OCCUPATIONAL EMPLOYMENT REPORT OF COMPUTER SYSTEMS DESIGN AND RELATED SERVICES (541500)

What this report is about: This form asks for information about the occupations and wages of the employees described in Item 3. Please complete Items 1 through 5 below. Next, please provide the information requested beginning on page 1 for the employees who received pay for the pay period that included the reference date printed in bold in Item 3. The instructions on pages ii and iii explain how to provide the requested information. For more on the OES program, including national, state, and metropolitan area employment and wage estimates by occupation, please see our website at http://www.bls.gov/OES.

ages ii and iii explain how to provide the requested information. For more on the OES program cupation, please see our website at http://www.bls.gov/OES .	n, including national, state, and metropolitan area employment and wage estimates by
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 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.	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. Please make any needed address corrections.
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 • Workers not covered by unemployment insurance Do all employees reported above work at one location? Yes No Enter number of locations
	Please tell us who to contact if we have questions about your data. Name:

Instructions for Reporting by Occupation

 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.
- Use the description of duties along with the job titles to determine where to place employees. Do not rely on job titles alone.
- Report apprentices and trainees in the job for which they are being trained.
 Report helpers separately because they are not in training for the occupation they are helping.
- Report part-time workers in the job they perform.
- Professionals who directly supervise other workers in professional occupations should be classified in the same occupation as the workers they supervise.
 For example, a drafter that supervises other drafters is classified as a drafter.
- Workers in Service, Sales, Office and Administrative, Forestry and Farming,
 Production, Maintenance, and Transportation occupations who spend 80 percent
 or more of their time performing supervisory duties should be reported as
 supervisors. Workers with supervisory duties who spend less than 80 percent of
 their time supervising should be reported with the workers they supervise.

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

Exclude as pay

- Attendance Bonus
- Back Pay
- Draw
- Holiday Bonus
- Holiday Premium Pay
- Jury Duty Pay
- Lodging Payments
- Meal Payments
- Merchandise Discounts
- Nonproduction Bonus
- On-call Pay
- Overtime Pay

- ac as pay
 - Perquisites
 - Profit Sharing Payment
 - Relocation Allowance
 - Severance Pay
 - Shift Differential
 - Stock Bonuses
 - Tool Allowance
 - Tuition Repayments
 - Uniform Allowance
 - Weekend Pay

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.

541500 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 TITLE A DESCRIPTION OF DUTIES						R OF E								
		Α	В	С	D	E	F	G	Н	ı	J	K	L	Т
	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	Employment
Accountants and Auditors - Exa and interpret accounting records giving advice or preparing statem	for the purpose of			1	2	3								6
	13-2011		L,											
												/		

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.

541500 iii

OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES

									to an H				
	Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74		\$100.00 and over	
Annual Salary (full-time only)	under \$19,240		\$24,440 - 30,679			\$49,920 - 62,919			\$101,920 - 128,959				Employment

Management Occupations

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

Managers in this section generally have other m	anagers/supervisors	s report	ang to t	nem.)										
Chief Executives -		Α	В	С	D	E	F	G	Н	I	J	K	L	T
Formulate policies and provide overall direction of prival organizations within guidelines set up by a board of dir governing body. Plan, direct, or coordinate operational help of subordinate executives and managers.	ectors or other													
General and Operations Managers -		Α	В	С	D	E	F	G	Н	I	J	K	L	T
Plan, direct, or coordinate the operations of public or p Responsibilities include formulating policies, managing planning the use of materials and human resources, but be classified in any one functional area of management Excludes First-Line Supervisors.	daily operations, and are too general to													
Marketing Managers -		Α	В	С	D	E	F	G	Н	I	J	K	L	T
Plan, direct, or coordinate marketing for products and s firm and identify potential customers. Develop pricing s of maximizing the firm's profits or share of the market v firm's customers are satisfied. Oversee product develo trends that indicate the need for new products and service.	trategies with the goal while ensuring the pment or monitor													
Sales Managers -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Plan, direct, or coordinate the distribution of a product customer. Establish sales territories, quotas, goals, and for sales representatives. Analyze sales statistics to de potential and inventory requirements and to monitor the customers.	d training programs termine sales													
Administrative Services Managers -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Plan, direct, or coordinate one or more administrative sorganization, such as records and information manage distribution, facilities planning and maintenance, and of Medical records administrators are included in "Medical Managers." Excludes "Purchasing Managers."	ment, mail ther support services.													

