



ADVANCED MANUFACTURING AND LOGISTICS JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 50 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

NO FORMAL EDUCATIONAL CREDENTIAL + ADDITIONAL TRAINING	
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	\$13.16 - \$19.38
Meat, Poultry, and Fish Cutters and Trimmers	\$13.30 - \$23.88
Slaughterers and Meat Packers	\$15.50 - \$23.24
HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Cabinetmakers and Bench Carpenters	\$13.41 - \$22.58
Computer-Controlled Machine Tool Operators, Metal and Plastic	\$15.79 - \$26.64
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$13.48 - \$20.34
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers and Finishers	\$13.27 - \$19.99
First-Line Supervisors of Production and Operating Workers	\$22.60 - \$40.84
Industrial Machinery Mechanics	\$22.50 - \$34.98
Machinists	\$16.57 - \$27.37
Maintenance and Repair Workers, General	\$14.92 - \$25.48
Mixing and Blending Machine Setters, Operators, and Tenders	\$13.60 - \$24.67
Printing Press Operators	\$12.47 - \$21.79
Production Workers, All Other	\$12.18 - \$21.10
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	\$13.79 - \$23.09
Sheet Metal Workers	\$17.10 - \$31.26
Structural Iron and Steel Workers	\$19.83 - \$34.26
Welders, Cutters, Solderers, and Brazers	\$16.12 - \$24.90
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Aircraft Mechanics and Service Technicians	\$22.75 - \$38.94
Computer, Automated Teller, and Office Machine Repairers	\$13.32 - \$25.17
ASSOCIATE DEGREE	
Electrical and Electronics Engineering Technicians	\$25.12 - \$44.54
Engineering Technicians, Except Drafters, All Other	\$26.67 - \$43.72
BACHELOR'S DEGREE OR HIGHER	
Aerospace Engineers	\$40.97 - \$73.59
Civil Engineers	\$37.35 - \$60.32
Electrical Engineers	\$38.84 - \$61.19
Electronics Engineers, Except Computer	\$43.67 - \$65.59
Engineers, All Other	\$36.78 - \$64.49
Industrial Engineers	\$37.38 - \$61.52
Industrial Production Managers*	\$38.49 - \$74.50
Mechanical Engineers	\$34.49 - \$57.23
Purchasing Managers*	\$34.29 - \$69.21

*Nationally, 33% or more of workers currently employed in this occupation have an associate degree or less.



ADVANCED TRANSPORTATION AND LOGISTICS JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 50 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

NO FORMAL EDUCATIONAL CREDENTIAL + ADDITIONAL TRAINING	
Industrial Truck and Tractor Operators	\$13.37 - \$19.50
Motor Vehicle Operators, All Other	\$30.70 - \$37.75
Sailors and Marine Oilers	\$13.64 - \$29.99
HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Automotive Body and Related Repairers	\$14.74 - \$27.70
Bus and Truck Mechanics and Diesel Engine Specialists	\$19.66 - \$31.59
Bus Drivers, School or Special Client	\$14.55 - \$21.87
Bus Drivers, Transit and Intercity	\$17.41 - \$28.00
Driver/Sales Workers	\$12.22 - \$20.82
First-Line Supervisors of Mechanics, Installers, and Repairers	\$27.76 - \$46.34
First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling	\$20.25 - \$35.55
Light Truck or Delivery Services Drivers	\$12.15 - \$22.54
Mobile Heavy Equipment Mechanics, Except Engines	\$22.97 - \$33.93
Production, Planning, and Expediting Clerks	\$18.11 - \$31.59
Shipping, Receiving, and Traffic Clerks	\$13.36 - \$19.57
Transportation Attendants, Except Flight Attendants	\$14.71 - \$22.10
Transportation, Storage, and Distribution Managers	\$36.56 - \$63.92
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Aircraft Mechanics and Service Technicians	\$22.75 - \$38.94
Automotive Service Technicians and Mechanics	\$14.43 - \$27.49
Heavy and Tractor-Trailer Truck Drivers	\$17.39 - \$28.59
BACHELOR'S DEGREE OR HIGHER	
Logisticians*	\$33.07 - \$50.82

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AGRICULTURE, WATER AND ENVIRONMENTAL TECHNOLOGIES JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 10 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

