, RC, Co, S, AL (C, E, R)**

**HS OJT**   

### Flight Attendants <sup>[53-2031]</sup>

Monitor safety of the aircraft cabin. Provide services to airline passengers, explain safety information, serve food and beverages, and respond to emergency incidents.

EMPLOYED/ANNUAL TOTAL OPENINGS: **37 / 6**  
AVERAGE ANNUAL/HOURLY WAGES: **\$61,640**  
SKILLS [INTERESTS]: **CT, Co, M, AL, SP, SO, S (E, S, C)**

**HS OJT**   

### Light Truck or Delivery Services Drivers

Drive a light vehicle, such as a truck or van, with a capacity of less than 26,001 pounds Gross Vehicle Weight (GVW), primarily to pick up merchandise or packages from a distribution center and deliver. <sup>[53-3033]</sup>

EMPLOYED/ANNUAL TOTAL OPENINGS: **14,328 / 2,063**  
AVERAGE ANNUAL/HOURLY WAGES: **\$41,810 / \$20.10**  
SKILLS [INTERESTS]: **SO, TM, CT, M, SP, OC, S, AL (R, C)**

**HS OJT**  

### Tire Repairers and Changers <sup>[49-3093]</sup>

Repair and replace tires.

EMPLOYED/ANNUAL TOTAL OPENINGS: **777 / 98**  
AVERAGE ANNUAL/HOURLY WAGES: **\$33,069 / \$15.90**  
SKILLS [INTERESTS]: **S, J, T, OM, AL, TM, OC (R, C)**

**HS OJT**  

### Mobile Heavy Equipment Mechanics, Except Engines <sup>[49-3042]</sup>

Diagnose, adjust, repair, or overhaul mobile mechanical, hydraulic, and pneumatic equipment, such as cranes, bulldozers, graders, and conveyors, used in construction, logging, and mining.

EMPLOYED/ANNUAL TOTAL OPENINGS: **592 / 77**  
AVERAGE ANNUAL/HOURLY WAGES: **\$64,292 / \$30.92**  
SKILLS [INTERESTS]: **QCA, OC, OM, Rpr, EM, T (R, C)**

**HS OJT**  

## Careers after college

### Avionics Technicians <sup>[49-2091]</sup>

Install, inspect, test, adjust, or repair avionics equipment, such as radar, radio, navigation, and missile control systems in aircraft or space vehicles.

EMPLOYED/ANNUAL TOTAL OPENINGS: **121 / 11**  
AVERAGE ANNUAL/HOURLY WAGES: **\$84,804 / \$40.78**  
SKILLS [INTERESTS]: **OM, QCA, AL, S, CT, T, EM, Rpr (R, C, I)**

**AA/AS**   

### Air Traffic Controllers <sup>[53-2021]</sup>

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. Authorize, regulate, and control commercial airline flights according to government or company regulations to expedite and ensure flight safety.

EMPLOYED/ANNUAL TOTAL OPENINGS: **71 / 7**  
AVERAGE ANNUAL/HOURLY WAGES: **\$97,114 / \$46.69**  
SKILLS [INTERESTS]: **CT, CPS, M, S, J, AL (E, C, R)**

**AA/AS OJT**  

### Logisticians <sup>[13-1081]</sup>

Analyze and coordinate the ongoing 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.

EMPLOYED/ANNUAL TOTAL OPENINGS: **1,100 / 157**  
AVERAGE ANNUAL/HOURLY WAGES: **\$77,630 / \$37.32**  
SKILLS [INTERESTS]: **S, TM, CPS, RC, M, AL, CT (E, C)**

**BA/BS**   

### Airline Pilots, Copilots, and Flight Engineers <sup>[53-2011]</sup>

Pilot and navigate the flight of fixed-wing aircraft, usually on scheduled air carrier routes, for the transport of passengers and cargo. Requires Federal Air Transport certificate and rating for specific aircraft type used. Includes regional, national, and international airline pilots and flight instructors of airline pilots.

EMPLOYED/ANNUAL TOTAL OPENINGS: **133 / 17**  
AVERAGE ANNUAL/HOURLY WAGES: **\$138,893**  
SKILLS [INTERESTS]: **OM, OC (R, C, I)**

**BA/BS OJT**   

# Make an Impact

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## Employers

- Are verified by the Connecticut Department of Labor.
- Can search a résumé database at no cost.
- Can contact job seekers about jobs.
- Can post jobs at no cost.

## Job Seekers

- Can search for jobs.
- Can post résumés so they can be found by employers.
- Can use Virtual Recruiters to be notified about new jobs.



## Résumé Design Basics

**The purpose of a résumé is to answer the employer's questions, so you get a job interview.**

- Use 11+ point font for greater readability.
- Proofread to ensure no errors or typos.
- On average, résumés are 1-2 pages.
- Use a phone number with a professional voice mail.
- Provide professional email address.

Résumés can be written in fragment sentences which help deliver the same message in fewer words (fragment sentences exclude words like a, an, or the).

Your résumé does not need the phrase "References furnished upon request." However, you should have a minimum of three references who can speak to your skills, abilities, and professionalism.

Have your résumé critiqued by a Certified Professional Résumé Writer at no charge at your Local American Job Center.