										ED WAC				
OCCUPATIONAL TITLE AND		Α	В	С	D	Е	F	G	Н	ı	J	K	L	T
DESCRIPTION OF DUTIES	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919		\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	Employmen
Computer and Information Systems Managers -		Α	В	С	D	E	F	G	Н	I	J	K	L	T
Plan, direct, or coordinate activities in such fields as el processing, information systems, systems analysis, an programming.														
	11-3021													
Financial Managers -		Α	В	С	D	Е	F	G	Н	I	J	К	L	Т
Plan, direct, or coordinate accounting, investing, banki securities, and other financial activities of a branch, off an establishment.	ng, insurance, ice, or department of													
	11-3031													
Human Resources Managers -		Α	В	С	D	Е	F	G	Н	I	J	K	L	T
Plan, direct, or coordinate human resources activities a organization. Excludes managers who primarily focus benefits or training and development.														
	11-3121													
Architectural and Engineering Managers -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Plan, direct, or coordinate activities in such fields as a engineering or research and development in these fiel Sciences Managers."	chitecture and ds. Excludes "Natural													
	11-9041													
Business and Financial Operations C	ccupations													
Purchasing Agents, Except Wholesale, Retail, and	Farm Products -	Α	В	С	D	Е	F	G	Н	I	J	K	L	T
Purchase machinery, equipment, tools, parts, supplies necessary for the operation of an establishment. Purch finished materials for manufacturing.	, or services nase raw or semi-													
	13-1023													
Human Resources Specialists -		Α	В	С	D	E	F	G	Н	I	J	К	L	Т
Perform activities in the human resource area. Include specialists who screen, recruit, interview, and place we "Compensation, Benefits, and Job Analysis Specialists Development Specialists."	orkers. Excludes													
	13-1071													

								EES IN S						
OCCUPATIONAL TITLE AND		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
DESCRIPTION OF DUTIES	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079			\$128,960 - 163,799	\$163,800 - 207,999		Employment
Logisticians - Analyze and coordinate the logistical functions of a firm Responsible for the entire life cycle of a product, includ distribution, delivery, and final disposal of resources. E: "Transportation, Storage, and Distribution Managers."	ing acquisition,	A	В	С	D	Е	F	G	Н	I	J	К	L	Т
	13-1001													
Management Analysts - Conduct organizational evaluations, design systems provided work simplification and measurement studies, and preparameter manuals to assist management in operating effectively. Includes program analysts and management excludes "Operations Research Analysts."	pare operations and g more efficiently and	<u>A</u>	В	С	D	Е	F	G	Н	I	J	К	L	Т
							_							
Compensation, Benefits, and Job Analysis Speciali Conduct programs of compensation and benefits and joe employer. May specialize in specific areas, such as post and pension programs.	ob analysis for sition classification	<u>A</u>	В	С	D	Е	F	G	Н	'	J	K		Т
	13-1141													
Training and Development Specialists - Design and conduct training and development program individual and organizational performance. May analyze		<u>A</u>	В	С	D	Е	F	G	Н	I	J	К	L	Т
Market Research Analysts and Marketing Specialist	ts -	Α	В	С	D	E	F	G	Н	ı	J	K	L	Т
Research local, regional, or national market conditions sales of a product or service, or create a marketing can information on competitors, prices, sales, and marketin survey results to create a marketing campaign based o preferences and buying habits.	to determine potential npaign. May gather g methods. May use													
Accountants and Auditors -		Α	В	С	D	E	F	G	н	I	J	K	L	Т
Analyze and interpret accounting records to prepare fin give advice, or audit and evaluate statements prepared advise on systems of recording costs or other financial Excludes "Tax Examiners and Collectors, and Revenue	l by others. Install or and budgetary data.													

