OCCUPATIONAL EMPLOYMENT REPORT OF SCIENTIFIC RESEARCH AND **DEVELOPMENT SERVICES (541700)**

In Cooperation with the **U.S. Department of Labor**



What this report is about: This form asks for information about the occupations and wage ranges of the employees described in Item 3 below. Please complete Items 1 through 5 on this page. Next, please provide the information requested beginning on page 1 for the employees who worked during or received pay for the pay period that included the reference date in Item 3, printed directly above your establishment name. The instructions on pages ii and iii explain how to provide the information.

Please see our website at http://www.bls.gov/OES for more information on the OES Program, including a display of national, state and metropolitan area employment and wage estimates

by occupation.	
Which of the following options describes the status of the location(s) in Item 3 as of the reference date also printed in Item 3? Operating: Go to item 2. Temporarily closed during the reference period: Report data only for applyages paid for work during the reference period.	This form asks for information about the employees described below. Our estimate of employment for these employees appears at the top right corner of the label. <i>Please make any needed address corrections</i> .
employees paid for work during the reference period. If no employees worked for pay, report "0" in section 4 of this page and return the form in the reply envelope provided. Permanently out of business as of/_/: Return the form to the address at the top. Sold or merged: Enter the new name and address below, then go to item 2.	
New Name: New Address:	How many employees, both full and part-time , worked at this location(s) during the pay period that included the reference date printed in Item 3?
Our records show that your main products or services are related to those listed below. If they are not, please list your main products or services on the lines provided and continue with the rest of the report.	Include • Full or part-time paid workers • Workers on paid leave • Workers assigned temporarily to other units • Incorporated firms - paid owners, officers, and staff Do Not Include • Contractors and temporary agency employees not on your payroll • Unpaid family workers • Workers on unpaid leave • Unincorporated firms - proprietors, owners, and partners
	Do all employees reported above work at one location? Yes NoEnter number of locations FOR
	Please tell us who to contact if we have questions about your data. Name:
	Title: Phone: ()Ext Date:
	E-mail address:

Instructions for Reporting by Occupation

Report part-time workers in the job they perform.

Report **apprentices** in the job for which they are being trained.

Report employees in the following ways:

- Use the description of duties along with the job titles to determine where to place employees. Do not rely on job titles alone.
- · Report employees in the occupations in which they are working, not necessarily in occupations for which they have been trained. For example: An employee trained as an engineer, but working as a drafter, should be reported as a drafter.
- Report each employee only once in the occupation that requires the highest level of skill if the employee performs work in two or more occupations. If there is **no** measurable difference in skill requirements, report employees in the occupation in which they spend the **most** time.
- Professionals who directly supervise other workers in professional occupations should be classified in the same occupation as the workers they supervise. For example, an economist that supervises other economists is classified as an economist.

Instructions for Reporting Wage Information

For all employees:

- · Please use the hourly and annual wage rate categories to report employees. If wages are not recorded by hour or year (bi-weekly, or monthly for example), convert them into an hourly wage rate.
- For part-time workers, please report the specific hourly wage rate, not an average.
- For tip, commission, and piece-rate workers, please estimate the earnings (base pay plus tips, commissions, or piece rates), and report the appropriate wage.
- For salaried workers who do not work a standard 2080 hours per year (40 hours per week), please report wages on an hourly basis. For workers who are paid an annual salary by contract, such as Airline Pilots, report their annual salary.
- Include and/or exclude from pay as follows:

Include as pay

- Base Rate
- Commissions
- Tips
- Deadheading Pay
- Guaranteed Pay
- Hazard Pay
- Incentive Pay
- Longevity Pay
- Piece Rate
- Portal-to-Portal Rate
- Production Bonus
- Cost-of-Living Allowance

Exclude as pay

- Attendance Bonus
- Back Pay
- Draw
- Holiday Premium Pay
- Jury Duty Pay
- Lodging Payments
- Meal Payments
- Merchandise Discounts

Severance Pay

Shift Differential

Stock Bonuses

Tool Allowance

Vacation Pay

Weekend Pay

Uniform Allowance

On-call Pay

Nonproduction Bonus (e.g., Holiday Bonus)

Overtime Pay

Perquisites

Profit Sharing Payment

Relocation Allowance

Tuition Repayments

The Bureau of Labor Statistics, its employees, agents, and partner statistical agencies, will use the information you provide for statistical purposes only and will hold the information in confidence to the full extent permitted by law. In accordance with the Confidential Information Protection and Statistical Efficiency Act of 2002 (Title 5 of Public Law 107-347) and other applicable Federal laws, your responses will not be disclosed in identifiable form without your informed consent. This report is authorized by law, 29 U.S.C. §2. Your voluntary cooperation is needed to make the results of this report comprehensive, accurate, and timely.

*We estimate that it will vary from 30 minutes to 6 hours to complete this report, depending on such factors as the size of the establishment. This includes time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this information. If you have any comments regarding these estimates or any other aspects of this report, including suggestions for reducing this burden, send them to the U.S. Bureau of Labor Statistics, Division of Occupational Employment Statistics (1220-0042), 2 Massachusetts Avenue NE, Suite 2135, Washington, DC 20212. Please do not return your questionnaire to this address. Use the enclosed preaddressed envelope or the address provided at the top of the first page to return your completed questionnaire. You do not have to complete this questionnaire if it does not display a currently valid OMB control number.

541700 ii

Instructions for Completing the Report

On the following pages you will find the Occupational Employment Report. Please refer to the example below and the guidelines on page ii for instructions on how to complete the form. If you have employees whose occupations are not found in the list provided, please use the supplemental pages at the end of this report. Please write each unique occupational title on a separate line along with a short description of duties, the number of employees in each wage category, and the total employment for each occupation.

OCCUPATIONAL TITL DESCRIPTION OF DU				(F					IN SELE			NGES URLY RA	TE)	
DECORM HOW OF DO		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
	Hourly (part- time or full-time)	under \$9.25	\$9.25 - 11.49	\$11.50 - 14.49	\$14.50 - 18.24	\$18.25 - 22.74	\$22.75 - 28.74	\$28.75 - 35.99	\$36.00 - 45.24	\$45.25 - 56.99	\$57.00 - 71.49	\$71.50 - 89.99	\$90.00 and over	TOTAL
	Annual Salary (full-time only)	under \$19,240		\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879	\$74,880 - 94,119	\$94,120 - 118,559		\$148,720 - 187,199	\$187,200 and over	EMPLOYMENT
Accountants and Auditors - Exan and interpret accounting records for giving advice or preparing statemer	r the purpose of		//	1	2	3								6

- 1 For each occupation listed, read the definition to determine which occupations are found in your establishment.
- For each occupation that is found in your establishment, write in the number of workers in this occupation, based on their wages. For example, there are six Accountants in your establishment. One is part-time, working 20 hours a week, and earns \$12,480 per year; and five are full-time: two earn \$32,000 per year, and three earn \$46,000. Calculate an hourly wage for the part-time worker by dividing the annual wage by the number of hours worked; 20 hrs x 52 weeks = 1040 hrs/yr, \$12480/1040 hrs = \$12/hr. Write "1" in column C. For the full-time workers, use their annual wage: write "2" in column D and "3" in column E.
- Add up the total number of workers in this occupation and write the figure in the Total Employment column, making sure the total agrees with your records.