NO FORMAL EDUCATIONAL CREDENTIAL + ADDITIONAL TRAINING	
Agricultural Workers, All Other	\$18.05 - \$29.22
Grounds Maintenance Workers, All Other	\$11.66 - \$28.53
Hunters and Trappers	\$11.03 - \$41.05
Rotary Drill Operators, Oil and Gas	\$19.18 - \$25.44
Roustabouts, Oil and Gas	\$14.04 - \$26.57
Service Unit Operators, Oil, Gas, and Mining	\$22.55 - \$41.92
HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Earth Drillers, Except Oil and Gas	\$17.32 - \$27.79
Fallers	\$16.66 - \$29.68
Farmers, Ranchers, and Other Agricultural Managers	\$12.12 - \$38.17
First-Line Supervisors of Farming, Fishing, and Forestry Workers	\$14.80 - \$26.15
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	\$14.70 - \$30.48
Pest Control Workers	\$15.12 - \$25.54
Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$11.99 - \$24.31
Stationary Engineers and Boiler Operators	\$26.76 - \$39.33
Tree Trimmers and Pruners	\$14.39 - \$28.56
Water and Wastewater Treatment Plant and System Operators	\$26.77 - \$40.92
ASSOCIATE DEGREE	
Agricultural and Food Science Technologies	\$15.23 - \$23.39
Environmental Engineering Technicians	\$20.01 - \$36.80
Environmental Science and Protection Technicians, Including Health	\$23.80 - \$37.95
Forest and Conservation Technicians	\$18.24 - \$28.46
BACHELOR'S DEGREE OR HIGHER	
Agricultural Engineers	\$22.83 - \$34.95
Agricultural Inspectors*	\$13.46 - \$24.96
Animal Scientists	\$18.87 - \$29.16
Environmental Engineers	\$36.57 - \$58.27
Environmental Scientists and Specialists, Including Health	\$35.09 - \$50.56
Geoscientists, Except Hydrologists and Geographers	\$29.80 - \$55.07
Hydrologists	\$37.16 - \$65.98
Physical Scientists, All Other	\$27.70 - \$60.41
Soil and Plant Scientists	\$29.35 - \$56.42

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BUSINESS AND ENTREPRENEURSHIP JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 90 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Bill and Account Collectors	\$15.77 - \$24.30
Billing and Posting Clerks	\$16.60 - \$23.79
Customer Service Representatives	\$14.41 - \$22.07
Data Entry Keyers	\$13.95 - \$19.48
Executive Secretaries and Executive Administrative Assistants	\$26.48 - \$38.61
First-Line Supervisors of Office and Administrative Support Workers	\$21.94 - \$34.79
Information and Record Clerks, All Other	\$17.58 - \$25.95
Insurance Claims and Policy Processing Clerks	\$14.66 - \$24.83
Insurance Sales Agents	\$18.63 - \$40.54
Legal Secretaries	\$17.56 - \$28.30
Loan Interviewers and Clerks	\$19.81 - \$29.05
Office and Administrative Support Workers, All Other	\$13.08 - \$23.62
Payroll and Timekeeping Clerks	\$17.45 - \$27.22
Property, Real Estate, and Community Association Managers	\$16.32 - \$40.98
Real Estate Brokers	\$19.27 - \$69.21
Real Estate Sales Agents	\$16.74 - \$48.19
Sales and Related Workers, All Other	\$14.88 - \$28.51
Sales Representatives, Services, All Other	\$16.37 - \$35.38
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	\$17.49 - \$39.95
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	\$16.27 - \$24.87
Tellers	\$13.83 - \$18.19
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Hairdressers, Hairstylists, and Cosmetologists	\$11.00 - \$20.43