									SELECT cording					
OCCUPATIONAL TITLE AND		Α	В	С	D	E	F	G	Н	ı	J	K	L	Т
DESCRIPTION OF DUTIES	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	Employment
Financial Analysts -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Conduct quantitative analyses of information affecting of public or private institutions.	investment programs													
	13-2051													
Computer and Mathematical Occupa	tions													
Computer and Information Research Scientists -		Α	В	С	D	E	F	G	Н	I	J	K	L	T
Conduct research into fundamental computer and infor theorists, designers, or inventors. Develop solutions to of computer hardware and software.														
	15-1111													
Computer Systems Analysts -		Α	В	С	D	E	F	G	н	I	J	K	L	Т
Analyze data processing problems to improve compute user requirements, procedures, and problems to autom existing systems and review computer system capabilischeduling limitations. May analyze or suggest comme software.	nate or improve ties, workflow, and													
Information Security Analysts -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Plan, implement, upgrade, or monitor security measure networks and information. May ensure security controls safeguard digital files and electronic infrastructure. May security breaches and viruses.	s are in place that													
Computer Draggement		A	В	С	D	E	F	G	Н		J	K	L	Т
Computer Programmers - Create, modify, and test computer applications code, for from specifications drawn up by software developers of user needs and design software solutions. May developrograms to store, locate, and retrieve specific document information.	r others. May analyze p and write computer				D		,	G	п	'	J	K	L	,
	10-1101													
Software Developers, Applications - Develop, create, and modify computer applications sof needs and develop software solutions. Design or custo the aim of optimizing efficiency. May analyze and design an application area. May supervise computer programments.	omize software with gn databases within	Α	В	С	D	Е	F	G	Н		J	К	L	Т