541700 iii

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES				l	_	_	_	_		TED WA	_			
		Α	В	С	D	E	F	G	Н	- 1	J	K	L	Т
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -	\$45.25 -	\$57.00 -	\$71.50 -	\$90.00	
	time or full-time)		11.49	14.49	18.24	22.74	28.74	35.99	45.24	56.99	71.49		and over	
	Annual Salary	under	\$19,240 -	\$23,920 -	\$30,160 -	\$37,960 -	\$47,320 -	\$59,800 -	\$74,880 -	\$94,120 -	\$118,560	\$148,720	\$187,200	Employment
	(full-time only)									118,559				

Management Occupations

(Managers in this section generally have other managers/supervisors reporting to them.)

Chief Executives -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Determine and formulate policies and provide the overall														
companies or private and public sector organizations with														
guidelines set up by a board of directors or similar govern	ing body.													
l r	11-1011													
	11-1011													
General and Operations Managers -		Α	В	С	D	E	F	G	Н	I	J	K	L	Т
Plan, direct, or coordinate the operations of companies or														
private sector organizations. Duties include formulating pomanaging daily operations, and planning the use of mater														
resources, but are too diverse in nature to be classified in														
functional area of management or administration.	arry or to													
Г	11-1021													
Marketing Managers -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Determine the demand for products and services offered leading to competitors and identify potential customers. Develop price														
with the goal of maximizing the firm's profits or share of th														
3.1.1														
Г	11-2021													
Sales Managers -		Α	В	С	D	E	F	G	Н	ı	J	K	L	T
(Customer Service Manager) Direct the distribution of a service to the customer by establishing sales territories, q														
goals. Analyze sales statistics gathered by staff to determ														
potential and inventory requirements and monitor the pref														
customers.														
	11-2022													

DESCRIPTION OF DUTIES	Hourly (part- time or full-time) Annual Salary (full-time only)	A under \$9.25	B \$9.25 -	С	D									
	time or full-time) Annual Salary		\$9.25 -		U	E	F	G	Н	1	J	K	L	Т
	Annual Salary		11.49	\$11.50 - 14.49	\$14.50 - 18.24	\$18.25 - 22.74	\$22.75 - 28.74	\$28.75 - 35.99	\$36.00 - 45.24	\$45.25 - 56.99	\$57.00 - 71.49	\$71.50 - 89.99	\$90.00 and over	Total
	(Iuli ullic offiy)	under \$19,240	\$19,240 23,919	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879	\$74,880 - 94,119	\$94,120 - 118,559	\$118,560 - 148,719	\$148,720 - 187,199	\$187,200 and over	Employment
		Ψ.0,2.0							0 1,1 10		. 10,1 10	101,100	a.i.a 0.70.	
Administrative Services Managers - Plan, direct, or coordinate supportive services of an organ	nization, such	Α	В	С	D	E	F	G	Н	I	J	K	L	Т
as recordkeeping, mail distribution, telephone operator/re- other office support services.														
	11-3011													
Computer and Information Systems Managers -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
(Data Processing Manager) Plan, direct, or coordinate such fields as electronic data processing, information systems and computer programming.														
analysis, and computer programming.	11-3021													
Financial Managers -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
(Controller) Plan, direct, and coordinate accounting, invinsurance, securities, and other financial activities of a bradepartment of an establishment.														
	11 0001													
Compensation and Benefits Managers - Plan, direct, or coordinate compensation and benefits acti		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
of an organization. Include job analysis and position desc managers.	ription													
	11-3041													
Purchasing Managers -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
(Procurement Manager) Plan, direct, or coordinate the buyers, purchasing officers, and related workers involved materials, products, and services.	in purchasing													
	11-3061													
Engineering Managers -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Plan, direct, or coordinate activities in such fields as archi engineering or research and development in these fields.	itecture and 11-9041													

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES					_	_			-	TED WA	_			
DESCRIPTION OF DETER		Α	В	С	D	E	F	G	Н	- 1	J	K	L	Т
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -	\$45.25 -	\$57.00 -	\$71.50 -	\$90.00	
	time or full-time)	\$9.25	11.49	14.49	18.24	22.74	28.74	35.99	45.24	56.99	71.49	89.99	and over	Total
	Annual Salary	under	\$19,240 -	\$23,920 -	\$30,160 -	\$37,960 -	\$47,320 -	\$59,800 -	\$74,880			\$148,720		Employme
	(full-time only)	\$19,240	23,919	30,159	37,959	47,319	59,799	74,879	94,119	118,559	- 148,719	- 187,199	and over	
Natural Sciences Managers -		Α	В	С	D	Е	F	G	Н		J	K	L	Т
Plan, direct, or coordinate activities in such fields as life	sciences	_ A	В		D		F	G		'	3	K	_	•
physical sciences, mathematics, statistics, and research														
development in these fields.	ana													
	11-9121													
	11-3121			L				L		L	L			
usiness and Financial Operatio	ns Occupa	ation	ıs											
Purchasing Agents, Except Wholesale, Retail, and F		Α	В	С	D	E	F	G	Н	I	J	K	L	T
Purchase machinery, equipment, tools, parts, supplies,														
necessary for the operation of an establishment. Purcha														
inished materials for manufacturing. Include contract sp														
contractors, purchasers, price analysts, tooling coordina	tors, and media													
ouyers.														
	13-1023													
	•													
Compliance Officers, Except Agriculture, Constructi	on, Health and	Α	В	С	D	E	F	G	н		J	к	L	т
Safety, and Transportation -		^		Ü	J	_	•	Ğ		'	J	K	_	•
Examine, evaluate, and investigate eligibility for or confo														
and regulations governing contract compliance of licens														
and other compliance and enforcement inspection activi	ties not classified													
elsewhere.														
	13-1041													
	•													
Cost Estimators -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Prepare cost estimates for product manufacturing, cons														
or services to aid management in bidding on or determine	ing price of													
product or service.														
	13-1051													
S				C	D	l E	F	G	l H		J			Т
Compensation, Benefits, and Job Analysis Specialis		Α	В	C	U		Г	G	п		J	K	L	
Compensation, Benefits, and Job Analysis Specialis Conduct programs of compensation and benefits and job employer.		A	В	C	D		Г	G	-		J	N.		