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BUSINESS AND ENTREPRENEURSHIP JOBS AND WAGES

BACHELOR'S DEGREE OR HIGHER	
Accountants and Auditors	\$27.75 - \$48.84
Administrative Services Managers*	\$37.02 - \$63.83
Agents and Business Managers of Artists, Performers, and Athletes*	\$12.61 - \$39.97
Buyers and Purchasing Agents*	\$23.53 - \$41.75
Chief Executives	\$48.13 - \$125.73
Compliance Officers*	\$28.53 - \$48.27
Financial Analysts	\$30.18 - \$54.07
Financial Managers*	\$41.40 - \$79.16
Financial Specialists, All Other*	\$27.86 - \$45.19
Human Resources Specialists*	\$24.28 - \$41.17
Lawyers	\$37.78 - \$103.51
Loan Officers*	\$20.76 - \$47.90
Management Analysts	\$27.82 - \$57.15
Managers, All Other*	\$17.90 - \$63.15
Market Research Analysts and Marketing Specialists	\$21.38 - \$42.35
Marketing Managers	\$40.42 - \$92.13
Personal Financial Advisors	\$23.94 - \$75.76
Securities, Commodities, and Financial Services Sales Agents	\$20.05 - \$40.06
Training and Development Specialists*	\$22.76 - \$46.71

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EDUCATION AND HUMAN DEVELOPMENT JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 50 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Self-Enrichment Education Teachers	\$14.51 - \$31.76
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Teacher Assistants	\$13.87 - \$19.26
ASSOCIATE DEGREE	
Preschool Teachers, Except Special Education	\$13.26 - \$18.80
BACHELOR'S DEGREE OR HIGHER	
Career/Technical Education Teachers, Middle School	\$20.51 - \$34.78
Child, Family, and School Social Workers	\$21.11 - \$35.01
Clinical, Counseling, and School Psychologists	\$33.84 - \$62.52
Community and Social Specialists, All Other*	\$17.60 - \$30.29
Educational, Guidance, School, and Vocational Counselors	\$49.13 - \$69.13
Education Administrators, Elementary and Secondary School	\$40.84 - \$74.34
Education Administrators, Postsecondary	\$24.28 - \$45.85
Education, Training, and Library Workers, All Other	\$15.33 - \$27.41
Elementary School Teachers, Except Special Education	\$27.82 - \$44.91
Health Educators*	\$22.21 - \$40.76
Instructional Coordinators	\$24.84 - \$45.58
Kindergarten Teachers, Except Special Education*	\$19.55 - \$41.71
Middle School Teachers, Except Special and Career/Technical Education	\$25.70 - \$41.56
Postsecondary Teachers	\$24.12 - \$56.81
Secondary School Teachers, Except Special and Career/Technical Education	\$29.01 - \$45.15
Special Education Teachers, Kindergarten and Elementary School	\$27.77 - \$44.91
Special Education Teachers, Secondary School	\$27.50 - \$44.75
Substitute Teachers*	\$16.43 - \$21.13
Teachers and Instructors, All Other	\$13.92 - \$33.62

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ENERGY, CONSTRUCTION AND UTILITIES JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 40 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

NO FORMAL EDUCATIONAL CREDENTIAL + ADDITIONAL TRAINING	
Cement Masons and Concrete Finishers	\$18.46 - \$30.43
Construction Laborers	\$13.08 - \$25.36
Drywall and Ceiling Tile Installers	\$18.23 - \$33.31
Fence Erectors	\$11.92 - \$18.63
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$15.02 - \$18.48
Painters, Construction and Maintenance	\$14.10 - \$25.06
Plasterers and Stucco Masons	\$18.36 - \$26.48
Roofers	\$18.54 - \$28.67
Tile and Marble Setters	\$16.32 - \$26.85
HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Carpenters	\$16.44 - \$33.22
Construction and Building Inspectors	\$32.62 - \$51.31
Electricians	\$20.52 - \$36.70
First-Line Supervisors of Construction Trades and Extraction Workers	\$24.30 - \$44.17
Glaziers	\$17.98 - \$33.18
Helpers--Installation, Maintenance, and Repair Workers	\$11.49 - \$16.84
Highway Maintenance Workers	\$20.83 - \$30.45
Installation, Maintenance, and Repair Workers, All Other	\$15.37 - \$27.66
Maintenance Workers, Machinery	\$20.89 - \$34.84
Operating Engineers and Other Construction Equipment Operators	\$26.15 - \$42.39
Pile-Driver Operators	\$23.04 - \$43.55
Plumbers, Pipefitters, and Steamfitters	\$19.12 - \$34.74
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$16.68 - \$30.24
ASSOCIATE DEGREE	
Architectural and Civil Drafters	\$20.66 - \$32.89
BACHELOR'S DEGREE OR HIGHER	
Architects, Except Landscape and Naval	\$24.96 - \$50.54
Architectural and Engineering Managers	\$62.99 - \$90.58
Construction Managers*	\$20.86 - \$53.62