# Colleges and Universities

School Name	School Address - Street, City, Zip	Phone Number
Albertus Magnus College	700 Prospect St, New Haven, CT, 06511	203-773-8550
Brown University	1 Prospect St, Providence, Rhode Island, 02912	201-333-1111
Central CT State University	1615 Stanley St, New Britain, CT, 06053	860-832-3200
Charter Oak State College	East St & Paul J Manafort Dr, New Britain, CT, 06053	860-832-3800
CT College	270 Mohegan Ave, New London, CT, 06320	860-447-1911
Eastern CT State University	83 Windham St, Willimantic, CT, 06226	860-465-5000
Fairfield University	1073 N Benson Rd, Fairfield, CT, 06824	203-254-4000
Goodwin University	1 Riverside Dr, East Hartford, CT, 06118	860-528-4111
Graduate Institute, The	171 Amity Rd, Bethany, CT, 06524	203-874-4252
Hartford International University for Religion and Peace	77 Sherman St, Hartford, CT, 06105	860-509-9500
Holy Apostles College and Seminary	33 Prospect Hill Rd, Cromwell, CT, 06416	860-632-3010
International Institute for Astronautical Sciences	1073 N Benson Rd, Fairfield, CT, 06824	201-333-1111
Legion of Christ College of Humanities	475 Oak Ave, Cheshire, CT, 06410	203-271-0805
Mitchell College	437 Pequot Ave, New London, CT, 06320	860-701-5000
Paier College	505 University Ave, Bridgeport, CT, 06604	203-287-3031
Post University	800 Country Club Rd, Waterbury, CT, 06708	203-596-4500
Quinnipiac University	275 Mount Carmel Ave, Hamden, CT, 06518	203-582-8200
Relay Graduate School of Education	370 James St #2, New Haven, CT, 06513	201-333-1111
Rensselaer at Hartford	275 Windsor St, Hartford, CT, 06120	860-548-2400
Sacred Heart University	5151 Park Ave, Fairfield, CT, 06825	203-371-7999
Southern CT State University	501 Crescent St, New Haven, CT, 06515	203-392-5200
St. Thomas Seminary	467 Bloomfield Ave, Bloomfield, CT, 06002	860-242-5573
Stevens Institute of Technology	Castle Point Ter, Hoboken, New Jersey, 07030	201-216-5000
Trinity College	300 Summit St, Hartford, CT, 06106	860-297-2000
University of Bridgeport	126 Park Ave, Bridgeport, CT, 06604	800-392-3582
University of CT	359 Mansfield Rd, Storrs Mansfield, CT, 06269	860-486-2000
University of Hartford	200 Bloomfield Ave, West Hartford, CT, 06117	860-768-4100
University of New Haven	300 Boston Post Rd, West Haven, CT, 06516	203-932-7000
University of Saint Joseph	1678 Asylum Ave, West Hartford, CT, 06117	860-232-4571
University of Vermont	24 Hospital Ave, Danbury, CT, 06810	201-333-1111
Upper Iowa University	605 Washington St, Fayette, Iowa, 52142	800-553-4150
Wesleyan University	237 High St, Middletown, CT, 06457	860-685-2000

School Name	School Address - Street, City, Zip	Phone Number
Western CT State University	181 White St, Danbury, CT, 06810	203-837-8200
Williams College/Mystic Seaport, Inc.	56 Spring Street, Williamstown, MA, 01267	201-333-1111
Worcester Polytechnic Institute	100 Institute Road, Worcester, MA, 01609	508-831-5000
Worcester Polytechnic Institute	100 Institute Road, Worcester, MA, 01609	508-831-5000
Yale University	206 Elm St, New Haven, CT, 06511	203-432-4771

## Community Colleges

School Name	School Address - Street, City, Zip	Phone Number
Asnuntuck Community College	170 Elm St, Enfield, CT, 06082	860-253-3000
Capital Community College	950 Main St, Hartford, CT, 06103	860-906-5000
Gateway Community College	20 Church St, New Haven, CT, 06510	203-285-2090
Housatonic Community College	900 Lafayette Blvd, Bridgeport, CT, 06604	203-332-5000
Manchester Community College	Great Path, Manchester, CT, 06040	860-512-3000
Middlesex Community College	100 Training Hill Rd, Middletown, CT, 06457	860-343-5800
Naugatuck Valley Community College	750 Chase Pkwy, Waterbury, CT, 06708	203-575-8040
Northwestern CT Community College	Park Pl, Winsted, CT, 06098	860-738-6300
Norwalk Community College	188 Richards Ave, Norwalk, CT, 06854	203-857-7000
Quinebaug Valley Community College	742 Upper Maple St, Danielson, CT, 06239	860-412-7200
Three Rivers Community College	574 New London Tpke, Norwich, CT, 06360	860-886-0177
Tunxis Community College	271 Scott Swamp Rd, Farmington, CT, 06032	860-255-3500

## Private Occupational Schools

School Name	School Address - Street, City, Zip	Phone Number
"B" Beautiful Hair Institute	60 Access Rd, Stratford, CT, 06615	203-375-2849
160 Driving Academy	35 Great Neck Rd, Waterford, CT, 06385	860-444-8099
160 Driving Academy	221 South St, New Britain, CT, 06051	860-444-8099
Academy Di Capelli	1010 Main St, East Hartford, CT, 06108	860-461-0697
Academy Di Capelli	950 Yale Ave, Wallingford, CT, 06492	203-294-9496
Academy of Medical Training, Inc.	521 Wolcott St, Waterbury, CT, 06705	203-528-0433
Affordable CDL Training School	532A New London Rd, Colchester, CT, 06415	860-537-8235
Allstate Commercial Driver Training School	249 Pearl St, Seymour, CT, 06483	203-922-8252
American Institute of Healthcare & Technology, LLC d/b/a AIHT Education	480 Lordship Blvd, Stratford, CT, 06615	203-870-8400
American Professional Educational Services, Inc.	1 American Way, Norwich, CT, 06360	860-886-2737
BBB Institute of Vocational Training LLC dba The Lucille and Thaddeus Dunn Academy	880 Asylum Ave, Hartford, CT, 06105	860-752-2266