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES											GE RAI			
		Α	В	С	D	E	F	G	Н	ı	J	K	L	Т
	Hourly (part- time or full-time)	under \$9.25	\$9.25 - 11.49	\$11.50 - 14.49	\$14.50 - 18.24	\$18.25 - 22.74	\$22.75 - 28.74	\$28.75 - 35.99	\$36.00 - 45.24	\$45.25 - 56.99	\$57.00 - 71.49	\$71.50 - 89.99	\$90.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 23,919	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879			\$118,560 - 148,719			Employment
Training and Development Specialists -		Α	В	С	D	Е	F	G	Н		J	K	-	т
Conduct training and development programs for employe	es. 13-1073		В					G	п	•	3	K	_	•
		-												
Management Analysts - (Business Consultant) Conduct organizational studies evaluations, design systems and procedures, conduct we simplifications and measurement studies, and prepare op procedures manuals.	ork	A	В	С	D	Е	F	G	Н	ı	J	К	L	Т
Accountants and Auditors - Examine, analyze, and interpret accounting records for the giving advice or preparing statements. Install or advise or recording costs or other financial and budgetary data.		Α	В	С	D	E	F	G	H	I	J	К	L	Т
				_										
Financial Analysts - Conduct quantitative analyses of information affecting inv programs of public or private institutions.	vestment 13-2051	A	В	С	D	Е	F	G	Н	-	J	К	L	T
Computer and Mathematical Occ	cupations													
Computer and Information Scientists, Research - Conduct research into fundamental computer and informatheorists, designers, or inventors. Solve or develop soluti in the field of computer hardware and software.		Α	В	С	D	Е	F	G	Н	I	J	К	L	Т

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES				ı							GE RAI			
		Α	В	С	D	E	F	G	н	- 1	J	K	L	Т
	Hourly (part- time or full-time)	under \$9.25	\$9.25 - 11.49	\$11.50 - 14.49	\$14.50 - 18.24	\$18.25 - 22.74	\$22.75 - 28.74	\$28.75 - 35.99	\$36.00 - 45.24	\$45.25 - 56.99	\$57.00 - 71.49	\$71.50 - 89.99	\$90.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 23,919	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879			\$118,560 - 148,719			Employment
	(run tillie orny)													_
Computer Programmers - Convert project specifications and statements of problem procedures to detailed logical flow charts for coding into language. Develop and write computer programs to store retrieve specific documents, data, and information. May sites.	computer e, locate, and program web	A	В	С	D	E	F	G	Н	1	J	К	L	T
	15-1021													
Computer Software Engineers, Applications - Develop, create, and modify general computer application specialized utility programs. Analyze user needs and devisolutions. Design software or customize software for clie aim of optimizing operational efficiency.	elop software	A	В	С	D	Е	F	G	Н	I	J	К	L	Т
	15-1031													
Computer Software Engineers, Systems Software -		Α	В	С	D	Е	F	G	н	l ı	J	К	1	Т
Research, develop, and test operating systems-level sof and network distribution software. Set operational specif formulate and analyze software requirements. Apply printechniques of computer science, engineering, and mathe analysis.	cations and	_^_		<u> </u>			•	<u> </u>			J	, ,		·
Computer Support Specialists -		Α	В	С	D	Е	F	G	н	ı	J	K	L	Т
(Help Desk Representative) Provide technical assistant system users. Answer questions or resolve computer proclients.														

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES											GE RAI			
		Α	В	С	D	E	F	G	Н	I	J	K	L	T
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -	\$45.25 -	\$57.00 -	\$71.50 -	\$90.00	
	time or full-time)	\$9.25	11.49	14.49	18.24	22.74	28.74	35.99	45.24	56.99	71.49	89.99	and over	Total Employment
	Annual Salary (full-time only)	under \$19,240	\$19,240 -	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879	\$74,880 - 94 119	\$94,120 -	\$118,560 - 148 719	\$148,720 - 187,199	\$187,200	Employment
	(luii-tiirle orliy)	ψ13,240	20,515	50,155	01,000	47,010	00,700	14,013	J4,113	110,000	140,713	107,133	and over	
Computer Systems Analysts -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Analyze data processing problems for application to electrocessing systems. Analyze user requirements, processing systems.														
problems to automate or improve existing systems and i														
system capabilities, workflow, and scheduling limitations														
	15-1051													
Database Administrators -		Α	В	С	D	_	F	•	Н		J	V		Т
Coordinate changes to computer databases, test and im	nlement the	Α	В	C	U	Е	r	G	п		J	K	L	
database applying knowledge of database management	•													
	,													
	15-1061													
Network and Computer Systems Administrators -		Α	В	С	D	Е	F	G	Н		J	K	1	т
(LAN/WAN Administrator) Install, configure, and supp	ort an	A	В	C	U		Г	G	П	•	J	r.	L	
organization's local area network (LAN), wide area netw														
Internet system or a segment of a network system. Mair	tain and monitor													
network hardware and software to ensure network available	ability to all													
system users.														
	15-1071													
Network Systems and Data Communications Analys	ts -	Α	В	С	D	Е	F	G	Н	T	J	К	L	Т
(Internet Developer, Webmaster) Analyze, design, ar			_		-			-		-	_			
network systems, such as local area networks (LAN), wi														
(WAN), and Internet. Perform network modeling, analysis														
Research and recommend network and data communication and software. Include telecommunications specialists where the communication is specialists and software.														
interfacing of computer and communications specialists wi														
g 27 companies and communication oquipment														
	15 1001													
	15-1081													

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES					_	_	_	_	-		GE RAI			
DESCRIPTION OF BOTTLES		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -	\$45.25 -	\$57.00 -	\$71.50 -	\$90.00	
	time or full-time)	\$9.25	11.49	14.49	18.24	22.74	28.74	35.99	45.24	56.99	71.49	89.99	and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 23,919	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879				\$148,720 - 187,199		Employment
	(full-time only)	\$19,240	23,919	30,139	37,939	47,319	39,799	74,079	94,119	110,559	- 140,719	- 107,199	and over	
Mathematicians -		Α	В	С	D	Е	F	G	Н	I	J	K	L	T
Conduct research in fundamental mathematics or in app mathematical techniques to science, management, and or														
manomatoa toomiquoo to oolonoo, managomoni, ana	outer morde.													
	15-2021													
Operations Research Analysts -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Formulate and apply mathematical modeling and other o														
methods using a computer to develop and interpret infor assists management with decision making, policy formul														
managerial functions.	allori, or other													
	15-2031	-												
	10 2001			L										
Statisticians -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Engage in the development of mathematical theory or ap														
theory and methods to collect, organize, interpret, and su	ummarize													
numerical data to provide usable information.	45.0044													
	15-2041													
Mathematical Technicians -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Apply standardized mathematical formulas, principles, a														
to technological problems in engineering and physical so														
relation to specific industrial and research objectives, pro	ocesses,													
equipment, and products.														
	15-2091													
rchitecture and Engineering O	ccupations	S												
Aerospace Engineers -	-	Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Perform a variety of engineering work in designing, cons	tructing, and													
testing aircraft, missiles, and spacecraft.	3 .													
	17-2011	1												