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GLOBAL TRADE JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 40 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Order Clerks	\$13.53 - \$21.46
Sales Representative, Services, All Other	\$16.37 - \$35.38
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	\$17.49 - \$39.95
BACHELOR'S DEGREE OR HIGHER	
Business Operations Specialists, All Other*	\$24.18 - \$47.56
Buyers and Purchasing Agents*	\$23.53 - \$41.75
Cost Estimators*	\$24.38 - \$43.19
Sales Engineers	\$36.98 - \$76.61
Sales Managers	\$31.30 - \$73.73

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GOVERNMENT/OR PUBLIC SAFETY JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 15 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Correctional Officers and Jailers	\$14.37 - \$42.75
Court, Municipal, and License Clerks	\$18.63 - \$25.75
Detectives and Criminal Investigators	\$42.54 - \$69.24
Dispatchers, Except Police, Fire, and Ambulance	\$15.73 - \$25.01
Eligibility Interviewers, Government Programs	\$22.44 - \$28.25
First-Line Supervisors of Correctional Officers	\$42.49 - \$68.65
First-Line Supervisors of Police and Detectives	\$61.70 - \$86.26
Police and Sheriff's Patrol Officers	\$42.04 - \$58.61
Police, Fire, and Ambulance Dispatchers	\$26.30 - \$38.09
Postal Service Clerks	\$21.17 - \$29.40
Postal Service Mail Carriers	\$19.14 - \$30.05
Postal Service Mail Sorters, Processors, and Processing Machine Operators	\$17.86 - \$28.79
Private Detectives and Investigators	\$19.23 - \$54.65
Protective Service Workers, All Other	\$12.07 - \$22.19
Transportation Security Screeners	\$20.25 - \$21.69
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Court Reporters	\$23.35 - \$46.74
Firefighters	\$27.11 - \$50.09
Library Technicians	\$18.00 - \$24.53
BACHELOR'S DEGREE OR HIGHER	
Forensic Science Technicians*	\$31.61 - \$57.82
Judicial Law Clerks	\$26.84 - \$35.71
Legislators	\$17.10 - \$38.77
Librarians	\$28.16 - \$46.17
Political Scientists	\$19.19 - \$37.53
Probation Officers and Correctional Treatment Specialists	\$28.01 - \$47.24
Surveyors	\$30.71 - \$53.19

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HEALTH CARE JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 60 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
File Clerks	\$12.45 - \$20.76
Healthcare Support Workers, All Other	\$17.26 - \$23.83
Hearing Aid Specialists	\$19.52 - \$36.60
Home Health Aides	\$11.96 - \$20.96
Interviewers, Except Eligibility and Loan	\$16.48 - \$24.23
Medical Secretaries	\$16.41 - \$23.97
Office Clerks, General	\$12.28 - \$21.57
Pharmacy Technicians	\$16.62 - \$23.74
Residential Advisors	\$12.97 - \$20.79
Social and Human Service Assistants	\$16.65 - \$24.12
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Dental Assistants	\$16.52 - \$23.63
Health Technologists and Technicians, All Other	\$17.56 - \$26.06
Licensed Practical and Licensed Vocational Nurses	\$21.74 - \$30.26
Massage Therapists	\$11.96 - \$29.37
Medical Assistants	\$14.45 - \$20.89
Medical Records and Health Information Technicians	\$16.31 - \$25.62
Nursing Assistants	\$13.40 - \$18.36
Phlebotomists	\$17.83 - \$23.75
Psychiatric Technicians	\$30.14 - \$36.74
ASSOCIATE DEGREE	
Clinical Laboratory Technologists and Technicians	\$20.28 - \$39.98
Dental Hygienists	\$42.90 - \$56.99
Radiologic Technologists	\$23.37 - \$43.85
Respiratory Therapy Technicians	\$13.81 - \$30.10
Veterinary Technologists and Technicians	\$16.00 - \$23.85