# Private Occupational Schools

School Name	School Address - Street, City, Zip	Phone Number
Believe Health Institute	945 E Main St, Bridgeport, CT, 06608	203-332-0763
Belle Academy of Cosmetology, LLC	27A S Commons Rd, Waterbury, CT, 06704	203-528-0201
Beyond an Education, LLC	362 Main St, Ansonia, CT, 06401	203-516-5056
Branford Academy of Hair & Cosmetology	1450 Barnum Ave, Bridgeport, CT, 06610	203-315-2985
Branford Academy of Hair & Cosmetology	251 W Main St, Ste 2, Branford, CT, 06405	203-315-2985
Bravado Academy	190 State St, New London, CT, 06320	860-574-9369
C.G. Nursing Services, LLC	3 Forest Park Dr, Farmington, CT, 06032	860-676-0351
CEHJ Academy of Cosmetology and Barbering	555 Franklin Ave, Hartford, CT, 06114	860-233-5640
Ch'i Lash, the School	225 Main St, Middletown, CT, 06457	860-346-5274
CNA Bootcamp of CT, LLC	1010 Main St, Willimantic, CT 06226, USA	860-373-3611
Compass Care Institute of Caregiving, LLC	1799 Summer St, Stamford, CT, 06905	855-535-5400
Construction Education Center, Inc.	35 Robert Jackson Way, Plainville, CT, 06062	860-529-5886
Cook's Nurse Aide Training Program	81 Hillside Ave, Plymouth, CT, 06782	860-283-8208
Cortiva Institute	45 Shunpike Rd, Cromwell, CT, 06416	860-667-1886
CT Center for Arts and Technology	4 Science Park, New Haven, CT, 06511	203-823-9823
CT Health Career Institute, LLC	457 N Main St, Danbury, CT, 06811	203-942-2505
CT School of Bartending, Inc.	76 Franklin St, Norwich, CT, 06360	860-886-1955
CT School of Broadcasting	80 Ferry Blvd, Stratford, CT, 06615	203-378-5155
CT School of Broadcasting - Farmington	6 Executive Dr, Ste 109, Farmington, CT, 06032	860-677-7577
Danae's Training Center	75 Middle St, Bridgeport, CT, 06604	203-540-5364
Dan's POSA School	195 Church St, New Haven, CT, 06510	
Dan's POSA School 2	125 Roast Meat Hill Rd, Killingworth, CT 06419	202-232-2222
District Arts and Education, Inc. d/b/a Holberton School New Haven	470 James St, New Haven, CT, 06513	203-401-8768
Dolce The Academy	91 Schraffts Dr Ste 7, Waterbury, CT, 06705	203-528-3550
Dorsey Training Direct, LLC d/b/a Training Direct, LLC	3885 Main St, Bridgeport, CT, 06606	203-372-8842
Excel Academy, LLC	100 Broadway, North Haven, CT, 06473	203-691-7989
Famous School of Barbering/Cosmetology	178 Jefferson Ave, New London, CT, 06320	860-501-3690
Fox Institute of Business, Inc. d/b/a American Institute	99 South St, West Hartford, CT, 06110	860-947-2299
Fresh Start Technical School	140 Woodland St, Hartford, CT, 06105	203-257-0817
Fresh Start Technical School	391 Boston Post Rd, Orange, CT, 06477	203-257-0817
Generations Barbering & Cosmetology Academy	3 Boulder Ave, Old Greenwich, CT, 06870	203-637-8266