Hourity Support Supp						_	_	_	_	SELECT cording					
Computer databases. May place and extractions of full-time (part-time or full-time) Manual Stalary (full-time only) Manual Stalary (full-time) Manual Stalary (fu	OCCUPATIONAL TITLE AND		Α	В	С	D	Е	F	G	Н	I	J	K	L	T
Software Developers, Systems Software - Research, design, develop, and test operating systems-level software, compilers, and network distribution software. Set operational specifications and formulate and analyze software requirements. May design embedded systems software. 15-1133	DESCRIPTION OF DUTIES												\$78.75 - 99.99	\$100.00 and over	Total
Research, design, develop, and test operating systems-level software, compilers, and network distribution software. Set operational specifications and formulate and analyze software requirements. May design embedded systems software. 15-1133											\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	Employment
compilers, and network distribution software. Set operational specifications and formulate and analyze software requirements. May design embedded systems software. 15-1133	ware Developers, Systems Software -		Α	В	С	D	E	F	G	Н	I	J	K	L	T
Web Developers - Design, create, and modify Web sites. Analyze user needs to implement Web site content, graphics, performance, and capacity. May integrate Web sites with computer applications. Convert written, graphic, audio, and video components to compatible Web formats. Excludes "Multimedia Artists and Animators." 15-1134 Database Administrators - Administer, test, and implement computer databases. Coordinate changes to computer databases. May plan, coordinate, and implement security measures to safeguard computer databases. 15-1141 Network and Computer Systems Administrators - Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or segment of a network system. Ensure network availability. May monitor and test Web site performance. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures. 15-1142 Computer Network Architects - Design and implement computer databases. A B C D E F G H I J J K Computer Network Architects - Design and implement computer databases. A B C D E F G H I J J K Computer Support Specialists - A B C D E F G H I J J K Computer Support Specialists - A B C D E F G H I J J K	oilers, and network distribution software. Set opera formulate and analyze software requirements. May	tional specifications design embedded													
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Web site content, graphics, performance, and capacity. May integrate Web sites with computer applications. Convert written, graphic, audio, and video components to compatible Web formats. Excludes "Multimedia Artists and Animators." 15-1134 Database Administrators - Administer, test, and implement computer databases. Coordinate changes to computer databases. May plan, coordinate, and implement security measures to safeguard computer databases. 15-1141 Network and Computer Systems Administrators - Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or segment of a network system. Ensure network availability. My monitor and test Web site performance. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures. 15-1142 Computer Network Architects - Design and implement computer and information networks, such as local area networks (LAN), wide area networks (MAN), intranets, extranets, and other data communications networks. Perform network modeling, analysis, and planning. May also design network and computer security measures. 15-1143 Computer User Support Specialists - A B C D E F G H I J J K	Developers -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Database Administrators - Administer, test, and implement computer databases. Coordinate changes to computer databases. May plan, coordinate, and implement security measures to safeguard computer databases. 15-1141 Network and Computer Systems Administrators - Install, configure, and support an organization's local area network (LAN), wide area network availability. May monitor and test Web site performance. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists. May administer network security measures. 15-1142 Computer Network Architects - Design and implement computer and information networks, such as local area networks (IAN), wide area network (WAN), intanets, extranets, and other data communications networks. Perform network modeling, analysis, and planning. May also design network and computer security measures. 15-1143 A B C D E F G H I J J K Computer User Support Specialists - A B C D E F G H I J J K	site content, graphics, performance, and capacity with computer applications. Convert written, graph conents to compatible Web formats. Excludes "Mu	May integrate Web iic, audio, and video timedia Artists and													
Administer, test, and implement computer databases. Coordinate changes to computer databases. May plan, coordinate, and implement security measures to safeguard computer databases. 15-1141 Network and Computer Systems Administrators - Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or segment of a network system. Ensure network availability. May monitor and test Web site performance. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures. 15-1142 Computer Network Architects - 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. May also design network and computer security measures. 15-1143 Computer User Support Specialists - A B C D E F G H I J J K		15-1154								<u> </u>			<u> </u>	<u> </u>	
Computer Vetwork Architects - Design and implement computer and information networks, such as local area networks (LAN), wide area networks (LAN), wide area networks (LAN), wide area network support and data communications hardware and software. May supervise computer user support specialists and computer network area network area network security measures. A B C D E F G H I J J K A B C D E F G H I J J K B C D E F G H I J J K A B C D E F G H I J J K A B C D E F G H I J J K Computer Network Architects - Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications network and computer security measures. A B C D E F G H I J K Computer User Support Specialists - A B C D E F G H I J J K Computer User Support Specialists -				В	С	D	Е	F	G	Н	1	J	K	L	Т
Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or segment of a network system. Ensure network availability. May monitor and test Web site performance. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures. Total	outer databases. May plan, coordinate, and implen	nent security													
wide area network (WAN), and Internet systems or segment of a network system. Ensure network availability. May monitor and test Web site performance. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures. T5-1142	ork and Computer Systems Administrators -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
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. May also design network and computer security measures. Tomputer User Support Specialists - A B C D E F G H I J K	area network (WAN), and Internet systems or seg em. Ensure network availability. May monitor and to ermance. May assist in network modeling, analysis dination between network and data communication vare. May supervise computer user support specia	ment of a network est Web site planning, and s hardware and ists and computer curity measures.													
area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. Perform network modeling, analysis, and planning. May also design network and computer security measures. 15-1143 Computer User Support Specialists - A B C D E F G H I J K	puter Network Architects -		Α	В	С	D	E	F	G	Н	I	J	K	L	Т
Computer User Support Specialists - A B C D E F G H I J K	gn and implement computer and information networ networks (LAN), wide area networks (WAN), intra- data communications networks. Perform network	nets, extranets, and modeling, analysis, ecurity measures.													
Computer oser support operations	nutar Hear Support Specialists		Δ	B	С	D	F	F	G	н			К		т
Provide technical assistance to computer users. Answer questions or resolve computer problems in person, via telephone, or electronically. May provide assistance concerning computer hardware and software use. 15-1151	ide technical assistance to computer users. Answe outer problems in person, via telephone, or electro	nically. May provide e use.			3	5				***			IX.		

