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ABSTRACT

The Occupational Training Information System (OTIS) report enumerates current data on manpower supply and demand conditions (from July 1, 1974 to June 30, 1975) in selected occupations and training programs in Oklahoma. Data sources, which included Federal and State agencies, and the procedures used to collect and analyze the data are presented in the introductory chapter. Chapter 2 (42 pages) provides manpower supply and demand tables presenting statewide totals arranged according to: clusters of occupations, demand, vo-tech supply (secondary, postsecondary, and adult), other sources (Federal, private schools, and descriptive registration), and clusters of programs. Chapter 3 (39 pages) presents additional tables providing a descending rank order of program clusters by demand minus vocational-technical supply. The program cluster with greatest net manpower demand is ranked one and is followed in order by the program clusters with lesser demand. The rank ordering provides a simple analysis of the tables and is useful to quickly identify program clusters by vocational and technical divisions in which training is needed on a statewide and/or regional basis. Appended are a sample student status form, OTIS procedural flow chart, and an index of statewide totals and descending order of program clusters. (Author/BP)

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CYCLE SEVEN REPORT
OCCUPATIONAL TRAINING INFORMATION SYSTEM

Supplement I

Statewide Totals and Descending
Rank Order of Program Clusters

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
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CE 004 737

Oklahoma State Department of Vocational and Technical Education
Division of Research, Planning, and Evaluation
Information Services Unit
Stillwater, Oklahoma
January, 1975

ATTENTION

In lieu of the present economic condition, it is important that the reader understands that the data presented is the best information available on the manpower supply and demand estimated to exist during the time July 1, 1974, to June 30, 1975. The figures in the manpower supply and demand tables should be viewed dynamically and not regarded as absolute values. This is especially true with certain industries where changes in the plans of a single firm could significantly influence the manpower demand in a given occupation. Any information of manpower needs is subject to error due to shifts in the economy, unexpected new industry starts, and other intervening variables.

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FOREWARD

The Occupational Training Information System (OTIS) was designed to provide current information on the supply and demand for people trained in selected vocational and technical occupations. Since its inception in 1968, those responsible for operating the system have constantly sought to improve and make the information more usable. OTIS is an excellent example of the application of theory to the solution of critical problems in vocational and technical education.

OTIS is a valuable tool to the administrator faced with the decision of program selection. The growing emphasis on accountability in the entire field of education creates the necessity on the part of those responsible for program offerings to allocate the scarce training dollar to those areas where the greatest need exists.

We are pleased that a number of state agencies, school districts, teachers, and guidance counselors utilize the OTIS publication to plan training programs and to help direct students toward occupational goals. It is our hope that the OTIS Cycle Seven Report will prove to be helpful to both the educator and the student.

Stillwater, Oklahoma
January, 1975

Francis Tuttle, State Director of
Vocational and Technical Education

ACKNOWLEDGMENTS

This report is the result of the efforts of a great number of people in a number of agencies. The agencies that have contributed to the growth and continued development of the Occupational Training Information System (OTIS) are:

Board of Nurse Registration and Nurse Education
Governor's Comprehensive Manpower Planning Staff
Manpower Administration, U.S. Department of Labor
Manpower Development & Training Division
Oklahoma Employment Security Commission
Oklahoma Industrial Development Department
Oklahoma State Department of Vocational and Technical Education
Oklahoma State Office of Community Affairs and Planning
Oklahoma State University: Research Foundation, Manpower Research and
Training Center, and School of Occupational and Adult Education
Ozarks Regional Commission

Among those whose contributions helped to make the report possible are Dr. Francis Tuttle of the Oklahoma State Department of Vocational and Technical Education who provides continuing support and leadership, Mr. Will Bowman, Mr. Bill Hunter, Dennis Martin, and the staff of the Planning and Research Division of the Oklahoma Employment Security Commission who made notable contributions with their provision of the updated demand information and registrants supply data for the report.

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Appreciation is expressed to Mr. E.R. Jeffers, Executive Secretary of the Oklahoma Private School Board, for the benefit of his experience and advice and for giving us the privilege of using their files on the Oklahoma private schools to gather required information on graduates in that sector.

We are indebted to the OTIS Advisory Committee for their guidance and direction in the future improvement of this system. The committee is listed below.

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CHAPTER I
INTRODUCTION
History of OTIS

It became apparent in Oklahoma that if existing manpower training and related agencies were to make their maximum contribution to the development of human resources, intensive efforts would have to be made in the direction of statewide manpower planning. The recognition of a need for statewide manpower planning is manifested in federal and state legislation, legislative acts, and in the establishment of coordinating committees and commissions in Oklahoma and in the nation. However, the need remained for the development and demonstration of an effective information system and related procedure for implementing statewide manpower planning.

In Oklahoma, two studies which explored the need for statewide manpower planning were completed in 1967. One was by Ling-Temco-Vought System Management Service and the other by Oklahoma State University. These studies were oriented toward identifying the actions and sequential steps necessary for the establishment of a flexible occupational training system that could provide skilled manpower to satisfy the state's present and future demand. In the spring of 1968, representatives from the Research Department of the Industrial Development and Park Department, the State Department of Vocational and Technical Education, and the Oklahoma Employment Security Commission met to discuss the needs for a statewide research and demonstration project. This project would bring maximum resources to bear on implementing the strategy for economic development which had as its major premise the development of a skilled labor force. Subsequently, the Manpower Research and Training Center at Oklahoma State University was approached to react in detail to the feasibility of such a project. In July of 1968, a proposal was submitted to the concerned agencies whereupon the State Department of Vocational and

Technical Education and the Industrial Development and Park Department agreed to a preliminary funding of the project. Cooperation was provided by the Oklahoma Employment Security Commission and the Association of Private Schools.

Organizations which supported and/or cooperated in the development of the system included the Oklahoma State Department of Vocational and Technical Education, the Manpower Administration of the U. S. Department of Labor, the Oklahoma Industrial Development and Park Department, the Ozarks Regional Commission, the Research Foundation for Oklahoma State University, the Oklahoma Employment Security Commission, the State Accrediting Agency, the Manpower Research and Training Center at Oklahoma State University, the School of Occupational and Adult Education at Oklahoma State University, and the Oklahoma Research Coordinating Unit.

At an OTIS Advisory Committee meeting in January, 1970, the members representing these organizations transferred operational responsibilities to the newly formed Division of Research, Planning, and Evaluation of the Oklahoma State Department of Vocational and Technical Education.

Purpose

The purpose of this report is to enumerate current data on manpower supply and demand on selected occupations and training programs in Oklahoma.

Limitations

The data presented here represents the best information available on the manpower supply and demand conditions estimated to exist during the time July 1, 1974, until June 30, 1975. However, the figures in the manpower supply and demand tables should be viewed dynamically and not regarded as absolute values. This is especially true with certain industries where changes in the plans of a single firm could significantly influence the manpower demand in a given occupation. Any information of manpower needs is subject to error due to shifts in the economy, unexpected new industry starts, and other intervening variables.

Procedures

The procedures used to collect and analyze the data in this report are presented in two major sub-sections; these are manpower supply and manpower demand.

Sub-Section One - Manpower Supply

There are seven primary sources of manpower supply data used in this report; i.e., the Oklahoma State Department of Vocational and Technical Education, the Governor's Comprehensive Manpower Planning Staff, the State Accrediting Agency, the Oklahoma Employment Security Commission, the Oklahoma Board of Nurse Registration and Nurse Education, the Oklahoma Council for Health Careers and the State Regents for Higher Education.

The Student Accounting System operated by the Oklahoma State Department of Vocational and Technical Education provides information on three categories of manpower supply; i.e., high school vocational program graduates, post high school vocational program graduates, and adult vocational program graduates. The files for the Manpower Development Training Act (MDTA) and Comprehensive Employment and Training Act (CETA) graduates are maintained in the State Department office and are used as the source for "Federal" supply data.

The data entered into the tables in Chapter II for secondary and post secondary vocational and technical students are calculated in the following manner:

1. The first phase of the problem was to find the percentage of the 1973-74 students who have dropped out or completed each of the vocational programs and to find out how many are available for job placement. This was done by searching the Student Accounting System for:
 - a. Those who dropped out of school and are employed full time in the field for which they were trained (Student Status Report, Code J)*
 - b. The number of students who are unknown (Student Status, Code O)*
 - c. Those who are not available for placement (Student Status Report, Codes E, F, H)*
 - d. Those who are available for placement (Student Status Report, Codes A, B, C, D, I)*

e. The total number with completion response (Student Status Report, Codes A through L and O)*

f. The total number enrolled in the program for each occupational objective

The percentage of students who dropped out of school and are employed full time in the field for which they are trained or completed the program and were available for the labor market was calculated by:

$$PC = \frac{a + d}{a + d + b + C} \times \frac{f}{e}$$

If there was insufficient information to calculate the percentage, the percentage was based upon, "A Follow-Up Study of Graduates, 1974," Oklahoma Department of Vocational and Technical Education.