School Name	School Address - Street, City, Zip	Phone Number
Gorgeous By Glam Beauty Academy	938 E Main St, Bridgeport, CT, 06608	203-296-9289
H & R Block Income Tax School	768 Queen St, Southington, CT, 06489	860-276-8031
Hair Magic Academy	24 Norwich Ave, Colchester, CT, 06415	860-537-8020
Hair Tech Beauty Academy	6 Woodward Ave, Norwalk, CT, 06854	203-299-0615
Harborview School of Phlebotomy, LLC	141 Captain Thomas Blvd, West Haven, CT, 06516	475-238-6678
Independent CT Petroleum Assoc. Ed. Found., Inc., d/b/a ENTECH Advanced Energy Training	10 Alcap Rdg, Cromwell, CT, 06416	860-613-2041
Industrial Management & Training Institute	233 Mill St, Waterbury, CT, 06706	203-753-7910
Institute of Aesthetic Arts and Sciences	800 Main St S Ste 110, Southbury, CT, 06488	203-262-6070
International Beauty Academy	76 N Main St, Norwalk, CT, 06854	203-807-2228
International Institute of Cosmetology	632 Silas Deane Hwy, Wethersfield, CT, 06109	860-571-0330
International Institute of Cosmetology	65 Whiting St, Plainville, CT, 06062	860-571-0330
John Casablancas Modeling & Career Center	30 Cold Spring Rd, Rocky Hill, CT, 06067	860-563-5959
Labco School of Dental Assisting, Plus	140 Monroe Tpke, Trumbull, CT, 06611	203-253-3520
Lincoln Technical Institute	97 Newberry Rd, East Windsor, CT, 06088	860-627-4300
Lincoln Technical Institute	200 John Downey Dr, New Britain, CT, 06051	860-225-8641
Lincoln Technical Institute (Lincoln Culinary Institute)	8 Progress Dr, Shelton, CT, 06484	203-929-0592
Major League Barber Academy	684 Foxon Rd, New Haven, CT, 06513	203-824-9038
Manufacturing Alliance Service Corporation, Inc.	173 Interstate Ln, Waterbury, CT, 06705	203-574-8285
MC Barber Academy	1427 Berlin Tpke, Berlin, CT, 06037	860-259-6124
Medical Coding Academy, LLC	184 Weybosset St, New Haven, CT, 06513	203-848-0496
Millennium Academy of Hair LLC	251 North Ave, Bridgeport, CT, 06606	203-549-9911
New England Teaching Institute	323 Universal Dr N, North Haven, CT, 06473	203-234-1986
New England Tractor Trailer Training School	510 Barnum Ave, Ste 4, Bridgeport, CT, 06608	203-368-9069
New England Tractor Trailer Training School of CT	32 Field Rd, Somers, CT, 06071	860-749-0711
New Era Barber School	128 Church St, Naugatuck, CT, 06770	203-645-2814
New School	450 Columbus Blvd, Hartford, CT 06103, USA	
North Haven Academy, LLC dba Paul Mitchell The School North Haven	97 Washington Ave, North Haven, CT, 06473	866-942-5627
Northeast Medical Institute, LLC	135 Bedford St, Stamford, CT, 06901	203-391-6766

^ These schools receive federal Title IV funds allowing them to award federal financial aid to enrolled students.

\* Selected programs approved for federal G.I. Bill veterans benefits. Inquire about approved programs at a Branch Campus.

# Private Occupational Schools

School Name	School Address - Street, City, Zip	Phone Number
Oxford Academy of Hair Design	153 North St, Seymour, CT, 06483	203-888-0097
Porter & Chester Institute	156 Boston Ave, Bridgeport, CT, 06610	203-375-4463
Porter & Chester Institute	470 Bank St, New London, CT, 06320	860-574-9782
Porter & Chester Institute	30 Waterchase Dr, Rocky Hill, CT, 06067	860-529-2519
Porter & Chester Institute	881 Wolcott St, Waterbury, CT, 06705	860-274-9294
Porter & Chester Institute	33 Palomba Dr, Enfield, CT, 06082	860-741-2561
Porter & Chester Institute	156 Boston Ave, Bridgeport, CT, 06610	203-375-4463
Porter & Chester Institute	30 Waterchase Dr, Rocky Hill, CT, 06067	860-529-2519
Porter & Chester Institute	470 Bank St, New London, CT, 06320	860-574-9782
Porter & Chester Institute	881 Wolcott St, Waterbury, CT, 06705	860-274-9294
Porter & Chester Institute	33 Palomba Dr, Enfield, CT, 06082	860-741-2561
Porter & Chester Institute	156 Boston Ave, Bridgeport, CT, 06610	203-375-4463
Porter and Chester Institute of Hamden	1245 Dixwell Ave, Hamden, CT, 06514	203-315-1060
Professional Dental Assistant School	606 West Ave, Norwalk, CT, 06850	203-939-9200
Quikdraw Phlebotomy School, LLC	100 Beard Sawmill Rd, Shelton, CT 06484	475-300-3558
Renasci Academy of Hair Inc.	3 Isaacs St, Norwalk, CT, 06850	203-838-0753
River Valley Esthetics Institute	6 Winter Ave, Ste B, Deep River, CT, 06417	860-761-3300
Shear Brilliance Institute of Hair Design	495 Campbell Ave, West Haven, CT, 06516	203-934-7983
Simone's Hair Salon and Institute	130 Center St, Southington, CT, 06489	860-621-5739
SoNo Academy	108 Washington St, Norwalk, CT, 06854	203-642-3600
Stormwater One, LLC	175 Capitol Blvd, Rocky Hill, CT, 06067	877-257-9777
Sunny Willow School of Dental Assisting	4131 Main St, Bridgeport, CT, 06606	203-372-0580
The C.N.A. Preparatory School	303 Merrow Rd, Tolland, CT, 06084	203-859-5505
The CT School of Integrative Manual Therapy, Inc.	12 N Main St, West Hartford, CT, 06107	860-243-5220
The Hoffman Heart and Vascular Institute of CT School of Cardiovascular Technology	114 Woodland St, Hartford, CT, 06105	860-714-5698
TIGI Hairdressing Academy Guilford LLC	860 Boston Post Rd, Guilford, CT, 06437	203-458-3334
TIGI Hairdressing Academy Newtown	99 S Main St, Newtown, CT, 06470	203-426-1138
United States Coast Guard Academy	31 Mohegan Ave, New London, CT, 06320	860-444-8444
Valley Medical Institute	4637 Main St, Apt 2, Bridgeport, CT, 06606	203-378-2210
Vanity Studio School of Cosmetology	225 Atlantic St, Stamford, CT, 06901	203-614-8679
Yale-New Haven Hospital School of Diagnostic Ultrasound	20 York St, New Haven, CT, 06510	203-688-8227