CCUPATIONAL TITLE AND DESCRIPTION OF DUTIES	2.00 \$78.75 \$100.00 and over S,799 -207,999 and over and	T Fotal bloyment T
Computer Network Support Specialists - Analyze, test, troubleshoot, and evaluate existing network systems, such as (part-time or full-time) \$9.25 -11.74 -14.74 -18.74 -23.99 -30.24 -38.49 -48.99 -61.99 -78.19 -79.19 -79.19 -79.19 -79.19 -79.19 -79.19 -79.19 -79.19 -79.19 -79.19 -79.19	3.74 - 99.99 and over Tot 3.960 \$163,800 \$208,000 Employ 3.799 - 207,999 and over	loyment
(full-time only) \$19,240 - 24,439 - 30,679 - 38,999 - 49,919 - 62,919 - 80,079 - 101,919 - 128,959 - 163,79 Computer Network Support Specialists - A B C D E F G H I J Analyze, test, troubleshoot, and evaluate existing network systems, such as I I I I J	3,799 - 207,999 and over	
Analyze, test, troubleshoot, and evaluate existing network systems, such as	J K L T	Т
local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure correct operation with minimal interruption.	 	
15-1152		
Operations Research Analysts - A B C D E F G H I J	J K L T	T
Formulate and apply mathematical modeling and other optimizing methods to develop and interpret information that assists management with decision making, policy formulation, or other managerial functions. May collect and analyze data and develop decision support software, service, or products. 15-2031		
Architecture and Engineering Occupations		
Computer Hardware Engineers - A B C D E F G H I J	J K L T	Т
Research, design, develop, or test computer or related equipment for commercial, industrial, military, or scientific use. May supervise the manufacturing and installation of computer or related equipment and components. 17-2061		
Electronics Engineers, Except Computer - A B C D E F G H I J	J K L T	Т
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. Excludes "Computer Hardware Engineers." 17-2072		
Industrial Engineers - A B C D E F G H I J	J K L T	Т
Design, develop, test, and evaluate integrated systems for managing industrial production processes, including human work factors, quality control, inventory control, logistics and material flow, and cost analysis. Excludes "Health and Safety Engineers, Except Mining Safety Engineers and Inspectors."		

					_	_	_		SELECT cording					
OCCUPATIONAL TITLE AND		Α	В	С	D	E	F	G	Н	I	J	K	L	T
DESCRIPTION OF DUTIES	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079		\$101,920 - 128,959	\$128,960 - 163,799		\$208,000 and over	Employment
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 know the direction of engineering staff, to design, build, repa modify electrical components, circuitry, controls, and m "Broadcast Technicians."	ir, calibrate, and													
	17-3023													
Legal Occupations														
Lawyers -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Represent clients in criminal and civil litigation and oth- draw up legal documents, or manage or advise clients May specialize in a single area or may practice broadly law.	on legal transactions.													
	23-1011	1												
Arts, Design, Entertainment, Sports,		upati	ons				<u>'</u>	,	•		,	•		
Multimedia Artists and Animators -		A	В	С	D	Е	F	G	Н	I	J	K	L	Т
Create special effects, animation, or other visual image computers, or other electronic tools and media.	es using film, video,													
	27-1014													
Graphic Designers -		Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Design or create graphics to meet specific commercial such as packaging, displays, or logos. May use a varie														
Public Relations Specialists -		Α	В	С	D	Е	F	G	Н	ı	J	К	L	Т
Engage in promoting or creating an intended public im- groups, or organizations. May write or select material f communications media.														
Technical Writers -		Α	В	С	D	Е	F	G	Н		J	К	L	Т
Write technical materials, such as equipment manuals, operating and maintenance instructions. May assist in														

					_	_	_		SELECT cording					
OCCUPATIONAL TITLE AND		Α	В	С	D	E	F	G	Н	I	J	K	L	Т
DESCRIPTION OF DUTIES	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	Employment
Sales and Related Occupations														
First-Line Supervisors of Non-Retail Sales Worker	S -	Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Directly supervise and coordinate activities of sales we sales workers. May perform duties, such as budgeting personnel work, in addition to supervisory duties.	, accounting, and													
	41-1012													
Sales Representatives of Services, Except Adverti Travel, and Financial Services -	sing, Insurance,	Α	В	С	D	E	F	G	Н	I	J	K	L	Т
Sell services to individuals or businesses. May describe client problems. Excludes "Telemarketers."	e options or resolve													
	41-3098													
Sales Representatives, Wholesale and Manufactur Scientific Products -	ing, Technical and	Α	В	С	D	E	F	G	Н	I	J	К	L	Т
Sell goods for wholesalers or manufacturers where tecknowledge is required in such areas as biology, engine electronics, normally obtained from at least 2 years of education. Excludes "Sales Engineers."	eering, chemistry, and													
Sales Representatives, Wholesale and Manufactur	ing, Except	Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Technical and Scientific Products -														
Sell goods for wholesalers or manufacturers to busine individuals. Work requires substantial knowledge of ite	ms sold.													
	41-4012													
Sales Engineers -		Α	В	С	D	E	F	G	Н	I	J	K	L	Т
Sell business goods or services, the selling of which re background equivalent to a baccalaureate degree in e engineers whose primary function is not marketing or	ngineering. Excludes													
Office and Administrative Support C														
First-Line Supervisors of Office and Administrative	Support Workers -	Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Directly supervise and coordinate the activities of cleri support workers.	cal and administrative													
	43-1011	1												