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HEALTH CARE JOBS AND WAGES

BACHELOR'S DEGREE OR HIGHER	
Genetic Counselors*	\$22.71 - \$50.36
Healthcare Social Workers	\$22.91 - \$39.92
Marriage and Family Therapists	\$17.51 - \$29.23
Medical and Health Services Managers*	\$34.54 - \$72.04
Medical Scientists, Except Epidemiologists	\$38.29 - \$61.46
Mental Health and Substance Social Workers	\$21.04 - \$44.21
Nurse Midwives	\$44.69 - \$78.26
Nurse Practitioners	\$52.30 - \$67.57
Orthodontists	\$77.94 - \$141.70
Pharmacists	\$57.41 - \$75.68
Physical Therapists	\$35.84 - \$53.10
Registered Nurses*	\$38.68 - \$57.50
Social and Community Service Managers	\$24.90 - \$49.83
Social Workers, All Other	\$25.73 - \$39.61
Speech-Language Pathologists	\$35.43 - \$51.18
Substance Abuse, Behavioral Disorder, and Mental Health Counselors	\$16.54 - \$29.53

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ICT & DIGITAL MEDIA JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 30 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Computer Operators	\$18.90 - \$27.97
Electrical Power-Line Installers and Repairers	\$33.75 - \$56.44
Media and Communication Equipment Workers, All Other	\$30.66 - \$57.68
Photographers	\$12.57 - \$40.97
Surveying and Mapping Technicians	\$22.19 - \$41.05
Telecommunications Line Installers and Repairers	\$19.19 - \$35.94
Word Processors and Typists	\$16.07 - \$25.23
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Audio and Video Equipment Technicians	\$12.60 - \$28.51
Computer User Support Specialists	\$20.79 - \$33.78
Telecommunications Equipment Installers and Repairers, Except Line Installers	\$21.11 - \$37.20
ASSOCIATE DEGREE	
Computer Network Support Specialists	\$26.68 - \$44.32
Web Developers	\$16.98 - \$40.14
BACHELOR'S DEGREE OR HIGHER	
Commercial and Industrial Designers*	\$17.57 - \$43.49
Computer and Information Systems Managers	\$57.02 - \$91.40
Computer Network Architects*	\$37.98 - \$67.91
Computer Occupations, All Other*	\$28.78 - \$54.83
Computer Programmers	\$32.17 - \$54.17
Computer Systems Analysts	\$33.92 - \$59.25
Database Administrators	\$26.46 - \$57.23
Editors	\$15.88 - \$41.96
Graphic Designers*	\$15.91 - \$35.33
Information Security Analysts	\$22.97 - \$73.02
Network and Computer Systems Administrators*	\$31.84 - \$51.28
Operations Research Analysts	\$32.16 - \$55.27
Producers and Directors	\$20.15 - \$55.12
Public Relations Specialists	\$24.88 - \$54.37
Software Developers, Applications	\$32.65 - \$65.55
Software Developers, Systems Software	\$41.40 - \$70.51
Technical Writers	\$31.18 - \$51.31
Writers and Authors	\$11.00 - \$43.76

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LIFE SCIENCES AND BIOTECHNOLOGY JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 10 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Chemical Equipment Operators and Tenders	\$16.70 - \$24.40
Inspectors, Testers, Sorters, Samplers, and Weighers	\$14.75 - \$27.36
Medical Appliance Technicians	\$11.65 - \$23.77
Ophthalmic Laboratory Technicians	\$13.10 - \$25.27
ASSOCIATE DEGREE	
Chemical Technicians	\$16.66 - \$29.05
Life, Physical, and Social Science Technicians, All Other	\$17.71 - \$31.39
Manufacturing Production Technicians (part of Engineering Technicians, Except Drafters, All Other)	\$26.67 - \$43.72
Medical Equipment Repairers	\$18.43 - \$32.50
Quality Control Analysts (part of Life, Physical, and Social Science Technicians, All Other)	\$17.71 - \$31.39
BACHELOR'S DEGREE OR HIGHER	
Astronomer	\$36.24 - \$77.02
Biological Scientists, All Other	\$31.72 - \$50.89
Biological Technicians*	\$18.98 - \$24.52
Biomedical Engineers	\$38.99 - \$57.49
Biostatisticians (part of Statisticians)	\$26.80 - \$47.61
Chemical Engineers	\$38.73 - \$55.29
Chemists	\$25.74 - \$44.05
Clinical Data Managers (part of Statisticians)	\$26.80 - \$47.61
Clinical Research Coordinators (part of Natural Sciences Managers)	\$38.93 - \$70.58
Conservation Scientists	\$24.68 - \$40.68
Laboratory Managers (part of Natural Sciences Managers)	\$38.93 - \$70.58
Manufacturing Engineers (part of Engineers, All Other)	\$36.78 - \$64.49
Materials Scientists	\$44.25 - \$88.47
Microbiologists	\$33.20 - \$60.13
Natural Sciences Managers	\$38.93 - \$70.58
Physicists	\$29.81 - \$64.14
Social Science Research Assistants*	\$15.99 - \$26.11
Social Scientists and Related Workers, All Other	\$34.81 - \$66.68
Sociologists	\$26.96 - \$58.15
Urban and Regional Planners	\$34.08 - \$53.32
Zoologists and Wildlife Biologists	\$31.75 - \$43.48