# Technical High Schools

School Name	School Address - Street, City, Zip	Phone Number
A.I. Prince	401 Flatbush Ave, Hartford, CT, 06105	860 951-7112
Bristol Technical Education Center	431 Minor Street, Bristol, CT 06010	860 584-8433
Bullard-Havens Technical High School	500 Palisade Avenue, Bridgeport, CT 06610	203 579-6333
CT Aero Tech School Brainard Airport	500 Lindbergh Drive, Hartford, CT 06105	860 566-1234
E.C. Goodwin Technical High School	735 Slater Road, New Britain, CT 06053	860 827-7736
Eli Whitney Technical High School	100 Fairview Avenue, Hamden, CT 06514	203 397-4031
Emmett O'Brien Technical High School	141 Prindle Avenue, Ansonia, CT 06401	203 732-1800
Ella T. Grasso Technical High School	189 Fort Hill Road, Groton, CT 06340	860 448-0220
H.C. Wilcox Technical High School	298 Oregon Road, Meriden, CT 06451	203 238-6260
Harvard H. Ellis Technical High School	613 Upper Maple Street, Danielson, CT 06451	860 412-7500
Henry Abbott Technical High School	21 Hayestown Avenue, Danbury, CT 06811	203 797-4460
Howell Cheney Technical High School	791 West Middle Turnpike, Manchester, CT 06040	860 649-5396
J.M. Wright	120 Bridge Street, Stamford, CT 06905	203 324-7363
Norwich Technical High School	7 Mahan Drive, Norwich, CT 06360	860 889-8453
Oliver Wolcott Technical High School	75 Oliver Street, Torrington, CT 06790	860 496-5300
Platt Technical High School	600 Orange Avenue, Milford, CT 06461	203 783-5300
Stratford School for Aviation Maintenance Technicians (adult learners only)	200 Great Meadow Rd, Sikorsky Airport, Stratford, CT 06615	203 381-9250
Vinal Technical High School	60 Daniels Street, Middletown, CT 06457	860 344-7100
W.F. Kaynor Technical High School	43 Tompkins Street, Waterbury, CT 06708	203 596-4302
Windham Technical High School	210 Birch Street, Willimantic, CT 06226	860 456-3879

# Hospital Based Schools

School Name	School Address - Street, City, Zip	Phone Number
Griffin Hospital School of Allied Health Careers	300 Seymour Ave, Ste 206, Derby, CT, 06418	203-732-1276
The Hoffman Heart and Vascular Institute of CT School of Cardiovascular Technology	114 Woodland St, Hartford, CT, 06105	860-714-5698
Yale-New Haven Hospital School of Diagnostic Ultrasound	20 York St, New Haven, CT, 06510	203-688-8227

## American Job Center Services



American Job Centers offer no-cost services to jobseekers, in convenient locations throughout the state. Services include skill-building workshops, résumé writing assistance, career counseling and employer recruitment events.

### Career Services

- Career counseling and job search support
- Interviewing tips and techniques
- Employer recruitment events, regional job fairs
- CT.Jobs, an online job bank for posting résumés, searching for jobs, visiting career sites
- Résumé writing/critiques with Certified Professional Résumé Writers

### Workshops and seminars

- Using LinkedIn for Today's Job Search
- Networking Groups
- Job Search Strategies
- Over 40 and Looking for Work
- Interviewing Techniques
- Résumé and Cover Letter Preparation
- Career Exploration: Discovering Your Abilities, Interests and Work Values

### Information and Referrals

- Labor Market Information
  - Apprenticeship Programs
  - Unemployment Insurance
  - Veterans' Services
  - Tax Credits
- Referrals to:**
- Job opportunities
  - Training programs
  - Education information
  - Supportive services

### Resources

- Assistive technology for persons with disabilities
- Résumé bond paper/matching envelopes
- Fax and copy machines
- Computers with Internet access for:
  - Résumé and cover letter development
  - Job search and career exploration

**Request Employment Service today!**



### FULL SERVICE AMERICAN JOB CENTER LOCATIONS

Comprehensive offices provide a wide range of employment services. They can also provide access to unemployment assistance.

#### Bridgeport

2 Lafayette Square PH: (203) 333-5129  
(GPS: 350 Fairfield Avenue)

#### Hamden

37 Marne Street PH: (203) 859-3200

#### Hartford

60 Weston Street PH: (860) 695-6226

#### Montville

601 Norwich New London Tpk.  
Suite 1 (Uncasville) PH: (860) 848-5200

#### New Haven

560 Ella T. Grasso Boulevard PH: (203) 624-1493

#### Waterbury

249 Thomaston Avenue PH: (203) 437-3380

### AFFILIATE AMERICAN JOB CENTERS LOCATIONS

Affiliate American Job Centers are smaller offices that offer self-service career centers and a select number of employment services. This may include: a career center, hiring events, workshops, and employment services for veterans.