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES					(Repor	t Part-ti	me Wor	kers Ac	cording		GE RAI	Rate)		
		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
	Hourly (part- time or full-time)	under \$9.25	\$9.25 - 11.49	\$11.50 - 14.49	\$14.50 - 18.24	\$18.25 - 22.74	\$22.75 - 28.74	\$28.75 - 35.99	\$36.00 - 45.24	\$45.25 - 56.99	\$57.00 - 71.49	\$71.50 - 89.99	\$90.00 and over	Total
	Annual Salary	under	\$19,240 -	\$23,920 -	\$30,160 -	\$37,960 -	\$47,320 -	\$59,800 -	\$74,880 -	\$94,120 -	\$118,560		\$187,200	Employment
	(full-time only)	\$19,240	23,919	30,159	37,959	47,319	59,799	74,879	94,119	118,559		- 187,199		
Biomedical Engineers -		Α	В	С	D	Е	F	G	Н		J	K	L	Т
Apply knowledge of engineering, biology, and biomechal the design, development, and evaluation of biological an systems and products, such as artificial organs and med systems.	d health				-		·	-		·	-			
Chemical Engineers -		Α	В	С	D	Е	F	G	н	1	J	K	1	т
Design chemical plant equipment and devise processes manufacturing chemicals and products by applying princ technology of chemistry, physics, and engineering.			, D	U	D	L	•	Ū.			J	K		
Computer Hardware Engineers -		Α	В	С	D	Е	F	G	н	1	J	K	1	Т
Research, design, develop, and test computer or compute equipment for commercial, industrial, military, or scientifications and test computer or compu			_		-	_					,			
Electrical Engineers -		Α	В	С	D	Е	F	G	Н			K		т
Design, develop, test, or supervise the manufacturing an electrical equipment, components, or systems for commonilitary, or scientific use.			5	, c	J		·	J			Ů	K	-	·
Electronics Engineers, Except Computer -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Research, design, and test electronic components and s knowledge of electronic theory and materials properties. electronic circuits and components for use in fields, such telecommunications, aerospace guidance and propulsion acoustics, or instruments and controls.	Design as													

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES				_							GE RAI			
DESCRIPTION OF DUTIES		Α	В	С	D	E	F	G	Н	I	J	K	L	T
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -	\$45.25 -	\$57.00 -	\$71.50 -	\$90.00	
	time or full-time)	\$9.25	11.49	14.49	18.24	22.74	28.74	35.99	45.24	56.99	71.49	89.99	and over	Total Employment
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 23,919	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879	\$74,880 - 94,119	\$94,120 - 118.559	\$118,560 - 148,719	\$148,720 - 187,199		Linployment
	(rail tillio orliy)	, , ,	- /	,	,,,,,,			,	- , -		-, -			
Environmental Engineers - Design, plan, or perform engineering duties in the prever and remediation of environmental health hazards utilizing engineering disciplines.		Α	В	С	D	Е	F	G	Н	I	J	К	L	Т
	17-2081													
Industrial Engineers -		Α	В	С	D	Е	F	G	Н		J	K		т
(Industrial Quality Control Engineer) Design, develop	test and	A	Ь	C	U		Г	G	П	•	J	- K	L	
evaluate integrated systems for managing industrial proc processes including human work factors, quality control, control, logistics and material flow, cost analysis, and pro coordination.	luction inventory													
Mechanical Engineers -		Α	В	С	D	Е	F	G	Н		J	K	1	Т
Perform engineering duties in planning and designing too machines, and other mechanically functioning equipmen		*					•				J			
Nuclear Engineers -		_	В	С	D	Е	F	G	Н		J	K		Т
Conduct research on nuclear engineering problems or all and theory of nuclear science to problems concerned with control, and utilization of nuclear energy and nuclear was	h release,	A	В	C	D			G	П	ı	J	K		
Electrical and Electronic Engineering Technicians -		Α	В	С	D	Е	F	G	н	ı	J	K	L	Т
Apply electrical and electronic theory and related knowle under the direction of engineering staff, to design, build, and modify electrical components, circuitry, controls, and use by engineering staff.	repair, calibrate,	, ,	_	J							Ç		-	

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES				-							GE RAI			
DESCRIPTION OF DUTIES		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
	Hourly (part- time or full-time)	under \$9.25	\$9.25 - 11.49	\$11.50 - 14.49	\$14.50 - 18.24	\$18.25 - 22.74	\$22.75 - 28.74	\$28.75 - 35.99	\$36.00 - 45.24	\$45.25 - 56.99	\$57.00 - 71.49	\$71.50 - 89.99	\$90.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 23,919	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879			\$118,560 - 148,719			Employment
	(run tillio orny)													
Mechanical Engineering Technicians - Apply theory and principles of mechanical engineering to develop, and test machinery and equipment under direct engineering staff or physical scientists.	ion of	A	В	С	D	Е	F	G	Н	1	J	К	L	T
	17-3027													
Life, Physical, and Social Science	e Occupati	ons												
Animal Scientists -	o coupue	A	В	С	D	Е	F	G	Н	I	J	K	L	Т
Conduct research in the genetics, nutrition, reproduction development of domestic farm animals.	, growth, and													
	19-1011													
Food Scientists and Technologists -		Α	В	С	D	E	F	G	Н	ı	J	K	L	Т
Use chemistry, microbiology, engineering, and other scie the principles underlying the processing and deterioration analyze food content to determine levels of vitamins, fat, protein; discover new food sources; research ways to ma foods safe, palatable, and healthful; and apply food scier to determine best ways to process, package, preserve, sidistribute food.	n of foods; sugar, and ake processed nce knowledge													
	19-1012													
Soil and Plant Scientists -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Conduct research in breeding, physiology, production, yi management of crops and agricultural plants, their growt control of pests; or study the chemical, physical, biologic mineralogical composition of soils as they relate to plant May classify and map soils and investigate effects of alte on soil and crop productivity.	h in soils, and al, and or crop growth.													
	13 1013													
Biochemists and Biophysicists -	of Division and Di	Α	В	С	D	Е	F	G	Н	I	J	K	L	T
Study the chemical composition and physical principles organisms, their electrical and mechanical energy, and rephenomena.														