2. The second phase was to calculate the numbers of students available for the labor market by accumulating the number of students who completed the program (Student Status Report, Codes A through F, H, I)* from the 1973-74 Student Accounting System and multiplying it by the percentage worked out above for each occupational objective.

Secondary programs, other than vocational-technical programs, funded by the State Department of Vocational-Technical Education, provide input into the labor market. A survey of the Oklahoma City and Tulsa school systems was used as a sample for industrial arts programs. Nine statewide samples of schools were used in obtaining information on business and office training programs. Supply input has been calculated from the results of these surveys and is included in this publication.

The figures entered into the tables in Chapter II for adults are calculated by searching the Student Accounting System and other available records for:

g. The number of adult preparatory students,

h. The number of adult supplementary students in adult classes for each occupational objective

The formula used to calculate percentage available for the labor market was:

$$PC = \frac{g}{g+h} \times .89 \times \frac{(\text{Student Status codes ABCDI})}{(\text{Student Status codes A through F, H, I})}$$

The factor .89 was used to eliminate duplicated enrollment. The adult enrollment for 1973-74 was used to calculate the figures in the table in Chapter II.

One hundred percent of the graduates in the Federal programs is listed as available to the labor market.

Data on private school graduates were obtained from the license application required annually by House Bill 1403 and from telephone conversations with selected private schools' administrators. This licensing procedure is supervised by the State Accrediting Agency.

The Oklahoma Employment Security Commission provides the number of qualified registrants who are available to fill jobs listed in the OTIS Report.

The Oklahoma Board of Nurse Registration and Nurse Education and the Oklahoma State Department of Vocational and Technical Education provide data on the number of nurses who are available for the labor market.

Sub-Section Two - Manpower Demand

The primary data on manpower demand utilized in this report has been developed by the Oklahoma Employment Security Commission (OESC) based upon a comprehensive survey conducted during 1971 with an original sample of 2,633 firms. The firm listing included firms covered by the unemployment insurance laws and was augmented by a mixture of the larger non-covered establishments such as government agencies, hospitals, and other non-profit organizations. These firms were listed by industrial divisions in descending order by employment size. All of the establishments comprising the upper 50 percent of the industry's employment total were included in the survey. Of the remaining firms in the industry, 20 percent and 5 percent samples were selected from the third and fourth quartiles respectively. During June of 1971 questionnaires, job descriptions, and instructions were mailed to the surveyed firms. For the next two months, personal visits were made to the state's largest employers to solicit their cooperation. The OESC was able to survey 83.8 percent of the employment in the areas surveyed.

For the OTIS Cycle Seven Report, the data base was updated by the Research and Planning Division of OESC. Basically, the update consisted of reviewing the larger firms' employment changes. These were analyzed to see if they were following the previously

projected trend. Those establishments that varied from their forecast were contacted by OESC personnel to confirm the change and secure new projections. Furthermore, all newly established large firms were visited by OESC personnel to get employment information. This data was then incorporated into the data base and used to update the demand information.

The 1973 survey of health occupations which was conducted by the Oklahoma Employment Security Commission in conjunction with the Oklahoma State Department of Vocational and Technical Education was used to supplement the demand information. This survey sampled employers in the health occupations, such as hospitals, nursing homes, government agencies, and private practice. The Oklahoma Employment Security Commission combined all of the data from the agencies above and edited it in terms of known economic conditions to produce the figures interfaced in the manpower demand column of the tables.

Other manpower demand information has been developed by Jesse B. Mitchell, "Employment Opportunities and Educational Needs in Off-Farm Agri-Business Occupations in Oklahoma," State Department of Vocational and Technical Education, September, 1971, and by the Oklahoma State University Agricultural Economics Department's Farm Manpower projections.

CHAPTER II

MANPOWER SUPPLY AND DEMAND TABLES

How to Use the Tables .

The Net Additional Manpower Requirements Table utilizes the clustering of related occupations which are matched with programs that train workers for those occupations. A cluster may contain one or more occupations and one or more types of programs. The occupations are identified by Dictionary of Occupational Titles codes and the programs are identified by U.S. Office of Education Codes. The occupations are indexed for statewide totals and Descending Ordering of Program Clusters tables on the last three pages of the report. Some of the clusters are limited by the form of available data; demand data on drafting is not reported by level of drafting skills needed and, therefore, all levels of training are interfaced against the aggregate demand for draftsmen.

The vocational and technical supply is subtracted from the demand to obtain demand minus vo-tech supply. When demand exceeds supply, the demand minus vo-tech supply is positive; where the demand is less than the supply, the demand minus supply is negative. The negative numbers are indicated in the tables by the negative sign (-). Other supply, such as Federal, private schools and OESC registrants will be considered when calculating the net manpower requirements.

Although many factors influence the choice of program offerings in any given situation, one of the major considerations is the demand for the graduates of the program. When planning new programs or selecting a possible future occupation, one should examine the net manpower requirements within the region where the program will be offered, in the adjacent regions, the net manpower requirements in the Standard Metropolitan Statistical Area (SMSA) closest to the region, and the statewide net manpower requirements. In addition, any factor which influences the local labor market such as new industry starts should be considered.

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	ADULT	POST SECONDARY	VO-TECH SUPPLY	DEMAND MINUS VO-TECH SUPPLY	FEDERAL	PRIVATE SCHOOLS	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 5										
190.115.0 FIELDMAN	60									
404.287.0 PRUNER--PICKER	80									
409.163.0 FARM MANAGER	816									
413.181.0 FEEDLOT WORKER	66									
421.983.0 FARM HAND, GENERAL	64	1,025								010100 AGRICULTURAL PRODUCTION
TOTAL	1,086	1,025				61				

CLUSTER NO. 10										
162.159.0 BUYER (WHOLESALE/RETAIL AGRIC)	103									62
520.385.0 FEED/FERTILIZER MIXER	43									
TOTAL	146	70				76				010200 AGRICULTURAL SUPPLIES/SERVICE

*Employment Opportunities and Educational Needs in Off-Farm Agri-Business Occupations - Jesse Mitchell
**Oklahoma State University Farm Manpower Projections

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY	CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT			
CLUSTER NO. 15							
- 599,885.0 MILL OPERATOR	51						
- 624,281.0 AGRICULTURAL MECHANIC	227	610	1				010300 AGRICULTURAL MECHANICS 179902 FARM MACHINERY REPAIR
TOTAL	278	633	3	1	-359		
CLUSTER NO. 20							
466,887.0 LIVESTOCK CARETAKER	89						
- 919,887.0 YARDMAN	115	15					010400 AGRICULTURAL PRODUCTS
TOTAL	204	15			189		
CLUSTER NO. 25							
- 142,081.0 FLORAL DESIGN	114						
- 406,168.0 GREENHOUSE MAN	154				26		
407,564.0 GROUNDS KEEPER	168	16			11		010500 ORNAMENTAL HORTICULTURE 040500 FLORISTRY
TOTAL	436	38			398	26	48

*Employment Opportunities and Educational Needs in Off-Farm Agri-Business Occupations - Jesse Mitchell

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	POST SECONDARY	ADULT	DEMAND MINUS VO-TECH SUPPLY	FEDERAL SCHOOLS	PRIVATE SCHOOLS	DESC. REGISTR.	CLUSTERS OF PROGRAMS
CLUSTER NO. 30									
252.358.0 SERVICE SALESMAN	327	24			50			50	040100 ADVERTISING SERVICES
TOTAL	327	52			275			50	040400 FINANCE AND CREDIT
CLUSTER NO. 35									
165.068.0 PUBLIC RELATIONS	45	4			26			26	040100 ADVERTISING SERVICES
TOTAL	45	4			41			26	
CLUSTER NO. 40									
132.068.0 COPY WRITER	16	2			4			4	040100 ADVERTISING SERVICES
TOTAL	16	2			14			4	

021

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 43					
260-269.0 SALES OCCUPATIONS (GOODS)	1,012				010200 AGRICULTURAL SUPPLIES/SERV- ICE
290.478.0 SALES CLERK	2,596			39	040200 APPAREL AND ACCESSORIES
292.358.0 SALESMAN-DRIVER (ROUTE MAN)	240				040300 AUTOMOTIVE 040600 FOOD 040800 DISTRIBUTION GENERAL MERCHANDISE
915.867.0 SERVICE STATION ATTENDANT	455	46			040900 HDW, BLDG. MAT. FARM SUPPLIES & EQP
		127			041000 HOME FURNISHING 041200 INDUSTRIAL MARKETING
		27			041400 INTERNATIONAL TRADE
		127	88		041600 PETROLEUM 041800 RECREATION AND TOURISM
		149			042000 RETAIL TRADE 043100 WHOLESALE TRADE
		13			090204 HOME FURNISHING SERVICES
		27			
		3			
		4			
		22			
		11			
		106	6		
		23			
TOTAL	4,303	685	3,517	39	1,080



MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VD-TECH SUPPLY ADULT	VD-TECH SUPPLY MINUS VO-TECH SUPPLY	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 50					
310.868.0 HOSTESS	138				
311.878.0 WAITRESS OR WAITER	1,674				
319.138.0 FOOD SERVICE SUPERVISOR	93				
		109			
		137			
		27			
		35			
TOTAL	1,905	308	1,597	629	040700 FOOD SERVICES 090203 FOOD MANAGEMENT 172900 OTHER FOOD OCCUPATIONS 172904 WAITER OR WAITRESS
CLUSTER NO. 55					
242.368.0 HOTEL CLERK	220				
TOTAL	220		220		041100 HOTEL AND LODGING

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	CLUSTERS OF PROGRAMS	DEMAND	VO-TECH SUPPLY	POST SECONDARY	ADULT	MINUS VO-TECH SUPPLY	FEDERAL	OTHER SUPPLY	DESC. REGISTR.	CLUSTERS OF PROGRAMS
CLUSTER NO. 60										
166.168.0 SPECIAL AGENT		47							17	
169.188.0 UNDERWRITER		51							14	
241.168.0 CLAIM ADJUSTER		48							24	
250.258.0 INSURANCE SALESMAN		172							47	
TOTAL		318				318			102	041300 INSURANCE

CLUSTER NO. 65										
191.280.0 REAL ESTATE APPRAISER		31							6	041700 REAL ESTATE
TOTAL		31				31			6	

CLUSTER NO. 70										
162.158.1 PURCHASING AGENT		72	42	18	17				22	049900 DISTRIBUTIVE EDUCATION, OTHER
TOTAL		72	42	18	17	5			22	

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VD-TECH SUPPLY	ADULT	POST SECONDARY	SECONDARY	VD-TECH SUPPLY	FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 75											
189.168.0 MANAGER, TRAINEE	298			102					127		049901 MID MANAGEMENT
TOTAL	298	102				196			127		
CLUSTER NO. 80											
079.378.1 DENTAL OFFICE ASSISTANT	126			73					40		070101 DENTAL ASSISTING
TOTAL	126	73				53		50	40		
CLUSTER NO. 85											
078.368.3 DENTAL HYGIENIST	25				8				8		070102 DENTAL HY- GIENIST (ASSDC)
TOTAL	25	8				17			8		

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 90					
078.381.0 MEDICAL LABORATORY ASSISTANT	107			16	070203 MEDICAL LABORATORY ASSISTANT
TOTAL	107	67	40	16	
CLUSTER NO. 95					
100.388.0 MEDICAL RECORD LIBRARIAN	16	3			070210 MEDICAL RECORD TECHNICIAN
TOTAL	16	3	8		
CLUSTER NO. 100					
075.378.0 REGISTERED NURSE BACC, DIPL, ASSOC	840	227			070299 NURSING (BACCALAUREATE)
		124			070300 NURSING (DIPLOMA PROGRAM)
		286			070301 NURSING (ASSOCIATE DEGREE)
TOTAL	840	637	203		

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	POST SECONDARY	ADULT	VO-TECH SUPPLY	FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 105										
079.378.0 LICENSED PRACTICAL NURSE (L.P.N.)	774			537				110		070302 PRACTICAL (VOC) NURSING
TOTAL	774			537				110		
CLUSTER NO. 110										
355.878.0 NURSE AIDE	1,639		195	228			59	783		070303 NURSE ASST. (AIO/ORDERLY)
TOTAL	1,639	195	195	228	1,216		59	783		
CLUSTER NO. 115										
355.879.1 PSYCHIATRIC AIDE	70							21		070304 PSYCHIATRIC AID
TOTAL	70				70			21		

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MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY		ADULT	DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY		CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY			FEDERAL	SCHOOLS	
CLUSTER NO. 120								
079.378.2 SURGICAL TECHNICIAN	87			3				070305 SURGICAL TECHNICIAN
TOTAL	87	9	9	3	75			22
CLUSTER NO. 125								
079.368.1 OCCUPATIONAL THER- APIST AIDE	14	2	5	6				070401 OCCUPATIONAL THERAPY ASST.
TOTAL	14	2	5	6	1			6
CLUSTER NO. 130								
355.878.2 PHYSICAL THERAPIST AIDE	45	4	4	4				070407 PHYSICAL THER- APIST ASST. (AID)
TOTAL	45	4	4	4	37			18

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VD-TECH SUPPLY	POST SECONDARY	ADULT	VD-TECH SUPPLY	DEMAND MINUS VD-TECH SUPPLY	FEDERAL	OTHER SUPPLY	DESC. SCHOOLS REGISTR.	CLUSTERS OF PROGRAMS
CLUSTER NO. 135										
078.368.2 RADIOLOGIC TECHNOLOGIST	72								7	070501 RADIOLOGIC TECH. (X-RAY)
TOTAL	72	62	62		10		99	99	7	
CLUSTER NO. 140										
079.378.3 ENVIRONMENTAL HEALTH TECH.	6									070721 ENVIRONMENTAL HEALTH TECH
TOTAL	6	6	6							
CLUSTER NO. 145										
078.368.0 E.E.G. TECHNICIAN	7									070901 E.E.G. TECH- NICIAN
TOTAL	7				7					

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	POST SECONDARY/SECONDARY	ADULT	DEMAND MINUS VO-TECH SUPPLY	FEDERAL	OTHER SUPPLY	DESC. REGISTR.	CLUSTERS OF PROGRAMS
CLUSTER NO. 150									
078.368.1 E.K.G. TECHNICIAN	18							7	070902 E.K.G. TECHNICIAN
TOTAL	18				18			7	
CLUSTER NO. 155									
079.368.0 INHALATION THERAPIST	44		47					10	070903 INHALATION THERAPY TECH.
TOTAL	44		47		-3			10	
CLUSTER NO. 160									
079.368.2 MEDICAL OFFICE ASSISTANT	101		68	4			90	50	070904 MEDICAL OFFICE ASSISTANT 070914 MEDICAL ASSISTANT
TOTAL	101		68	5	28		90	50	

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	VO-TECH SUPPLY ADULT	POST SECONDARY	DEMAND HINUS	OTHER SUPPLY FEDERAL	OTHER SUPPLY PRIVATE SCHOOLS	DEMAND DESC. REGISTR.	CLUSTERS OF PROGRAMS
CLUSTER NO. 165									
223.887.0 CENTRAL SUPPLY WORKER	38							7	070905 CENTRAL SUPPLY TECHNICIAN
TOTAL	38				38			7	
CLUSTER NO. 170									
355.878.4 MEDICAL EMERGENCY TECHNICIAN	30			30					070907 MEDICAL EMER- GENCY TECH.
TOTAL	30			30					
CLUSTER NO. 175									
079.378.5 COMMUNITY MENTAL HEALTH WORKER	40			9				6	070913 COMMUNITY MENTAL HEALTH
TOTAL	40			9	31			6	

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VD-TECH SUPPLY	POST SECONDARY	ADULT	VD-TECH SUPPLY	DEMAND MINUS VD-TECH SUPPLY	FEDERAL SCHOOLS	PRIVATE SCHOOLS	DESC. REGISTR.	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 180											
249.388.1 MEDICAL RECORD CLERK	55										079901 MEDICAL RECORD CLERK
TOTAL	55				55						7
CLUSTER NO. 185											
219.388.1 WARD CLERK	181		1	3							079902 WARD CLERK
TOTAL	181	1	3	3	177						27
CLUSTER NO. 190											
079.378.4 DIETARY TECHNICIAN	23		5								079911 DIETARY TECHNICIAN
TOTAL	23	5	5		18						3

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	ADULT	POST SECONDARY	VO-TECH SUPPLY	DEMAND MINUS VO-TECH SUPPLY	FEDERAL	PRIVATE SCHOOLS	OTHER SUPPLY	DESC.	CLUSTERS OF PROGRAMS
CLUSTER NO. 195											
729.281.0 BIOMEDICAL ELECT. EQUIPMENT TECH.	6									1	079921 BIOMEDICAL ELECTRONIC EQUIP. TEC
TOTAL	6	5			1					1	
CLUSTER NO. 196											
712.381.0 DENTAL LABORATORY TECHNICIAN	52									9	070103 DENTAL LAB TECHNICIAN
TOTAL	52				52					9	
CLUSTER NO. 197											
078.381.1 NUCLEAR MEDICINE TECHNOLOGIST	6			11						2	070503 NUCLEAR MED TECHNOLOGY
TOTAL	6			11	-5					2	



MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	VO-TECH SUPPLY		DEMAND		OTHER SUPPLY		CLUSTERS OF PROGRAMS
	SECONDARY	POST SECONDARY ADULT	MINUS VO-TECH SUPPLY		FEDERAL	PRIVATE SCHOOLS REGISTR.	
CLUSTER NO. 198							
074.378.0 PHARMACY ASSISTANT				30			7
TOTAL			30				7
CLUSTER NO. 200							
359.878.0 NURSERY SCHOOL ATTENDANT	89	4					76
TOTAL	89	4	111				76
CLUSTER NO. 205							
781.884.0 CUTTER (HAND OR MACHINE)				81			20
785.381.0 SEAMSTRESS OR TAILOR				121			30
786.782.0 SEWING MACHINE OPERATOR				1,874			417
TOTAL	98	9	1,951				467

090201 CARE AND GUID-
ANCE OF CHILD-
REN

090202 CLOTHING MGMT.
PROD. & SERVICE
090204 HOME FURNISHING
SERVICES
173302 TAILORING

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	POST SECONDARY	ADULT	VO-TECH SUPPLY	MINUS	DEMAND	FEDERAL	PRIVATE SCHOOLS	OTHER SUPPLY	DESC. REGISTR.	CLUSTERS OF PROGRAMS
CLUSTER NO. 210												
321.138.0 HOUSEKEEPER	559		12						30		66	090209 INSTITUTIONAL & HOME MGMT. SERV
TOTAL	559	12			547			30			66	
CLUSTER NO. 213												
359.878.1 TEACHER AIDE	202										68	090201 CARE AND GUID- ANCE OF CHILD- REN
TOTAL	202				202						68	



MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY SECONDARY POST SECONDARY SECONDARY ADULT	DEMAND MINUS VO-TECH SUPPLY	FEDERAL	OTHER SUPPLY PRIVATE SCHOOLS REGISTR.,	CLUSTERS OF PROGRAMS
CLUSTER NO. 220						
160.288.0 COST ESTIMATOR	62					
168.288.0 CLAIMS EXAMINER	18					6
186.168.0 BANK CASHIER	29					2
209.388.1 STATEMENT CLERK	48					13
210.388.0 BOOKKEEPER	674					34
211.368.0 CASHIER	757					251
212.368.0 BANKING TELLER	255					128
215.388.0 BOOKKEEPING MA- CHINE OPERATOR	290					60
215.488.0 PAYROLL CLERK	218					32
217.398.0 TRANSIT CLERK	45					62
219.488.0 ACCOUNTING CLERK	554					26
249.368.0 CREDIT CLERK	45					143
249.368.1 CLAIMS CLERK (INSURANCE)	93					2
249.368.2 NEW ACCOUNT CLERK	66					17
TOTAL	3,154	44	15	71	446	9
		44	15	71	446	140100 ACCOUNTING AND COMPUTING
CLUSTER NO. 225						
213.000.0 DATA ENTRY EQUIP- MENT OPERATOR	535	171	6	97	390	212
TOTAL	535	171	6	97	390	140200 BUSINESS DATA PROCESSING

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VD-TECH SUPPLY	ADULT	POST SECONDARY	SECONDARY	VD-TECH SUPPLY	MINUS	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 230									
209.388.0 CLERK-TYPIST	1,207								140300 GENERAL OFFICE
219.388.3 GENERAL OFFICE CLERK	1,791								CLERICAL OCCUP. TYPING & RELATE OCCUPATIONS
237.368.0 ADMITTING CLERK	56								
249.368.0 LOAN CLOSER	23	694	63			497			
TOTAL	3,077	814	170	30	120	497	2,063	1,131	
CLUSTER NO. 235									
235.862.0 TELEPHONE OPERATOR	319	30	4						140400 INFORM. COMMUN. ICATIONS OCCUP.
TOTAL	319	30	4				285	101	
CLUSTER NO. 240									
232.368.0 POST OFFICE CLERK	264								140403 MAIL AND POSTAL CLERKS
233.388.0 MAIL CARRIER	198								
TOTAL	462						462	20	

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	ADULT	POST SECONDARY	VO-TECH SUPPLY	DEMAND	FEDERAL	PRIVATE SCHOOLS	OTHER SUPPLY	DESC.	CLUSTERS OF PROGRAMS
CLUSTER NO. 245											
205.368.0 PERSONNEL CLERK	182									54	140600 PERSONNEL, TRAINING & RELATED
TOTAL	182	1				181				54	
CLUSTER NO. 250											
201.368.0 SECRETARY	1,780						71			473	
202.388.0 STENOGRAPHER	603						160			195	140700 SECRETARY OR STENOGRAPHER
TOTAL	2,383	672	77	17	77	1,617	231	572	572	670	
CLUSTER NO. 255											
162.288.0 TITLE CLERK	26									11	140800 SUPERVISORY & ADMIN. MGMT.
TOTAL	26	2	6	30	6	-12				11	

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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 260					
029.281.0 LABORATORY TESTER	97				10 160105 CHEMICAL TECHNOLOGY
TOTAL	97		97		10
CLUSTER NO. 265					
005.181.0 CIVIL ENGINEERING TECHNICIAN	73				9
008.188.0 SURVEYOR	66	2			10 160106 CIVIL TECHNOLOGY
TOTAL	139	2	137		19
CLUSTER NO. 270					
003.181.0 ELECTRONICS TECHNICIAN	149				18
003.181.1 ELECTRICAL TECHNICIAN	54	103			34 160107 ELECTRICITY ELECTRONIC TECHNOLOGY
TOTAL	203	103	100		52



MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY		ADULT	DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY		CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY			FEDERAL SCHOOLS	PRIVATE	
CLUSTER NO. 275								
638.281.0 MAINTENANCE MECHA- NIC MILLWRIGHT	22							
710.281.1 ELECTROMECHANICAL TECHNICIAN	30							5
TOTAL	52	22	22		8			160109 ELECTROMECHANIC TECHNOLOGY
CLUSTER NO. 280								
012.288.0 INDUSTRIAL ENGI- NEERING TECH.	53							7
TOTAL	53	4	4		49			160111 INDUSTRIAL TECHNOLOGY
CLUSTER NO. 285								
710.281.0 INSTRUMENT REPAIRMAN	57							11
TOTAL	57	1	12	5	39			160112 INSTRUMENTATION TECHNOLOGY 172100 INSTRUMENT MAINT, & REPAIR

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY SECONDARY	POST SECONDARY	ADULT	DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY FEDERAL SCHOOLS	PRIVATE DESC. REGISTR.	CLUSTERS OF PROGRAMS
CLUSTER NO. 290								
007.181.0 MECHANICAL ENGI- NEERING TECH	35							9
019.281.0 QUALITY CONTROL TECHNICIAN	150		14					13
TOTAL	185	14	14		171			24
CLUSTER NO. 295								
542.280.0 STILLMAN (PETROL- EUM REFINING)	19							1
549.380.0 PUMPPAN (PETROLEUM REFINING)	26							2
TOTAL	45				45			3

160113 MECHANICAL
TECHNOLOGY

160116 PETROLEUM
TECHNOLOGY

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HANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	SECONDARY	POST SECONDARY	ADULT	VO-TECH SUPPLY	DEMAND MINUS VO-TECH SUPPLY	FEDERAL	OTHER SUPPLY PRIVATE SCHOOLS REGISTR.	CLUSTERS OF PROGRAMS
CLUSTER NO. 300									
001.281.0 DRAFTSMAN	39								20
003.281.0 ARCHITECTURAL DRAFTSMAN	37								8
003.281.1 ELECTRICAL DRAFTSMAN	12								6
005.281.0 ELECTRONIC DRAFTSMAN	36								10
007.181.1 CIVIL DIE DESIGNER	39								3
007.281.0 MECHANICAL DRAFTSMAN,	186								47
010.281.0 MECHANICAL DRAFTSMAN,	40								3
017.281.0 GEOLOGICAL DRAFTSMAN, MAP	20								6
TOTAL	409	148	26	47	47	141	160	160	105
CLUSTER NO. 305									160198 DRAFTING AND DESIGN 171300 DRAFTING
020.189.0 BUSINESS PROGRAMMER	190								54
213.382.1 DIGITAL COMPUTER OPERATOR	137								24
219.388.2 PROGRAM CODER	203		73				22		44
TOTAL	530	148	73	47	457	22	22		122

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	POST SECONDARY	ADULT	DEMAND MINUS VO-TECH SUPPLY	FEDERAL	PRIVATE SCHOOLS	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 310									
139.288.0 TECHNICAL PUBLICATIONS WRITER	22								160699 TECHNICAL WRITING
TOTAL	22				22				
CLUSTER NO. 315									
637.281.0 AIR CONDITIONING MECHANIC	167	138	86	96		64	74		170100 AIR CONDITIONING 173000 REFRIGERATION
TOTAL	167	148	86	143	-210	64	74		
CLUSTER NO. 320									
827.281.0 HOUSEHOLD APPLIANCE REPAIRMAN	99	16					125		170201 APPLIANCE REPAIR
TOTAL	99	16			83		125		