#### Ansonia

4 Fourth Street PH: (203) 397-6647

#### Bristol

430 North Main Street PH: (860) 899-3620

#### Danbury

185 Main Street PH: (203) 730-0451

#### Danielson

562 Westcott Road PH: (860) 774-4077

#### Derby

101 Elizabeth Street PH: (203) 734-3443

#### East Hartford

417 Main Street PH: (860) 929-3880

#### Enfield

170 Elm Street PH: (860) 899-3514

#### Manchester

893 Main Street PH: (860) 643-2222

#### Meriden

87 West Main Street, (2nd Floor) PH: (203) 238-3688

#### Middletown

398 Main Street PH: (860) 200-6815

#### New Britain

260 Lafayette Street PH: (860) 899-3500

#### Stamford

141 Franklin Street, 2nd Floor PH: (203) 353-1702

#### Torrington

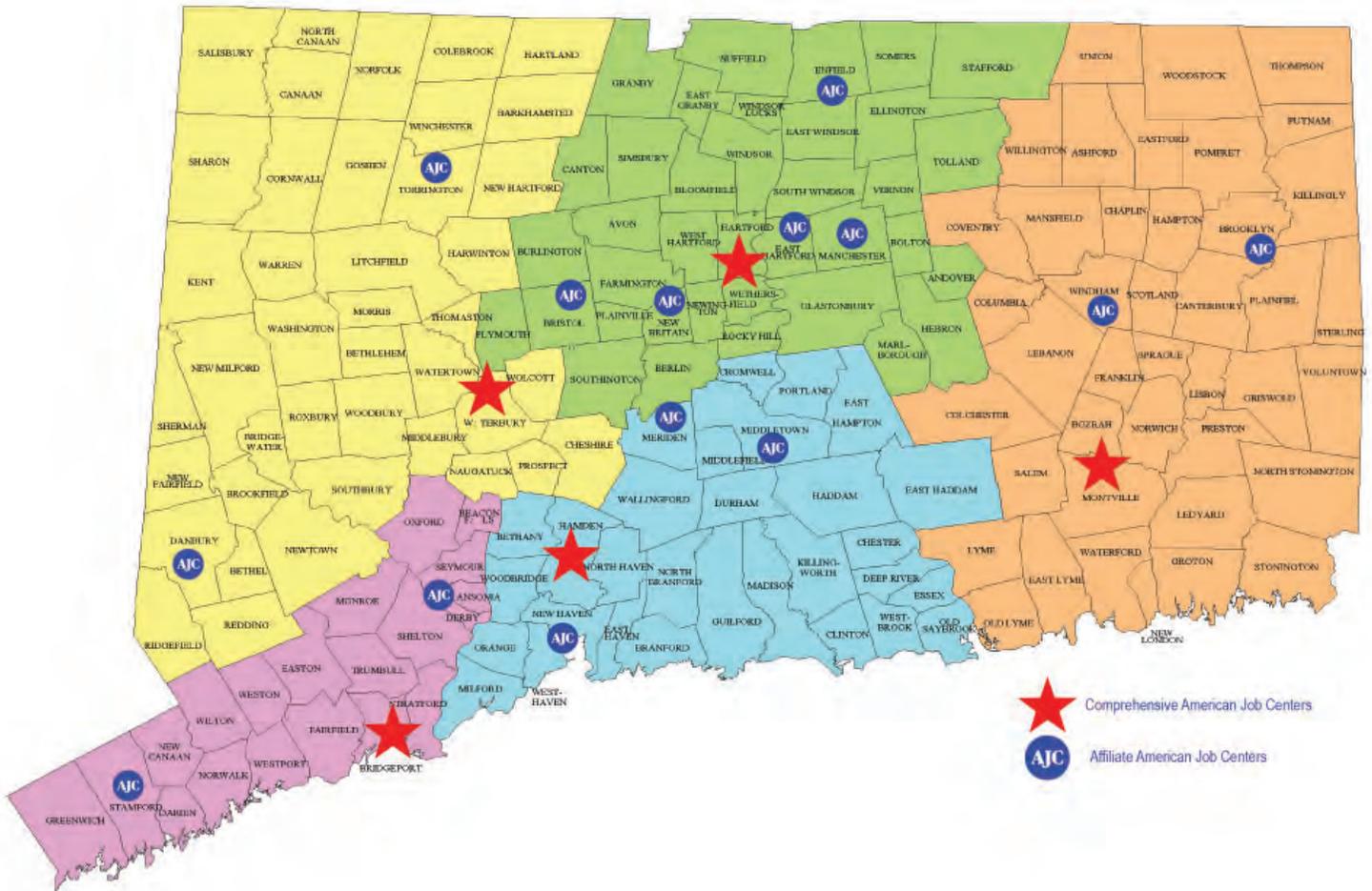
62 Commercial Blvd, Unit 1 PH: (860) 496-3500

#### Willimantic

1320 Main Street, Tyler Square PH: (860) 450-7603

The Connecticut Department of Labor and the Connecticut Workforce Development Councils are Affirmative Action/Equal Opportunity employers and equal opportunity program and service providers. Auxiliary aids and services are available upon request.

# Workforce Development Board Areas and AJCs



**Eastern Connecticut Workforce Investment (EWIB)**  
 108 New Park Ave., Franklin, CT 06254 | PH: 860-859-4100



**Capital Workforce Partners (CWP)**  
 One Union Place, Hartford, CT 06103 | PH: 860-522-1111



**Northwest Regional Workforce Investment Board (NRWIB)**  
 249 Thomaston Ave, Waterbury, CT 06702 | PH: 203-574-6971



**The WorkPlace**  
 1000 Lafayette Blvd., Suite 501 Bridgeport, CT 06604 | PH: 203-610-8500



**Workforce Alliance**  
 560 Ella T. Grasso Blvd., New Haven, CT 06519 | PH: 203-867-4030

# Career and Educational Web Resources

## Department of Education [CT.gov/sde](https://www.ct.gov/sde)

Through leadership, curriculum, research, planning, evaluation, assessment, data analyses and other assistance, the Department helps to ensure equal opportunity and excellence in education for all Connecticut students. The Department is responsible for distributing funds to the state's 166 school districts.