*Nationally, 33% or more of workers currently employed in this occupation have an associate degree or less.



OTHER JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 10 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

NO FORMAL EDUCATIONAL CREDENTIAL + ADDITIONAL TRAINING	
Refuse and Recyclable Material Collectors	\$14.24 - \$25.47
HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
First-Line Supervisors of Housekeeping and Janitorial Workers	\$14.61 - \$26.09
Jewelers and Precious Stone Metal Workers	\$14.38 - \$23.54
Locksmiths and Safe Repairers	\$13.41 - \$30.61
Painters, Transportation Equipment	\$14.81 - \$26.96
Title Examiners, Abstractors, and Searchers	\$15.10 - \$30.07
ASSOCIATE DEGREE	
Legal Support Workers, All Other	\$15.31 - \$30.46
Morticians, Undertakers, and Funeral Directors	\$19.84 - \$38.36
Paralegals and Legal Assistants	\$20.86 - \$38.29
BACHELOR'S DEGREE OR HIGHER	
Clergy	\$24.46 - \$44.23
Directors, Religious Activities and Education	\$15.60 - \$29.56
Interpreters and Translators*	\$16.65 - \$34.38
Labor Relations Specialist*	\$13.89 - \$44.37
Public Relations and Fundraising Managers	\$52.73 - \$85.58
Religious Workers, All Other*	\$11.24 - \$20.09

*Nationally, 33% or more of workers currently employed in this occupation have an associate degree or less.



RETAIL, HOSPITALITY, AND TOURISM JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 50 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

NO FORMAL EDUCATIONAL CREDENTIAL + ADDITIONAL TRAINING	
Butchers and Meat Cutters	\$12.80 - \$20.52
Cooks, Institution and Cafeteria	\$13.27 - \$19.70
Entertainers and Performers, Sports and Related Workers, All Other	\$12.60 - \$43.19
Models	\$14.04 - \$26.39
Musician and Singers	\$15.83 - \$54.67
Tailors, Dressmakers, and Custom Sewers	\$10.73 - \$24.47
HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Chefs and Head Cooks	\$17.28 - \$31.81
Choreographers	\$12.16 - \$42.64
First-Line Supervisors of Food Preparation and Serving Workers	\$13.25 - \$20.24
First-Line Supervisors of Non-Retail Sales Workers	\$18.39 - \$38.92
First-Line Supervisors of Personal Service Workers	\$14.30 - \$25.19
First-Line Supervisors of Retail Sales Workers	\$14.40 - \$25.55
Fitness Trainers and Aerobics Instructors	\$18.69 - \$31.38
Food Service Managers	\$16.37 - \$32.47
Reservation and Transportation Ticket Agents and Travel Clerks	\$12.60 - \$22.88
Tour and Travel Guides	\$11.61 - \$21.60
Travel Agents	\$17.35 - \$29.33
Umpires, Referees, and Other Sports Officials	\$13.27 - \$25.80
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Actors	\$13.09 - \$44.85
BACHELOR'S DEGREE OR HIGHER	
Coaches and Scouts*	\$13.00 - 28.35
Curators	\$17.46 - \$32.97
General and Operations Managers*	\$32.74 - \$77.90
Interior Designers*	\$14.55 - \$38.95
Meeting, Convention, and Event Planners*	\$16.46 - \$29.95
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products*	\$25.20 - \$55.99

*Nationally, 33% or more of workers currently employed in this occupation have an associate degree or less.