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MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VD-TECH SUPPLY		DEMAND MINUS VD-TECH SUPPLY	OTHER SUPPLY		CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY ADULT		FEDERAL	PRIVATE SCHOOLS	
CLUSTER NO. 325							
807.381.0 AUTO BODY REPAIRMAN	166			46			55
845.781.0 AUTO PAINTER	63	169	44		26		22
TOTAL	229	169	44	-14	46	26	77
CLUSTER NO. 330							170301 BODY AND FENDER
620.281.0 AUTO MECHANIC	808				141		138
620.281.1 AUTO - AIR CONDI- TIONING	70	747	120			75	10
TOTAL	878	747	120	-88	141	75	148
CLUSTER NO. 335							170302 AUTO MECHANICS
185.168.0 AUTO PARTS MANAGER	40						42
223.367.0 AUTO PARTS CLERK	149	23	9				77
TOTAL	189	54	9	126			119

040300 AUTOMOTIVE
170399 AUTOMOTIVE
SERVICES

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY		DEMAND	OTHER SUPPLY	CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY ADULT			
CLUSTER NO. 340						
621.281.0 AIRCRAFT AND ENGINE MECHANIC	66					55
621.281.1 JET ENGINE MECHANIC	26					7
621.761.0 AIRCRAFT ACCESS- ORIES MECHANIC	29	72	15		9	4
TOTAL	121	72	15	34	11	66
CLUSTER NO. 345						170401 AIRCRAFT MAINTENANCE
141.081.0 ILLUSTRATOR--COM- MERCIAL ARTIST	47					27
141.081.1 LAYOUT MAN (PRINT. & PUBLISHING)	27					8
TOTAL	74	21	3	18		35
CLUSTER NO. 350						170700 COMMERCIAL ART
143.062.0 PHOTOGRAPHER OR CAMERAMAN	50	13	18			14
TOTAL	50	13	18	19		14



MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	DEMAND MINUS VG-TECH SUPPLY	OTHER SUPPLY	CLUSTERS OF PROGRAMS
		ADULT	FEDERAL	PRIVATE SCHOLS	DESC. REGISTR.
		POST SECONDARY			
CLUSTER NO. 355					
741.984.0 SPRAY PAINTER	175				35
841.781.0 PAINTER OR PAPERHANGER	146				12
860.381.0 CARPENTER	617				169
899.381.0 MAINTENANCE MAN, BUILDING	293	42			114
					160197 BUILDING CONSTRUCTION
		462	10		171001 CARPENTRY
TOTAL	1,231	462	10	717	330
CLUSTER NO. 360					
821.381.0 LINEMAN	79				25
822.381.0 TELEPHONE INSTALLER	65				31
824.281.0 ELECTRICIAN	423	81	18	90	98
829.381.0 CABLE SPLICER	21	36	16		7
		68	34	90	171002 ELECTRICITY 171400 ELECTRICIAN RELATED
TOTAL	588	81	34	405	161

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	POST SECONDARY	ADULT	MINUS VO-TECH SUPPLY	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 365							
515,782.0 GRINDING HILL OPERATOR (MINING)	36						
859,833.0 HEAVY EQUIPMENT OPERATOR	292			13		23	118
TOTAL	328	8	8	13	307	23	118

CLUSTER NO. 370							
844,884.0 CEMENT MASON	116						52
861,381.0 BRICKLAYER	282	66		2			72
TOTAL	398	66		2	330		124

CLUSTER NO. 375							
862,361.0 PLUMBER AND PIPEFITTER	222	12	35	8		55	66
TOTAL	222	12	35	8	167	55	66

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY SECONDARY SECONDARY ADULT	POST SECONDARY SECONDARY ADULT	VO-TECH SUPPLY	DEMAND MINUS VO-TECH SUPPLY	FEDERAL	OTHER SUPPLY	DESC, SCHOOLS REGISTR,	CLUSTERS OF PROGRAMS
CLUSTER NO. 380									
638.281.0 MAINTENANCE MECHA- NIC MILLWRIGHT								23	171099 CONSTRUCTION & MAINT, TRADE
801.791.0 STRUCTURAL STEEL WORKER	160							47	
809.381.0 LAYOUT MAN (STRUCTURAL)	50							15	
TOTAL	210				210			85	
CLUSTER NO. 383									
638.281.0 MAINTENANCE MECHA- NIC MILLWRIGHT	122								171099 CONSTRUCTION & MAINT, TRADE
TOTAL	122				110				
CLUSTER NO. 385									
385.04.0 JANITOR	531		28				30	199	171100 CUSTODIAL SERVICES
TOTAL	531		28		503		30	199	

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	ADULT	POST SECONDARY	SECONDARY	VO-TECH SUPPLY	MINUS	DEMAND	FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	CLUSTERS OF PROGRAMS
CLUSTER NO. 390												
625.281.0 DIESEL MECHANIC	293		7	66	103			15			46	171200 DIESEL MECHANICS
TOTAL	293		7	66	103		117	15			46	
CLUSTER NO. 395												
721.281.0 ELECTRIC MOTOR REPAIRMAN	71										9	171403 MOTOR REPAIRMAN
TOTAL	71						71				9	
CLUSTER NO. 400												
726.781.0 ELECTRONIC ASSEMBLER	290										346	
826.281.0 ELECTRONIC MECHANIC	74										52	
TOTAL	364		95		84		185				398	171502 ELECTRONICS

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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	VO-TECH SUPPLY		DEMAND		OTHER SUPPLY		CLUSTERS OF PROGRAMS
	SECONDARY	POST SECONDARY	ADULT	MINUS VO-TECH SUPPLY	FEDERAL	PRIVATE SCHOOLS	
CLUSTER NO. 405							
720.281.0 RADIO AND TV REPAIRMAN							160191 ELEC REPAIRMAN (RADIO/TV)
823.281.0 RADIO MECHANIC							171503 RADIO/TV
TOTAL	60	22	47	26			36 15 51
CLUSTER NO. 410							
361.385.0 LAUNDRY PERSONNEL	2	1					21
TOTAL	2	1		223			21
CLUSTER NO. 415							
132.288.0 COPY READER							
651.782.0 CYLINDER-PRESS MAN							
651.782.1 OFFSET-PRESS MAN	82	43	6				171902 PRINTING
TOTAL	82	43	6	37			2 7 23 32

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	CLUSTER NO.	DEMAND	VO-TECH SUPPLY	POST SECONDARY	ADULT	VO-TECH SUPPLY MINUS	DEMAND	FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 420												
518.381.0 COREMAKER	53									7		172301 FOUNDRY
TOTAL	53					53				7		
CLUSTER NO. 425												
500.280.0 MACHINIST	460								15	5		
500.381.0 LAYOUT MAN (MACHINE SHOP)	50									1		
601.230.0 TOOL AND DIE MAKERS	68									10		
601.250.1 TOOL MACHINE OPERATOR	75							52		3		
603.280.0 PRECISION GRINDER	78									6		
609.635.0 PRODUCTION MACHINE TOOL OPERATOR	531							39		34		
615.732.0 SHEAR OPERATOR	87									20		
735.634.0 BENCH GRINDER	123			129		66				9		172302 MACHINE SHOP
TOTAL	1,472		30	129	66	1,247		91	15	88		

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VD-TECH SUPPLY	ADULT	VD-TECH SUPPLY	MINUS	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 430							
806.791.0 AIRCRAFT-STRUCTURE ASSEMBLER	87						13
907.694.0 AIRCRAFT SUB-ASSE- MBLY ASSEMBLER	78	38					12
TOTAL	165	38		127	20	20	25
CLUSTER NO. 435							
617.380.0 BRAKE OPERATOR	68						7
619.360.0 METAL FARRICATOR	153						3
804.281.0 SHEET METAL WORKER	279	38	30				51
TOTAL	500	38	30	432			61

170401 AIRCRAFT
MAINTENANCE
METAL TRADES,
COMBINED

172305 SHEET METAL

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY		DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY	CLUSTERS OF PROGRAMS.
		SECONDARY	ADULT			
CLUSTER NO. 440						
810.782.0 WELDING MACHINE OPERATOR	138					17
810.884.0 WELDER, ARC					19	
812.884.0 WELDER, COMBINATION	837				41	126
816.782.0 FLAME CUTTER MA- CHINE OPERATOR	30					6
816.884.0 FLAME CUTTER, HAND	37					8
TOTAL	1,042	258	147	637	254	157
						172306 WELDING AND CUTTING
CLUSTER NO. 445						
500.380.0 PLATER (ELECTRO PLATING)	30					6
TOTAL	30			30		6
						172399 METALWORKING
CLUSTER NO. 450						
504.782.0 HEAT TREATER	43					3
TOTAL	43			43		3
						160114 METALURGICAL TECHNOLOGY 172400 METALURGY