### ADULT EDUCATION PROGRAMS

There are over fifty adult education programs serving all the towns in CT with free courses for people 17 years of age or older and not currently attending high school, who are interested in either attaining a high school diploma, acquiring basic academic skills, learning English language skills, gaining United States citizenship or just increasing their career skills. Instructional programs are provided predominantly through local school districts and also through various community and faith-based organizations. To find the adult education programs in your area, use the following websites:

Connecticut State Department of Education - programs listed by town - <https://portal.ct.gov/-/media/SDE/Adult-Ed/providerdirectory.pdf>

National Literacy Directory - programs by zip code entry - <https://www.nld.org>

## The Connecticut Alliance [ctreap.net](https://www.ctreap.net)

Connecticut REAP is a free service designed to help educators find new and exciting teaching jobs, administrative jobs and other related service positions in Connecticut. Through REAP, you can find employment from 950 school districts and private schools nationwide.

## CTHIRES - [cthires.com](https://www.cthires.com)

Provides assistance to job seekers in their efforts of finding meaningful and high paying jobs, while also acting as an employment hiring resource for companies in CT looking for qualified employees. You can search for jobs, get résumé help, college loan info, links to military careers, and job search tools designed for veterans.

## Employment and Training Administration - [www.doleta.gov](https://www.doleta.gov)

Career explorations, job hunting resources, and links to providers and services. ETA is part of the U.S. Department of Labor. Its mission is to provide training, employment, labor market information, and income maintenance services. ETA administers federal government job training and worker dislocation programs, federal grants to states for public employment service programs, and unemployment insurance benefits. These services are primarily provided through state and local workforce development systems.

## MilitaryHire [militaryhire.com](https://www.militaryhire.com)

Jobs for veterans across the U.S. and around the world. The site has been developed and is maintained by a team of both military veterans and corporate hiring authorities - a network where former military personnel can seek careers and utilize their professional skills.

## mySkills myFuture [myskillsmyfuture.org](https://www.myskillsmyfuture.org)

Sponsored by the U.S. Department of Labor, mySkills myFuture helps you find new career options based on the skills and experience you gained in a past job. Find salaries, training programs, job listings, and skills gaps for any occupation.

## Office of Higher Education [ctohe.org](https://www.ctohe.org)

Information about colleges, post-secondary career schools, financial aid and ARC, the Alternate Route to Certification a part-time program which allows candidates with a bachelor's degree to get certified to teach within a year.

## Older Workforce - [aarp.org](https://www.aarp.org)

Use AARP home page to find articles, programs, and online community chat groups geared for folks age 50 and older.

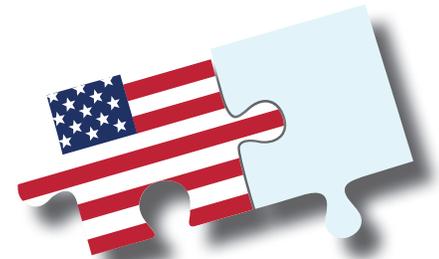
## O\*NET OnLine [onetonline.org](https://www.onetonline.org)

Detailed descriptions of occupations, including a search that finds jobs requiring the skills you already have for use by job seekers, workforce development and HR professionals, students, researchers, and more!

### FEDERAL GOVERNMENT JOBS

## USA Jobs - [usajobs.gov](https://www.usajobs.gov)

USAJOBS connects job seekers with federal employment opportunities across the United States and around the world. As the Federal Government's official employment site, USAJOBS provides resources to help the right people find their right jobs.



### SHAPE AMERICA'S FUTURE

Find your fit in the federal government

# State of Connecticut Government Resources

## STATE GOVERNMENT JOBS

**Department of Administrative Services (DAS)**  
[www.ct.gov/das](http://www.ct.gov/das)

Be a State of Connecticut Employee.

Being a state employee gives you the opportunity to make a difference in someone else's life while advancing your career. Some of the benefits include opportunities for promotion, accrued vacation/sick time, personal leave, health/dental/life insurance, tuition reimbursement, disability insurance, retirement plan, deferred compensation, and more.



**Make an impact.  
Work for Connecticut.**

[ct.gov/ctstatejobs](http://ct.gov/ctstatejobs) | 

## Connecticut Technical Education And Career System (CTECS)

The mission of the Connecticut Technical High School System (CTHSS) is to provide a unique and rigorous high school learning environment that:

- Ensures both student academic success and trade/technology mastery, and instills a zest for lifelong learning
- Prepares students for post-secondary education, including apprenticeships, and immediate productive employment
- Responds to employers' and industries' current and emerging and changing global workforce needs and expectations through business/school partnerships

For more information call

860 807-2200

[www.cttech.org](http://www.cttech.org)

## Workers' Compensation Commission

The Workers' Compensation Act provides for wage replacement, medical treatment, and related benefits for employees injured on the job.

**JOB**s that **WORK** for Employees Vocational Rehabilitation Services

Workers' Rehabilitation Services (WRS) is dedicated to assisting the eligible injured worker in returning to gainful employment by providing quality Vocational Rehabilitation services. Prompt and well-planned vocational rehabilitation may help prevent future injuries. Rehabilitation programs are administered by the Department of Aging and Disability Services.

Contact the Commission at (860) 493-1500 or [portal.ct.gov/wcc](http://portal.ct.gov/wcc). The Worker's Rehabilitation Program at 860-493-1546 [portal.ct.gov/AgingandDisability/Content-Pages/Programs/Workers-Rehabilitation-Program](http://portal.ct.gov/AgingandDisability/Content-Pages/Programs/Workers-Rehabilitation-Program)

## Governor's Workforce Council

The Governor's Workforce Council has been tasked with setting strategy and policy for the state's Pre-K through retirement workforce pipeline.