					_	_	_		ELECTE cording			-		
OCCUPATIONAL TITLE AND		Α	В	С	D	E	F	G	Н	I	J	K	L	Т
DESCRIPTION OF DUTIES	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	Employment
Bookkeeping, Accounting, and Auditing Clerks -		Α	В	С	D	E	F	G	Н	I	J	K	L	Т
Compute, classify, and record data to keep financial records complete. Perform 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. Excludes "Payroll and Timekeeping Clerks." 43-3031														
	43-3031													
Customer Service Representatives -		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Interact with customers to provide information in respon products and services and to handle and resolve compl individuals whose duties are primarily installation, sales	aints. Excludes													
	43-4051		<u></u>	<u></u>										
Human Resources Assistants. Except Payroll and T	imekeepina -	Α	В	С	D	Е	F	G	Н	ı	J	K	L	Т
Human Resources Assistants, Except Payroll and Timekeeping - Compile and keep personnel records. May prepare reports for employment records, file employment records, or search employee files and furnish information to authorized persons. 43-4161														
	40 4101				_		_							
Receptionists and Information Clerks - Answer inquiries and provide information regarding acti establishment and location of departments, offices, and the organization. Excludes "Switchboard Operators, Inc Service."	employees within	<u>A</u>	В	С	D	Е	F	G	Н	•	J	К	L	Т
Production Planning and Expedition Clarks		l A	В	С	D	E	F	G	Н			К		Т
Production, Planning, and Expediting Clerks - Coordinate and expedite the flow of work and materials within or between epartments of an establishment according to production schedule. Excludes "Weighers, Measurers, Checkers, and Samplers, Recordkeeping." 43-41/1 43-41/1 43-41/1			В		J			3	п		J	T.		,
Shipping, Receiving, and Traffic Clerks -		Α	В	С	D	E	F	G	Н	ı	J	K	L	Т
Verify and maintain records on incoming and outgoing sitems for shipment. Assemble, address, stamp, and shipmaterial; receive, unpack, verify and record incoming material; and arrange for the transportation of products. Clerks and Order Fillers."	p merchandise or erchandise or													

	NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)													
OCCUPATIONAL TITLE AND		Α	В	С	D	E	F	G	Н	I	J	K	L	T
DESCRIPTION OF DUTIES	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919			\$163,800 - 207,999	\$208,000 and over	Employmen
Executive Secretaries and Executive Administrative	Α	В	С	D	Е	F	G	Н	I	J	K	L	Т	
Provide high-level administrative support. Conduct research, prepare statistical reports, handle information requests, and perform clerical functions such as preparing correspondence, receiving visitors, arranging conference calls, and scheduling meetings. May also train and supervise lower-level clerical staff.														
	43-6011	<u> </u>			_	_							<u> </u>	
Secretaries and Administrative Assistants, Except Executive -	Legal, Medical, and	A	В	С	D	E	F	G	Н	ı	J	K	L	Т
Perform routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining files, or providing information to callers.														
	43-6014													
Computer Operators -		Α	В	С	D	Е	F	G	Н	ı	J	К	L	Т
Monitor and control electronic computer and peripheral electronic data processing equipment to process data according to operating instructions. Monitor and respond to operating and error messages. May enter commands at a computer terminal and set controls on computer and peripheral devices. Excludes "Computer Occupations" and "Data Entry Keyers." 43-9011														
Data Entry Keyers -		Α	В	С	D	Е	F	G	Н	I	J	К	L	Т
Operate data entry device, such as keyboard or photo Duties may include verifying data and preparing mater Excludes "Word Processors and Typists."	rials for printing.													
	43-9021													
Office Clerks, General - Perform duties too varied and diverse to be classified in any specific clerical occupation, requiring knowledge of office systems and procedures. Duties may include a combination of answering telephones, bookkeeping, typing or word processing, stenography, office machine operation, and filing.			В	С	D	Е	F	G	Н	I	J	K	L	Т
word processing, stenography, office machine operation	on, and filing. 43-9061													

		NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
OCCUPATIONAL TITLE AND			В	С	D	Е	F	G	Н	I	J	K	L	T
DESCRIPTION OF DUTIES	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	Employmen
Installation, Maintenance, and Repair Occupations														
First-Line Supervisors of Mechanics, Installers, an	d Repairers -	Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
Directly supervise and coordinate the activities of mechanics, installers, and repairers. Excludes team or work leaders.														
	49-1011													
Computer, Automated Teller, and Office Machine Repairers - Repair, maintain, or install computers, word processing systems, automated teller machines, and electronic office machines, such as duplicating and fax machines.			В	С	D	E	F	G	Н	ı	J	K	L	Т
	49-2011													
Maintenance and Repair Workers, General -		Α	В	С	D	Е	F	G	Н	I	J	K	L	T
Perform work involving the skills of two or more mainted keep machines, mechanical equipment, or the structure in repair. Duties may involve pipe fitting; boiler making machining; carpentry; repairing electrical or mechanical installing, aligning, and balancing equipment; and repair or stairs.	re of an establishment ; insulating; welding; al equipment;													
		,							,	Subto Emplo	otal cymen	t	,	Т

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.

		NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate)												
OCCUPATIONAL TITLE AND		Α	В	С	D	E	F	G	Н	ı	J	K	L	T
DESCRIPTION OF DUTIES	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74	\$78.75 - 99.99	\$100.00 and over	Total
	Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	Employment
		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	T
		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
		Α	В	С	D	Е	F	G	Н	I	J	K	L	Т
									1					<u> </u>
FIPS Schedule Number	NAICS Code	de Unit Total Employment Reviewed By Date				Date Reviewed			Subto					
FOR OFFICE											Pa	ge]
USE ONLY										Total E	mployn	nent ide	ntified	
											on this	s form		

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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.

												ED WAC				
OCCUI	OCCUPATIONAL TITLE AND			Α	В	С	D	Е	F	G	Н	ı	J	K	L	T
DESC	RIPT	IPTION OF DUTIES	Hourly (part-time or full-time)	under \$9.25	\$9.25 - 11.74	\$11.75 - 14.74	\$14.75 - 18.74	\$18.75 - 23.99	\$24.00 - 30.24	\$30.25 - 38.49	\$38.50 - 48.99	\$49.00 - 61.99	\$62.00 - 78.74		\$100.00 and over	Total
			Annual Salary (full-time only)	under \$19,240	\$19,240 - 24,439	\$24,440 - 30,679	\$30,680 - 38,999	\$39,000 - 49,919	\$49,920 - 62,919	\$62,920 - 80,079	\$80,080 - 101,919	\$101,920 - 128,959	\$128,960 - 163,799	\$163,800 - 207,999	\$208,000 and over	Employment
				Α	В	С	D	Е	F	G	Н	ı	J	К	L	Т
				A	В	С	D	E	F	G	Н		J	K	L	Т
				A				_		9	"	'		K		,
				Α	В	С	D	E	F	G	Н	ı	J	K	L	Т
				Α	В	С	D	E	F	G	Н	I	J	К	L	Т
				Α	В	С	D	Е	F	G	н	I	J	К	L	Т
	FIPS	Schedule Number	NAICS Code	Unit Total Employment			Reviewed By		Date Reviewed]	Subtotal Employment - this page				
FOR OFFICE USE ONLY																
												Total Employment identified on this form				

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