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY SECONDARY POST SECONDARY ADULT	DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY PRIVATE SCHOOLS DESC. REGISTR.	CLUSTERS OF PROGRAMS
CLUSTER NO. 455					
373.864.0 FIREMAN	121	29			160602 FIRE SAFETY 172801 FIREMAN TRAINING
TOTAL	121	29	92		20
CLUSTER NO. 460					
375.268.0 POLICEMAN	171				
377.868.0 DEPUTY SHERIFF	34	12			160605 POLICE SCIENCE 172802 LAW ENFORCEMENT TRAINING
TOTAL	205	12	193		34
CLUSTER NO. 465					
168.168.0 BUILDING INSPECTOR	27				
TOTAL	27		27		172899 PUBLIC SERVICE OCCUPATIONS

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	POST SECONDARY	ADULT	VO-TECH SUPPLY MINUS	DEMAND	OTHER SUPPLY	FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	CLUSTERS OF PROGRAMS
CLUSTER NO. 470											
195.108.0 SOCIAL WORKER	121									59	172899 PUBLIC SERVICE OCCUPATIONS
TOTAL	121				121					59	
CLUSTER NO. 475											
195.228.0 RECREATION LEADER	75									34	172899 PUBLIC SERVICE OCCUPATIONS
TOTAL	75				75					34	
CLUSTER NO. 480											
526.781.0 BAKER	89									12	172901 BAKER
TOTAL	89				78					12	
CLUSTER NO. 485											
313.131.0 CHEF	55									16	
313.381.0 COOK	1,269		24					8		281	172902 COOK/CHEF
TOTAL	1,324	24	22		1,278			8		297	

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND		VD-TECH SUPPLY		DEMAND		OTHER SUPPLY		CLUSTERS OF PROGRAMS
	DEMAND	DEMAND	POST SECONDARY	ADULT	VD-TECH SUPPLY	NINUS	FEDERAL SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 490									
316.884.0 MEAT CUTTER	240							57	
525.381.0 BUTCHER, ALL ROUND	111							28	
525.884.0 BOMER OR SKINNER	45		10	12			50	14	172903 BUTCHER (MEAT CUTTER)
TOTAL	396		10	12	374		50	99	

CLUSTER NO. 495									
318.887.0 DISHWASHER	651							424	172999 QUANTITY FOOD OCCUP., OTHER
TOTAL	651				651			424	

CLUSTER NO. 500									
625.281.1 SMALL ENGINE REPAIRMAN	226		54	17	53			59	173100 SMALL GASOLINE ENGINE REPAIR
TOTAL	226		54	17	53	102		59	



MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	ADULT	POST SECONDARY/SECONDARY	MINUS VG-TECH SUPPLY	FEDERAL	PRIVATE SCHOOLS REGISTR.	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 505									
950.782.0 STATIONARY ENGINEER	92								16
952.782.0 POWER PLANT OPERATOR	49								9
TOTAL	141				141				25
173200 STATIONARY ENERGY SOURCES OCC									
CLUSTER NO. 510									
780.381.0 FURNITURE UPHOLSTERER	103								16
TOTAL	103	11	41	7	41				16
173500 UPHOLSTERY									
CLUSTER NO. 515									
660.280.0 CABINETMAKER	114								33
669.530.0 MILLMAN	82								7
763.361.0 FURNITURE FINISHER	87	2		25					8
TOTAL	283	39	48	23	194				48
173600 WOODWORKING 173601 CABINET MAKING									

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY	POST SECONDARY	ADULT	VO-TECH SUPPLY	DENAND MINUS	OTHER SUPPLY	CLUSTERS OF PROGRAMS
CLUSTER NO. 525								
706.684.0 ASSEMBLER, METAL PRODUCTS	998			40				179900 TRADE AND IN- DUSTRIAL OCC.
TOTAL	998			40	958			140 140
CLUSTER NO. 530								
184.168.0 TRAFFIC MANAGER	51							21
902.883.0 DUMP TRUCK DRIVER	130							24
904.883.0 TRACTOR TRAILER TRUCK DRIVER	366							152
905.683.0 TRUCK DRIVER (HEAVY)	475							235
906.683.0 TRUCK DRIVER (LIGHT)	504							154
913.463.0 BUS DRIVER	214							45
922.383.0 FORKLIFT OPERATOR	262							59
929.887.0 MATERIAL HANDLER	1,108	15			46		20	246
TOTAL	3,110	15		46	3,049		20	936
CLUSTER NO. 535								
859.281.0 MAINTENANCE MAN EQUIPMENT	388							171003 HEAVY EQUIPMENT
TOTAL	388				388			25 25

CHAPTER III

A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VOCATIONAL-TECHNICAL SUPPLY

In this chapter a descending rank order of program clusters by demand minus vocational-technical supply is presented. The program cluster with the greatest net manpower demand is ranked one (1) and is followed in order by the program clusters with lesser demand.

It must be remembered that the net manpower demand figures are only projections not absolute values. Comparison of the ranks of specific clusters must be accompanied by an examination of the difference in net manpower demand between the clusters.

The rank ordering is provided as a simple analysis of the tables. It may be used to quickly identify program clusters by vocational and technical divisions in which training is needed on a statewide and/or regional basis.

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	N. E.	M. E.	S. E.	S. C.	E. C.	TULSA SMSA	N. C.	OKLA. CITY SMSA	S. W. C.	S. W.	N. W.
		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
1	CLUSTER: 45											
	OCCUPATIONS:											
	260-289.0 SALES OCCUPATIONS (GOODS)											
	290-298.0 SALES CLERK											
	292-359.0 SALESMAN-DRIVER (ROUTE/TEAM)											
	915-867.0 SERVICE STATION ATTENDANT											
	PROGRAMS:											
	010200 AGRICULTURAL SUPPLIES/SERV- ICE											
	040200 APPAREL AND ACCESSORIES											
	040300 AUTOMOTIVE											
	040400 FIFTEEN											
	040500 DISTRIBUTION GENERAL											
	040600 MERCHANDISE											
	040900 HOUS. BLDG. MAT. FASH SUPPLIES & EQP											
	041000 HOME FURNISHING											
	041200 INDUSTRIAL MARKETING											
	041400 INTERNATIONAL TRADE											
	041600 PETROLEUM											
	041800 RECREATION AND TOURISM											
	042000 RETAIL TRADE											
	043100 WHOLESALE TRADE											
	09C204 HOME FURNISHING SERVICES											
		3,517	171	253	136	146	201	833	162	202	85	91

A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E.	M. E.	S. E.	S. C.	E. C.	TULSA S.M.S.A.	N. C.	OKLA. CITY S.M.S.A.	S. W. C.	S. W.	N. W.
1		3,049	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
2	CLUSTER: 530												
	OCCUPATIONS:												
	164.165.C TRAFFIC MANAGER												
	902.883.C DUMP TRUCK DRIVER												
	904.683.C TRACTOR TRAILER TRUCK DRIVER												
	905.883.C TRUCK DRIVER (HEAVY)												
	906.883.C TRUCK DRIVER (LIGHT)												
	913.463.C FMC DRIVER												
	922.883.C FORKLIFT OPERATOR												
	929.887.C MATERIAL HANDLER												
	PROGRAMS:												
	179901 TRUCK DRIVER	3,049	202	150	103	125	186	823	151	982	178	94	55



A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
3	CLUSTER: 220											
	OCCUPATIONS:											
	166.263.0 COST ESTIMATOR											
	169.263.0 CLAIMS EXAMINER											
	166.165.0 BANK CASHIER											
	209.388.1 STATEMENT CLERK											
	210.385.0 BOOKBINDER											
	211.365.0 CASHIER											
	212.366.0 BANKING TELLER											
	215.385.0 BOOKKEEPING MA-											
	215.422.0 CAMPE OPERATOR											
	217.353.0 PAYROLL CLERK											
	217.353.0 TOLLSIT CLERK											
	219.458.0 ACCOUNTING CLERK											
	249.358.0 CREDIT CLERK											
	249.358.1 CLAIMS CLERK											
	249.368.2 (INSURANCE)											
	249.368.2 NET ACCOUNT CLERK											
	PROGRAMS:											
	140100 ACCOUNTING AND	146	140	93	125	146	792	164	1,102	195	70	49
	COMPUTING											
	CLUSTER: 230											
	OCCUPATIONS:											
	202.385.0 CLERK-TYPIST											
	219.389.3 GENERAL OFFICE											
	CLERK											
	237.355.0 ADMITTING CLERK											
	249.328.0 LOAN CLOSER											
	PROGRAMS:											
	140300 GENERAL OFFICE											
	CLERICAL OCCUP.											
	140700 TYPING & RELATE											
	OCCUPATIONS	44	39	72	45	125	725	95	773	71	50	24
		2,063										