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES				l	_	R OF El t Part-tii	_	_	-		_			
		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -	\$45.25 -	\$57.00 -	\$71.50 -	\$90.00	
	time or full-time)	\$9.25	11.49	14.49	18.24	22.74	28.74	35.99	45.24	56.99	71.49	89.99	and over	Total
	Annual Salary	under	\$19,240 -	\$23,920 -	\$30,160 -	\$37,960 -	\$47,320 -	\$59,800 -	\$74.880 -	\$94,120 -	\$118.560	\$148.720	\$187.200	Employment
	(full-time only)	\$19,240		30,159	37,959	47,319	59,799	74,879		118,559				
Microbiologists -		Α	В	С	D	E	F	G	Н	1	J	K	1	т
(Cytologist) Investigate the growth, structure, developmental characteristics of microscopic organisms, such as bacter fungi.		·						J						·
Zoologists and Wildlife Biologists -		Α	В	С	D	Е	F	G	н		J	К		Т
Study the origins, behavior, diseases, genetics, and life panimals and wildlife.	rocesses of 19-1023	A	Б	U	Б		-	G	П	'	J	K		
Epidemiologists -		Α	В	С	D	Е	F	G	н		J	K		Т
Investigate and describe the determinants and distributio disability, and other health outcomes and develop the me		A	В		D		F	G	п	•	J	K		
prevention and control.	19-1041													
Medical Scientists, Except Epidemiologists -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
(Pharmacologist) Conduct research dealing with the ur human diseases and the improvement of human health. clinical investigation or other research, production, technical activities.	Engage in													
Astronomers -		Α	В	С	D	E	F	G	Н	J	J	K	L	Т
Observe, research, and interpret celestial and astronomic to increase basic knowledge and apply such information problems.						_								
Physicists -		Α	В	С	D	Е	F	G	Н		J	K	L	Т
Conduct research into the phases of physical phenomena theories and laws on the basis of observation and experi devise methods to apply laws and theories to industry an	ments, and													

OCCUPATIONAL TITLE AND				l	NUMBE	R OF E	MPLOYI	EES IN	SELEC1	TED WA	GE RAI	NGES		
DESCRIPTION OF DUTIES			1		(Repor	t Part-ti	me Wor	kers Ac	cording	to an I	lourly F	Rate)		
		Α	В	С	D	E	F	G	Н	I	J	K	L	T
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -	\$45.25 -	\$57.00 -	\$71.50 -	\$90.00	
	time or full-time)	\$9.25	11.49	14.49	18.24	22.74	28.74	35.99	45.24	56.99	71.49	89.99	and over	Total Employment
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 23,919	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879		\$94,120 - 118,559	\$118,560 - 148 719	\$148,720 - 187,199		Linployment
	(luil-tillie Offiy)	ψ10, 2 10	20,010	00,100	01,000	17,010	00,700	7 1,070	01,110	110,000	1 10,7 10	107,100	and over	
Atmospheric and Space Scientists -		Α	В	С	D	E	F	G	Н		J	K		т
(Meteorologist) Investigate atmospheric phenomena a	nd interpret					_	•	G	- "	•	J	K	_	•
meteorological data gathered by surface and air stations														
radar to prepare reports and forecasts for public and oth														
	19-2021													
Chemists -			В	С	D	E	F	G	Н	,	J	V		т
Conduct qualitative and quantitative chemical analyses of	or chemical	Α	В	C	U	_ E	Г	G	п	•	J	K	L	'
experiments in laboratories for quality or process control														
new products or knowledge.														
	19-2031	1												
Materials Scientists -	. , .	Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Research and study the structures and chemical propert														
natural and manmade materials. Determine ways to stre combine materials or develop new materials with new or														
properties for use in a variety of products and application														
1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1														
	19-2032	ł												
	10 2002			L										
Environmental Scientists and Specialists, Including		Α	В	С	D	E	F	G	Н	ı	J	K	L	T
Conduct research or perform investigation for the purpos														
abating, or eliminating sources of pollutants or hazards the environment or the health of the population. Utilizing														
various scientific disciplines may collect, synthesize, stud														
take action based on data derived from measurements of														
	0000													
	19-2041													
	13-2041													
Market Research Analysts -		Α	В	С	D	Е	F	G	Н	I	J	K	L	T
Research market conditions in local, regional, or national	l areas to													
determine potential sales of a product or service.														
	19-3021													

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES				ı			MPLOY me Wor							
		Α	В	С	D	E	F	G	Н	I	J	K	L	Т
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -	\$45.25 -	\$57.00 -	\$71.50 -	\$90.00	
	time or full-time)	\$9.25	11.49	14.49	18.24	22.74	28.74	35.99	45.24	56.99	71.49	89.99	and over	Total
	Annual Salary	under	\$19,240 -	\$23,920 -	\$30,160 -	\$37,960 -	\$47,320 -	\$59,800 -				\$148,720		Employment
	(full-time only)	\$19,240	23,919	30,159	37,959	47,319	59,799	74,879	94,119	118,559	- 148,719	- 187,199	and over	
Survey Researchers -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	T
(Pollster) Design or conduct surveys. May supervise intended the survey in person or over the telephone.	erviewers who													
portion of ever the telephone.	19-3022													
Industrial-Organizational Psychologists -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Apply principles of psychology to personnel, administration management, sales, and marketing problems. Activities repolicy planning; employee screening, training and develogranizational development and analysis.	nay include													
Sociologists -		Α	В	С	D	E	F	G	н		J	K		-
Study human society and social behavior by examining the social institutions that people form, as well as various social political, and business organizations.			Б	C	D	E	,	G		•	3	K		·
Anthropologists and Archeologists -		Α	В	С	D	Е	F	G	Н	- 1	J	K	- 1	т
Study the origin, development, and behavior of humans. way of life, language, or physical characteristics of existir various parts of the world.			D	U	D	L	•	G		•	3	K		·
Political Scientists -		Α	В	С	D	E	F	G	Н	1	J	K		т
Study the origin, development, and operation of political s Research a wide range of subjects, such as relations bet States and foreign countries, the beliefs and institutions of nations, or the politics of towns or cities.	ween the United		Б		U	_		G	П	,	3	K	L	·

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES				_				EES IN :						
		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -	\$45.25 -	\$57.00 -	\$71.50 -	\$90.00	
	time or full-time) Annual Salary	\$9.25	11.49	14.49	18.24	22.74	28.74	35.99	45.24	56.99	71.49	89.99	and over \$187,200	Total Employment
	(full-time only)	under \$19,240	\$19,240 - 23,919	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879	\$74,880 - 94,119	\$94,120 - 118,559		\$148,720 - 187,199		Linploymon
	(_		_		_		_		_			_	_
Agricultural and Food Science Technicians - Work with agricultural scientists in food, fiber, and animal	rosoarch	Α	В	С	D	E	F	G	Н	ı	J	K	L	Т
production, and processing; assist with animal breeding a														
work; under supervision, conduct tests and experiments t														
and quality of crops or to increase the resistance of plant	s and animals to													
disease or insects.														
	19-4011													
Biological Technicians -		Α	В	С	D	Е	F	G	Н		J	K	L	Т
Assist biological and medical scientists in laboratories. So and maintain laboratory instruments and equipment, more experiments, make observations, and calculate and recommendations.	nitor rd results.													
Chemical Technicians -	19-4021	A	В	С	D	Е	F	G	Н	ı	.J	К	-	Т
(Assayer) Conduct chemical and physical laboratory test scientists in the analyses of solids, liquids, and gaseous involves experimental, theoretical, or practical application and related sciences.	materials. Work	_ ^	<u> </u>	C	D		•	0			3	K		
Social Science Research Assistants -		Α	В	С	D	Е	F	G	н		J	K	1	Т
Assist social scientists in laboratory, survey, and other so May perform publication activities, laboratory analysis, que data management. Normally these individuals work unde supervision of a social scientist and assist in those activity more routine. Exclude "Graduate Teaching Assistants" (2 both teach and do research.	uality control, or r the direct ies which are	A			U	E	F	3	п		J	N.		