The primary goal of the Governor's Workforce Council is to ensure that Connecticut maintains the most accessible, equitable, aligned and high-quality workforce pipeline in the country, ensuring our workforce remains agile through curricula and programming that is responsive to the needs of the 21st-century economy.

### Office of Workforce Strategy

The Office of Workforce Strategy (OWS) serves as the administrative staff to the Governor's Workforce Council (GWC).

The vision of OWS is for every Connecticut resident to have access to a meaningful career pathway and the support needed to fulfill their aspirations and for every Connecticut business to have access to a skilled workforce.

More information is available at  
[portal.ct.gov/GWC](http://portal.ct.gov/GWC)

# Interview Tips

## The key to a successful interview is advanced preparation:

- Before the interview, research the company/organization to be prepared for the question “what do you know about our company?”
- Begin to formulate responses to traditional interview questions like:
  - \* Tell me about yourself
  - \* Why did you leave your last job?
  - \* What are your strengths and weaknesses?
  - \* Where do you see yourself in 5-10 years?
- Conduct a mock/practice interview with a friend/family member and record yourself. You may not like the way you sound initially, but that’s okay. The more you do this, the more comfortable you’ll become during a real interview. Your answers will become more concise and polished.
- When scheduling an interview, obtain information that will ensure you’ll be on time such as directions and a contact name/number. It’s critical to be on time for your interview. Arriving late creates a negative impression.
- Within 24 hours of your interview, send an email thank you that expresses your appreciation for the interviewer’s time and reiterates your qualifications. The subject line of your email should NOT be THANK YOU. This may be perceived as junk mail. Consider a subject line like Our Meeting on 5/28/23.



For more information about conducting an effective interview, consider enrolling in our cost-free workshop, Interviewing Strategies and Techniques. Go to [portal.ct.gov/dol/Job-Seekers](http://portal.ct.gov/dol/Job-Seekers)



## Using LinkedIn to Secure Your Next Job

LinkedIn is an outstanding resource for networking, job search, being found by employers and conducting research.

It is the world’s largest business-oriented social networking site with 875+ million registered users in 200+ countries. Every year, there are 3+ million new hires through LinkedIn.

Job seekers set up a Profile on LinkedIn which can be viewed by prospective employers, recruiters, and networking contacts. A Profile is like a résumé, but it includes features that can take your candidacy to another level such as the ability to receive endorsements and recommendations.

LinkedIn features thousands of Connecticut Job postings for a wide variety of occupations. Having a LinkedIn profile can also prevent job seekers from being screened out because the site offers employers the opportunity to interface with their ATS (Applicant Tracking System).

**For more information about LinkedIn, consider enrolling in our cost-free workshop.**

# Department of Aging and Disability Services (ADS)

[www.ct.gov/ads](http://www.ct.gov/ads)

ADS is committed to maximize opportunities for the independence and well-being of people with disabilities and older adults in Connecticut. ADS has many programs and services including:

- The Bureau of Rehabilitation Services (BRS) strives to create opportunities that enable individuals with significant disabilities to work competitively and live independently. BRS also has a Vocational Rehabilitation program which is designed to help people with disabilities prepare for, obtain, maintain and advance in employment.
- Bureau of Education and Services for the Blind (BESB) serves as the central intake for clients who are blind or have low vision and provides independent living training to adults to assist them with maintaining independence within the home and the community. It also houses a Vocational Rehabilitation program.
- The Deaf and Hard of Hearing Interpreter Registry is monitored and maintained by ADS. This is a statewide Interpreter Registry for all sign language interpreters working in Connecticut in accordance with state statute. If you are in need of interpreting services, please call 2-1-1, or visit [www.211ct.org](http://www.211ct.org) and search for "Sign Language Interpretation."
- The Employment Opportunities Program enables individuals with the most significant disabilities to engage in competitive employment by providing funding for long-term supports in order to maintain competitive employment.
- The Independent Living Program provides comprehensive independent living services to persons with significant disabilities through contracts with Connecticut's five community based Centers for Independent Living. For a list of Connecticut Independent Living Centers, please visit [www.cacil.net](http://www.cacil.net).
- The Older Worker Program (AKA the Senior Community Service Employment Program (SCSEP)) offers participants in this program temporary training assignments where they gain valuable on-the-job work experience and training needed to gain meaningful employment.



## ADS programs, policies and practices are designed to:

- Deliver integrated aging and disability services responsive to the needs of Connecticut citizens;
- Provide leadership on aging and disability issues statewide;
- Provide and coordinate aging and disability programs and services in the areas of employment, education, independent living, accessibility and advocacy;
- Advocate for the rights of Connecticut citizens with disabilities and older adults; and
- Serve as a resource on aging and disability issues at the state level.



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# **BENEFITS**

## **Full-Time Benefits, Part-Time Service**

- **Free Tuition to Connecticut State Colleges**
- **Monthly Paycheck**
- **Student Loan Repayment [up to 50K]**
- **Affordable Insurance - Health/Dental/Life**
- **Montgomery G.I. Bill [paid \$439 a month, full-time college]**
- **Federal Tuition Assistance**
- **Retirement Benefits and Thrift Savings Plan**
- **Paid Training and Job Experience**
- **Call or Text for More Information on our Benefits!**