A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
5	CLUSTER: 205	1,951	179	64	126	213	304	114	169	225	218	106	233
	OCCUPATIONS:												
	731.864.0 CUTTER (HAND OR MACHINE)												
	785.381.0 SEAMSTRESS OR TAILOR												
	786.752.0 SEWING MACHINE OPERATOR												
	PROGRAMS:												
	090202 CLOTHING MGMT. PROD. & SERVICE												
	090204 HOME FURNISHING SERVICES												
	173302 TAILORING												
6	CLUSTER: 250	1,617	36	56	32	56	85	483	55	708	34	50	22
	OCCUPATIONS:												
	201.269.0 SECRETARY												
	202.358.0 STENOGRAPHER												
	PROGRAMS:												
	140700 SECRETARY OR STENOGRAPHER												

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	S.M.C. #8	S. W. #9	N. W. #10	N. W. #11
7	CLUSTER: 50	1,597	97	201	94	94	100	290	116	338	130	78	59
	OCCUPATIONS:												
	310.FOOD POSTESS												
	311.75.0 WAITRESS OR WAITER												
	319.130.0 FOOD SERVICE SUPERVISOR												
	PROGRAMS:												
	040700 FOOD SERVICES												
	090203 FOOD MANAGEMENT												
	172900 REST. S. SERVICE												
	172900 OTHER FOOD OCCUPATIONS												
	172904 WAITER OR WAITRESS												
8	CLUSTER: 395	1,278	44	75	36	63	31	341	72	481	80	36	19
	OCCUPATIONS:												
	315.121.0 CHEF												
	315.121.0 COOK												
	PROGRAMS:												
	172902 COOK/CHEF												

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	* DEMAND	* MINUS	* VO-TECH	* SUPPLY	N. E.	H. E.	S. E.	S. C.	E. C.	TULSA	N. C.	OKLA. CITY	S.M.C.	S. W.	N. W.
		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11				
9	CLUSTER: 425	195	74	23	50	85	426	132	238	13	7	4				
	OCCUPATIONS:															
	600.280.0 MACHINIST															
	600.381.0 LAYOUT MAN (MACHINE SHOP)															
	601.280.0 TOOL AND DIE MAKERS															
	601.280.1 TOOL MACHINE OPERATOR															
	603.280.0 PRECISION GRINDER															
	609.885.0 PRODUCTION MACHINE TOOL OPERATOR															
	615.792.0 SHEAR OPERATOR															
	705.884.0 BENCH GRINDER															
	PROGRAMS:															
	172302 MACHINE SHOP	1,247	195	74	23	50	85	426	132	238	13	7	4			
10	CLUSTER: 110															
	OCCUPATIONS:															
	355.978.0 NURSE AIDE															
	PROGRAMS:															
	070303 NURSE ASST. (AIO/ORDERLY)	1,216	11	90	46	136	101	290	53	313	62	60	54			
11	CLUSTER: 525															
	OCCUPATIONS:															
	706.884.0 ASSEMBLER, METAL PRODUCTS															
	PROGRAMS:															
	179900 TRADE AND INDUSTRIAL OCC.	958	195	26	9	8	54	235	221	153	65	-13	5			



A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	DKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
12	CLUSTER: 355												
	OCCUPATIONS:												
	741.684.0 SPRAY PAINTER												
	541.781.0 PAINTER OR PAPERHANGEP												
	860.381.0 CARPENTER												
	879.361.0 MAINTENANCE MAN, BUILDING												
	PROGRAMS:												
	160197 BUILDING												
	171001 CONSTRUCTION CARPENTRY	717	-8	-33	-29	16	25	245	70	353	54	17	7
13	CLUSTER: 495												
	OCCUPATIONS:												
	318.287.0 DISHWASHER												
	PROGRAMS:												
	172999 QUANTITY FOOD OCCUP., OTHER	651	32	40	23	27	30	175	29	226	41	17	11

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

CLUSTER	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S. W. #9	N. W. #10	#11
14	CLUSTER: 440 OCCUPATIONS: 810.752.0 WELDING MACHINE OPERATOR 810.800.0 WELDER, ARC 810.824.0 WELDER, COMBINATION; 25.732.0 PLANT CUTTER MA- CHINE OPERATOR 818.567.0 PLANE CUTTER, HAND	637	28	64	33	21	14	310	64	63	6	13	21
15	CLUSTER: 210 OCCUPATIONS: 211.1 H.O. HOUSEKEEPER	547	18	40	15	19	30	159	16	177	36	22	13
16	CLUSTER: 395 OCCUPATIONS: 392.534.0 JANITOR	503	24	28	16	23	21	151	26	168	30	11	5
	PROGRAMS: 17110 CUSTODIAL SERVICES												

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
17	CLUSTER: 240												
	OCCUPATIONS:												
	232.308.C POST OFFICE CLERK												
	233.308.C MAIL CARRIER												
	PROGRAMS:												
	140403 MAIL AND POSTAL CLERKS	462	17	25	10	11	13	133	12	204	23	10	4
18	CLUSTER: 305												
	OCCUPATIONS:												
	020.168.C BUSINESS PROGRAMMER												
	213.182.C DIGITAL COMPUTER OPERATOR												
	219.355.C PROGRAM CODER												
	PROGRAMS:												
	160401 COMPUTER SCIENCE	457	12	-7	-2	4	8	217	11	210	3	1	
19	CLUSTER: 435												
	OCCUPATIONS:												
	617.180.C BRAKE OPERATOR												
	619.230.C METAL FABRICATOR												
	804.231.C SHEET METAL WORKER												
	PROGRAMS:												
	172305 SHEET METAL	432	41	15	15	20	30	140	29	111	24	3	4

A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
20	CLUSTER: 360												
	OCCUPATIONS:												
	921.391.0 LINEMAN												
	922.381.0 TELEPHONE INSTALLER												
	924.261.0 ELECTRICIAN												
	929.381.0 CARLE SPLICER												
	PROGRAMS:												
	171002 ELECTRICITY	405	9	8	20	29	25	72	30	144	41	18	9
	171400 ELECTRICIAN RELATED												
21	CLUSTER: 25												
	OCCUPATIONS:												
	142.081.0 FLORAL DESIGN												
	406.188.0 GREENHOUSE MAN												
	407.884.0 GROUNDS KEEPER												
	PROGRAMS:												
	010500 ORNAMENTAL HORTICULTURE	398	15	45	9	40	14	68	36	110	23	8	10
	040500 FLORISTRY												
22	CLUSTER: 535												
	OCCUPATIONS:												
	959.281.0 MAINTENANCE MAN EQUIPMENT	388	34	16	19	21	23	113	26	89	29	11	7

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A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
23	CLUSTER: 490												
	OCCUPATIONS:												
	315.384.0 MEAT CUTTER												
	525.281.0 BUTCHER, ALL ROUND												
	525.334.0 BOMER OR SKINNER												
	PROGRAMS:												
	172903 BUTCHER (MEAT CUTTER)	374	11	28	12	21	12	88	14	165	18	4	9
24	CLUSTER: 370												
	OCCUPATIONS:												
	544.694.0 CEMENT MASON												
	951.381.0 BRICKLAYER												
	PROGRAMS:												
	171004 MASONRY	330	16	-22	25	21	23	72	26	98	29	20	22
25	CLUSTER: 60												
	OCCUPATIONS:												
	165.168.0 SPECIAL AGENT												
	159.168.0 UNDERWRITER												
	241.168.0 CLAIM ADJUSTER												
	250.258.0 INSURANCE SALESMAN												
	PROGRAMS:												
	041300 INSURANCE	318	16	10	5	9	10	88	15	147	14	2	1

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	* DEMAND	* MINUS	* VO-TECH	* SUPPLY	N. E.	M. E.	S. E.	S. C.	E. C.	TULSA	N. C.	DKLA.	CITY	S.W.C.	S. W.	N. W.
		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11					
26	CLUSTER: 365	307	12	17	16	24	21	59	24	96	22	9	7				
	OCCUPATIONS:																
	515.752.C GRINDING MILL OP- ERATOR (MIPING)																
	859.983.C HEAVY EQUIPMENT OPERATOR																
	PROGRAMS:																
	171003 HEAVY EQUIPMENT	307	12	17	16	24	21	59	24	96	22	9	7				
27	CLUSTER: 235																
	OCCUPATIONS:																
	235.252.C TELEPHONE OPERATOR																
	PROGRAMS:																
	140400 INFORM, COMMUN- ICATIONS OCCUP.	285	19	24	10	14	15	59	16	111	25	12	4				
28	CLUSTER: 30																
	OCCUPATIONS:																
	252.258.0 SERVICE SALESMAN																
	PROGRAMS:																
	040100 ADVERTISING SERVICES																
	040400 FINANCE AND CREDIT	275	20	24	11	8	11	71	10	100	12	4	4				