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES											AGE RAI Hourly I			
		Α	В	С	D	Е	F	G	Н	- 1	J	K	L	Т
	Hourly (part- time or full-time)	under \$9.25	\$9.25 - 11.49	\$11.50 - 14.49	\$14.50 - 18.24	\$18.25 - 22.74	\$22.75 - 28.74	\$28.75 - 35.99	\$36.00 - 45.24	\$45.25 - 56.99	\$57.00 - 71.49	\$71.50 - 89.99	\$90.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 23,919	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879			- \$118,560 - 148,719			Employment
	, , , , , , , , , , , , , , , , , , , ,								1					_
Forensic Science Technicians - Collect, identify, classify, and analyze physical evidence is criminal investigations. Perform tests on weapons or subsas fiber, hair, and tissue to determine significance to inve	stances, such	A	В	С	D	Е	F	G	Н	1	J	К	L	Т
	19-4092													
Legal Occupations Lawyers - Represent clients in criminal and civil litigation and other proceedings, draw up legal documents, and manage or a legal transactions.	dvise clients on 23-1011	Α	В	С	D	Е	F	G	Н	ı	J	К	L	Т
Education, Training, and Library	Occupati	ions												
Librarians - Administer libraries and perform related library services. Variety of settings, including public libraries, schools, colle universities, museums, corporations, government agencie non-profit organizations, and healthcare providers.	eges and	A	В	С	D	Е	F	G	Н	I	J	К	L	Т
	25-4021													
Arts, Design, Entertainment, Spo	orts, and N	Иedi	a Oc	cupa	tion	S								
Graphic Designers -		Α	В	C	D	Е	F	G	Н	I	J	K	L	Т
(Graphic Artist) Design or create graphics to meet a clicommercial or promotional needs, such as packaging, dis														

27-1024

Hourly (part-time or full-time) A B C D E F G H I J K L L Hourly (part-time or full-time) Sp.25 S115.0 S14.50 S18.50 S18.50 S2.75 S2.75 S3.50.0 S45.25 S7.00 S77.50 S70.00 S70.0	OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES					_	-			-		GE RAI			
time or full-time) 39.25 11.49 14.49 12.42 22.74 23.74 35.99 45.24 56.99 71.49 89.99 and over full-time only full-time only full-time only structure in the full time only full-time only full-time only structure in the full-time only structure in the full-time only full-time only full-time only structure in the full-time only full-ti			Α	В	С	D	E	F	G	н	1	J	K	L	Т
Annual Salary (full-time only) step 240 (23,919 30,159 30,															Total
Public Relations Specialists - Engage in promoting or creating good will for individuals, groups, or organizations by writing or selecting favorable publicity material and releasing it through various communications media. May prepare and arrange displays, and make speeches. 27-3031 Technical Writers - Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work. 27-3042 Writers and Authors - Originate and prepare written material, such as scripts, stories, advertisements, and other material. 27-3043 IEalthcare Support Occupations Veterinary Assistants and Laboratory Animal Caretakers - 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. 31-9096 Protective Service Occupations Security Guards - Guard, patrol, or monitor premises to prevent theft, violence, or		Annual Salary			. ,										Employmen
Engage in promoting or creating good will for individuals, groups, or organizations by writing or selecting favorable publicity material and releasing it through various communications media. May prepare and arrange displays, and make speeches. 27-3031 A B C D E F G H I J K L Technical Writers - Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work. 27-3042 Writers and Authors - Originate and prepare written material, such as scripts, stories, advertisements, and other material. 27-3043 A B C D E F G H I J K L Technical Mriters - Writers and Authors - Originate and prepare written material, such as scripts, stories, advertisements, and other material. 27-3043 Tealthcare Support Occupations Veterinary Assistants and Laboratory Animal Caretakers - 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. 31-9096 Trotective Service Occupations Security Guards - Guard, patrol, or monitor premises to prevent theft, violence, or		(ran time orny)				_								_	
Writer echnical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work. 27-3042 Writers and Authors - Originate and prepare written material, such as scripts, stories, advertisements, and other material. 27-3043 Realthcare Support Occupations Veterinary Assistants and Laboratory Animal Caretakers - 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. 31-9096 Rotective Service Occupations Security Guards - Guard, patrol, or monitor premises to prevent theft, violence, or	Engage in promoting or creating good will for individuals, organizations by writing or selecting favorable publicity materials. May releasing it through various communications media.	aterial and prepare and	Α	В	С	D	Е	F	G	н	!	J	К	L	-
Writer echnical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work. 27-3042 Writers and Authors - Originate and prepare written material, such as scripts, stories, advertisements, and other material. 27-3043 Realthcare Support Occupations Veterinary Assistants and Laboratory Animal Caretakers - 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. 31-9096 **Recurity Guards - Guard, patrol, or monitor premises to prevent theft, violence, or	Tochnical Writers		Λ.	В		_	-	F	<u> </u>	ш		1	V	-	т
Originate and prepare written material, such as scripts, stories, advertisements, and other material. 27-3043 Calthcare Support Occupations		out work.													
Originate and prepare written material, such as scripts, stories, advertisements, and other material. 27-3043 Cealthcare Support Occupations	Writers and Authors -	_	Α	В	С	D	E	F	G	н	l 1	J	К	L	Т
Realthcare Support Occupations Veterinary Assistants and Laboratory Animal Caretakers - Feed, water, and examine pets and other nonfarm animals for signs of liness, disease, or injury in laboratories and animal hospitals and clinics. Clean and disinfect cages and work areas, and sterilize laboratory and surgical equipment. 31-9096 Totective Service Occupations Security Guards - Guard, patrol, or monitor premises to prevent theft, violence, or	Originate and prepare written material, such as scripts, s	tories,		_											
Veterinary Assistants and Laboratory Animal Caretakers - 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. 31-9096 Totective Service Occupations Security Guards - Guard, patrol, or monitor premises to prevent theft, violence, or		27-3043													
rotective Service Occupations Security Guards - Guard, patrol, or monitor premises to prevent theft, violence, or	ealthcare Support Occupations														
Illness, disease, or injury in laboratories and animal hospitals and clinics. Clean and disinfect cages and work areas, and sterilize laboratory and surgical equipment. 31-9096 Totective Service Occupations Security Guards - Guard, patrol, or monitor premises to prevent theft, violence, or			Α	В	С	D	Е	F	G	Н	ı	J	K	L	T
rotective Service Occupations Security Guards - A B C D E F G H I J K L Guard, patrol, or monitor premises to prevent theft, violence, or	Ilness, disease, or injury in laboratories and animal hosp Clean and disinfect cages and work areas, and sterilize I	itals and clinics. aboratory and													
Security Guards - Guard, patrol, or monitor premises to prevent theft, violence, or	rotoctivo Sorvico Occupations	31-9096													
Guard, patrol, or monitor premises to prevent theft, violence, or				В	l c	D	_	_	G	ш			K		т
intractions of rules.	· · · · · · · · · · · · · · · · · · ·	·	А	В		U	E	Г	G	П		J	N.	L	ı

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES					_	_		_	-		GE RAI			
DESCRIPTION OF BUTTES		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -	\$45.25 -	\$57.00 -	\$71.50 -	\$90.00	
	time or full-time)	\$9.25	11.49	14.49	18.24	22.74	28.74	35.99	45.24	56.99	71.49	89.99	and over	Total
	Annual Salary	under	\$19,240 - 23,919	\$23,920 -	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879	\$74,880 -	\$94,120 -	\$118,560 - 148,719		\$187,200	Employment
	(full-time only)	\$19,240	23,919	30,159	37,959	47,319	59,799	74,879	94,119	118,559	- 148,719	- 187,199	and over	
Building and Grounds Cleaning	and Maint	enai	ice C)ccuj	patio	ns								
Janitors and Cleaners, Except Maids and Housekeep	oing Cleaners -	Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Keep buildings in clean and orderly condition. Perform h	_													
duties, such as cleaning floors, shampooing rugs, washi														
glass, and removing rubbish. Duties may include tending	g furnace and													
boiler.														
	37-2011													
Sales and Related Occupations First-Line Supervisors/Managers of Non-Retail Sales Directly supervise and coordinate activities of sales work		Α	В	С	D	E	F	G	Н	I	J	К	L	Т
retail sales workers. May perform duties, such as budge personnel work. These workers have other employees reto them.	ting and													
Sales Representatives, Wholesale and Manufacturin and Scientific Products -	g, Technical	Α	В	С	D	E	F	G	н	ı	J	К	L	Т
Sell goods for wholesalers or manufacturers where tech knowledge is required in such areas as biology, enginee and electronics, normally obtained from at least 2 years secondary education.	ring, chemistry,													
	•	49	_											
Office and Administrative Suppo		tion	S											
First-Line Supervisors/Managers of Office and Admi Support Workers -	nistrative	Α	В	С	D	E	F	G	Н	I	J	К	L	Т
Supervise and coordinate the activities of clerical and ac support workers. These workers have other employees to them.	reporting directly													
	43-1011													

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES						R OF EI t Part-tii								
DESCRIPTION OF BUILDS		Α	В	С	D	Е	F	G	Н	- 1	J	K	L	Т
	Hourly (part- time or full-time)	under \$9.25	\$9.25 - 11.49	\$11.50 - 14.49	\$14.50 - 18.24	\$18.25 - 22.74	\$22.75 - 28.74	\$28.75 - 35.99	\$36.00 - 45.24	\$45.25 - 56.99	\$57.00 - 71.49	\$71.50 - 89.99	\$90.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 23,919	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879	\$74,880 - 94,119	\$94,120 - 118,559		\$148,720 - 187,199		Employment
Bill and Account Collectors -		Α	В	С	D	Е	F	G	Н		J	K	L	Т
Locate and notify customers of delinquent accounts by mor personal visit to solicit payment. Duties include receiving posting amount to customers' account; preparing statemedepartment if customer fails to respond; initiating reposses proceedings or service disconnection.	ng payment and ents to credit		J											•
Bookkeeping, Accounting, and Auditing Clerks -		Α	В	С	D	Е	F	G	Н	_	J	K	L	т
Compute, classify, and record numerical data to keep fin complete. Perform any combination of routine calculating verifying duties to obtain primary financial data for use in accounting records.	, posting, and		, s	J		-		0			•	, K	-	·
Payroll and Timekeeping Clerks -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Compile and post employee time and payroll data. May paychecks.	vepare 43-3051													
Interviewers, Except Eligibility and Loan -		Α	В	С	D	Е	F	G	н		J	К	L	Т
(Admitting Clerk) Interview persons by telephone, mail by other means for the purpose of completing forms, appropriate questionnaires. Ask specific questions, record answers, appersons with completing form.	lications, or			3	J	-	•	3			Ů,	, ,		·
Human Resources Assistants, Except Payroll and Til	nekeeping -	Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
(Personnel Clerk) Compile and keep personnel records for each employee, such as address, weekly earnings, a date of and reason for termination. Compile and type repemployment records. Search employee files and furnish authorized persons.	s. Record data osences, and orts from													

OCCUPATIONAL TITLE AND				I	_	R OF EI	_	_			_			
DESCRIPTION OF DUTIES		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
	Hourly (part- time or full-time)	under \$9.25	\$9.25 - 11.49	\$11.50 - 14.49	\$14.50 - 18.24	\$18.25 - 22.74	\$22.75 - 28.74	\$28.75 - 35.99	\$36.00 - 45.24	\$45.25 - 56.99	\$57.00 - 71.49	\$71.50 - 89.99	\$90.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 23,919	\$23,920 - 30,159	- \$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879			\$118,560 - 148,719			Employment
Receptionists and Information Clerks -		Α	В	С	D	Е	F	G	Н	ı	J	K	ı	т
Answer inquiries and obtain information for general publivisitors, and other interested parties. Provide information activities conducted at establishment; location of departr and employees within organization.	regarding					_							_	·
Production, Planning, and Expediting Clerks -		Α	В	С	D	E	F	G	Н			K		т
Coordinate and expedite the flow of work and materials of departments of an establishment according to production Duties include reviewing and distributing production, wor schedules; and compiling reports on progress of work, in costs, and production problems.	n schedule. k, and shipment			, c		L		0			3	K		·
Shipping, Receiving, and Traffic Clerks - Verify and keep records on incoming and outgoing shipn items for shipment. Duties include assembling, addressi and shipping merchandise or material; receiving, unpack and recording incoming merchandise or material; and ar transportation of products.	ng, stamping, ing, verifying	_ A	В	С	D	Е	F	G	н		J	К	L	'
Executive Secretaries and Administrative Assistants	-	Α	В	С	D	E	F	G	Н		J	K	L	Т
Provide administrative support by performing clerical and tasks. Higher-level executive assistants and administrati may also conduct independent projects and assume gre responsibilities.	d administrative ve assistants		_			_							_	
Secretaries, Except Legal, Medical, and Executive -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Perform clerical and routine administrative functions suc correspondence, scheduling appointments, filing, or provinformation.														

	OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES					_	_	_	_	-		GE RA			
	DESCRIPTION OF BETTES		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
		Hourly (part- time or full-time)	under \$9.25	\$9.25 - 11.49	\$11.50 - 14.49	\$14.50 - 18.24	\$18.25 - 22.74	\$22.75 - 28.74	\$28.75 - 35.99	\$36.00 - 45.24	\$45.25 - 56.99	\$57.00 - 71.49	\$71.50 - 89.99	\$90.00 and over	Total
		Annual Salary (full-time only)	under \$19,240	\$19,240 - 23,919	\$23,920 - 30,159	\$30,160 - 37,959	\$37,960 - 47,319	\$47,320 - 59,799	\$59,800 - 74,879	\$74,880 - 94,119		\$118,560 - 148,719			Employment
	Data Entry Keyers -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
	(Keypunch Operator) Operate data entry device, such photo composing perforator.	43-9021													
ا	Office Clerks, General -			В	С		E	F		Н		_			_
	Perform duties too varied and diverse to be classified in office clerical occupation, requiring limited knowledge of management systems and procedures. Clerical duties min accordance with the office procedures of individual estable.	office ay be assigned tablishments.	A			D			G				К	L	·
		43-9061													
	Statistical Assistants - Compile and compute data according to statistical formu statistical studies. May perform actuarial computations a charts and graphs for use by actuaries.		Α	В	С	D	Е	F	G	Н	I	J	К	L	Т
I	nstallation, Maintenance, and F	Repair Occ	upat	tions	3										
	Maintenance and Repair Workers, General -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
	(Maintenance Mechanic) Perform work involving the s more maintenance or craft occupations to keep machine equipment, or the structure of an establishment in repair	s, mechanical													

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES				ı							AGE RAI			
DESCRIPTION OF BUTTES		Α	В	С	D	Е	F	G	Н	ı	J	K	L	T
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -	\$45.25 -	\$57.00 -	\$71.50 -	\$90.00	
	time or full-time)	\$9.25	11.49	14.49	18.24	22.74	28.74	35.99	45.24	56.99	71.49	89.99	and over	Total
	Annual Salary			\$23,920 -							\$118,560			Employment
	(full-time only)	\$19,240	23,919	30,159	37,959	47,319	59,799	74,879	94,119	118,559	- 148,719	- 187,199	and over	
Production Occupations First-Line Supervisors/Managers of Production and Communication and Communicat	perating	A	В	С	D	Е	F	G	н	1	J	К	L	т
Workers -				ŭ			•	Ŭ		•	ŭ	- 1	_	
Supervise and coordinate the activities of production and														
workers, such as inspectors, precision workers, machine														
operators, assemblers, fabricators, and plant and system These workers have other employees reporting directly to														
These workers have other employees reporting directly to	o uleili.													
	E4 4044													
	51-1011													
Machinists -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	T
Set up and operate a variety of machine tools to produce	precision parts													
and instruments. Include precision instrument makers wh	o fabricate,													
modify, or repair mechanical instruments. May also fabric														
parts to make or repair machine tools or maintain industri	ial machines.													
	51-4041													
														Т
										Subto	otal			
										Empl	ovmen	ıt		

Report additional occupations on supplemental pages at the end of form.

Report additional occupations on supplemental pages at the end of form.

Instructions for Completing the Supplemental Page

Please use these supplemental pages to report employees whose occupations were not found on the preceding pages. Please write in each unique occupational title, a short description of duties, the number of employees found in each wage column, and the total employment for each occupation. Refer to pages ii and iii for detailed instructions on how to report by occupation, how to determine wages, and how to complete the report.

OCCUPATIONAL TITLE AND	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)													
DESCRIPTION OF DUTIES		Α	В	С	D	E	F	G	Н	I	J	K	L	Т
	Hourly (part- time or full-time)	under \$9.25	\$9.25 - 11.49	\$11.50 - 14.49	\$14.50 - 18.24	\$18.25 - 22.74	\$22.75 - 28.74	\$28.75 - 35.99	\$36.00 - 45.24	\$45.25 - 56.99	\$57.00 - 71.49	\$71.50 - 89.99	\$90.00 and over	Total
	Annual Salary	มช.25 under	\$19,240 -	\$23,920 -	\$30,160 -	\$37,960 -	\$47,320 -	\$59,800 -	\$74,880 -		\$118,560			Employment
	(full-time only)	\$19,240		30,159	37,959	47,319	59,799	74,879	94,119	118,559	- 148,719	- 187,199	and over	, ,
		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
_														
		Α	В	С	D	Е	F	G	н	ı	J	K	L	Т
		Į.												
		Α	В	С	D	Е	F	G	н	ı	J	K	L	Т
		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
_														
		Α	В	С	D	E	F	G	Н	ı	J	K	L	Т
FIPS Schedule Number NAICS Code FOR OFFICE		Unit Total Employment			Reviewed By		Date Reviewed			Subto	tal Emp pa			
USE ONLY										Total Employment identified on this form				

Instructions for Completing the Supplemental Page

Please use these supplemental pages to report employees whose occupations were not found on the preceding pages. Please write in each unique occupational title, a short description of duties, the number of employees found in each wage column, and the total employment for each occupation. Refer to pages ii and iii for detailed instructions on how to report by occupation, how to determine wages, and how to complete the report. If you need additional space to report the workers in your establishment, please photocopy this page.

OCCUPATIONAL TITLE AND		NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
DESCRIPTION OF DUTIES		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
	Hourly (part-	under	\$9.25 -	\$11.50 -	\$14.50 -	\$18.25 -	\$22.75 -	\$28.75 -	\$36.00 -		\$57.00 -	\$71.50 -	\$90.00	
	time or full-time) Annual Salary	\$9.25 under	11.49 \$19,240 -	14.49 \$23,920 -	18.24 \$30,160 -	22.74 \$37,960 -	28.74 \$47,320 -	35.99	45.24 \$74,880 -	56.99	71.49	89.99 \$148,720	and over	Total Employmen
	(full-time only)	\$19,240	23,919	30,159	37,959	47,319	59,799	74,879	94,119	118,559	- 148,719			
		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
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		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
														_
		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
		_	_	_	_			_		_	_		_	_
		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
<u> </u>		Α	В	С	D	Е	F	G	Н		J	K	L	Т
										-				
FIPS Schedule Number	NAICS Code	Unit Total Employment			Reviewed By Date Reviewed				Subtotal Employment - this					
FOR OFFICE											page			
USE ONLY									Total Employment identified					
										on this form				