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
29	CLUSTER: 225	261	46	14	8	-5	6	82	-4	120	-11	5	
	OCCUPATIONS:												
	213.000.0 DATA ENTRY EQUIP- MENT OPERATOR												
	PROGRAMS:												
	140200 BUSINESS DATA PROCESSING												
30	CLUSTER: 105												
	OCCUPATIONS:												
	079.378.0 LICENSED PRACTICAL NURSE (L.P.N.)												
	PROGRAMS:												
	070302 PRACTICAL (VOC) NURSING	237	-20	3	5	57	36	67	18	36	23		12
31	CLUSTER: 410												
	OCCUPATIONS:												
	351.835.0 LAUNDRY PERSONNEL												
	PROGRAMS:												
	171600 LAUNDRING & DRY CLEANING	223	10	12	8	13	13	48	14	61	21	14	9

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VD-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VD-TECH SUPPLY	N. E. #1	H. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
32	CLUSTER: 55	220	9	16	7	8	10	53	10	79	12	11	5
	OCCUPATIONS:												
	242.368.0 HOTEL CLERK												
	PROGRAMS:												
	041100 HOTEL AND LODGING												
33	CLUSTER: 380												
	OCCUPATIONS:												
	638.281.0 MAINTENANCE MECHANIC MILLWRIGHT												
	801.781.0 STRUCTURAL STEEL WORKER												
	809.381.0 LAYOUT MAN (STRUCTURAL)												
	PROGRAMS:												
	171099 CONSTRUCTION & MAINT. TRADE	210	20	8	9	6	27	53	12	65	7	2	1
34	CLUSTER: 100												
	OCCUPATIONS:												
	075.378.0 REGISTERED NURSE BACC/DIPL, ASSOC												
	PROGRAMS:												
	070299 NURSING (BACC/LAUREATE)												
	070300 NURSING (DIPLOMA PROGRAM)												
	070301 NURSING (ASSOC-LATE DEGREE)	203	21	20	17	1	14	25	22	10	16	26	31

A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VO-TECH SUPPLY

PROGRAM CLUSTERS	N. E.	M. E.	S. E.	S. C.	E. C.	TULSA	N. C.	OKLA. CITY	S.M.C.	S. W.	N. W.
DEMAND MINUS VO-TECH SUPPLY	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
35	CLUSTER: 215										
	OCCUPATIONS:										
	359.878.1 TEACHER AIDE	9	14	11	16	17	17	48	23	10	6
36	CLUSTER: 75										
	OCCUPATIONS:										
	189.168.0 MANAGER, TRAINEE										
	PROGRAMS:										
	049901 MID MANAGEMENT	-29	24	5	10	17	7	89	17	-5	5
37	CLUSTER: 515										
	OCCUPATIONS:										
	660.230.0 CARINETHAKER										
	659.360.0 MILLMAN										
	763.331.0 FURNITURE FINISHER										
	PROGRAMS:										
	173600 WOODWORKING										
	173601 CABINET MAKING	10	-3	-7	22	7	10	66	16	24	3
38	CLUSTER: 460										
	OCCUPATIONS:										
	375.768.0 POLICEMAN										
	377.868.0 DEPUTY SHERIFF										
	PROGRAMS:										
	150605 POLICE SCIENCE										
	172802 LAW ENFORCEMENT TRAINING	193	8	13	4	10	8	69	10	3	2

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND *MINUS *VO-TECH	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
39	CLUSTER: 20												
	OCCUPATIONS:												
	465.887.0 LIVESTOCK CARETAKER												
	919.887.0 YARDMAN												
	PROGRAMS:												
	010400 AGRICULTURAL PRODUCTS	189	1	5	63	7		21	12	45	5	16	14
40	CLUSTER: 400												
	OCCUPATIONS:												
	725.781.0 ELECTRONIC ASSEMBLER												
	828.281.0 ELECTRONIC MECHANIC												
	PROGRAMS:												
	171502 ELECTRONICS	185	21	31	28	37	16	5	-1	42	1	5	
41	CLUSTER: 245												
	OCCUPATIONS:												
	205.308.0 PERSONNEL CLERK												
	PROGRAMS:												
	140600 PERSONNEL, TRA- INING & RELATED	181	9	7	3	5	11	52	5	74	10	3	2

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
42	CLUSTER: 185												
	OCCUPATIONS:												
	219.388.1 WARD CLERK												
	PROGRAMS:												
	079902 WARD CLERK	177	9	12	4	16	13	41	5	59	9	4	5
43	CLUSTER: 270												
	OCCUPATIONS:												
	007.181.0 MECHANICAL ENGI- NEERING TECH												
	019.281.0 QUALITY CONTROL TECHNICIAN												
	PROGRAMS:												
	160113 MECHANICAL TECHNOLOGY	171	-5	2	1	6	7	51	10	93	3	2	1
44	CLUSTER: 375												
	OCCUPATIONS:												
	362.381.0 PLUMBER AND PIPEFITTER												
	PROGRAMS:												
	171007 PLUMBING AND PIPEFITTING	167	11	1	11	10	20	16	16	45	18	12	7

A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND * MINUS * VO-TECH * SUPPLY	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
45	CLUSTER: 300												
	OCCUPATIONS:												
	001.281.0 DRAFTSMAN												
	ARCHITECTURAL												
	003.281.0 DRAFTSMAN												
	ELECTRICAL												
	003.281.1 DRAFTSMAN												
	ELECTRONIC												
	005.281.0 DRAFTSMAN												
	CIVIL												
	007.181.1 DIE DESIGNER												
	007.281.0 DRAFTSMAN,												
	MECHANICAL												
	010.281.0 DRAFTSMAN,												
	GEOLOGICAL												
	017.281.0 DRAFTSMAN, MAP												
	PROGRAMS:												
	160198 DRAFTING AND	141	-6	-8	-13	-2	-4	69	5	138	-40	1	1
	DESIGN												
	171300 DRAFTING												
45	CLUSTER: 505												
	OCCUPATIONS:												
	950.782.0 STATIONARY												
	ENGINEER												
	952.782.0 POWER PLANT												
	OPERATOR												
	PROGRAMS:												
	173200 STATIONARY	141	9	10	5	3	7	34	10	47	12	3	1
	ENERGY SOURCES												
	OCC												



A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VD-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND * MINUS * VD-TECH * SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S. W. C. #9	S. W. #10	N. W. #11
47	CLUSTER: 265	137	4	3	4	9	7	36	6	55	9	4	
	OCCUPATIONS:												
	005.181.0 CIVIL ENGINEERING TECHNICIAN												
	018.188.0 SURVEYOR												
	PROGRAMS:												
	160106 CIVIL TECHNOLOGY												
48	CLUSTER: 430												
	OCCUPATIONS:												
	806.781.0 AIRCRAFT-STRUCTURE ASSEMBLER												
	807.884.0 AIRCRAFT SUB-ASSE- MBLY ASSEMBLER												
	PROGRAMS:												
	170401 AIRCRAFT MAINTENANCE												
	172304 METAL TRADES, COMBINED	127		-2				54	-3	83	-3		
49	CLUSTER: 335												
	OCCUPATIONS:												
	185.168.0 AUTO PARTS MANAGER												
	223.387.0 AUTO PARTS CLERK												
	PROGRAMS:												
	040300 AUTOMOTIVE												
	170399 AUTOMOTIVE SERVICES	126	4	6	1	5	6	21	2	73	10	-4	2



A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND *MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
50	CLUSTER: 470												
	OCCUPATIONS:												
	195.108.0 SOCIAL WORKER												
	PRCGRAMS:												
	172879 PUBLIC SERVICE OCCUPATIONS	121	3	10	13	9	8	17	4	39	12	4	2
51	CLUSTER: 390												
	OCCUPATIONS:												
	625.281.0 DIESEL MECHANIC												
	PROGRAMS:												
	171200 DIESEL MECHANICS	117	10	14	9	4	12	33	-1	47	-12	9	-8
52	CLUSTER: 200												
	OCCUPATIONS:												
	359.878.0 NURSERY SCHOOL ATTENDANT												
	PROGRAMS:												
	090201 CARE AND GUID- ANCE OF CHILD- REN	111	-2	10	-1	8	7	36	11	35	9	-6	4

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A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	#1	#2	#3	#4	#5	E. C.	TULSA SMSA	N. C.	OKLA. CITY SMSA	S.H.C.	S. W.	N. W.
53	CLUSTER: 383													
	OCCUPATIONS:													
	638.281.0 MAINTENANCE MECHANIC MILLWRIGHT													
	PROGRAMS:													
	171099 CONSTRUCTION & MAINT. TRADE	110	18	11	14	8	3		15	11	25	2	3	
54	CLUSTER: 500													
	OCCUPATIONS:													
	025.281.1 SMALL ENGINE REPAIRMAN													
	PROGRAMS:													
	173100 SMALL GASOLINE ENGINE REPAIR	102	6	-2	7	8	-6		41	2	57	-15	3	1
55	CLUSTER: 270													
	OCCUPATIONS:													
	003.181.0 ELECTRONICS TECHNICIAN													
	003.181.1 ELECTRICAL TECHNICIAN													
	PROGRAMS:													
	160107 ELECTRICITY													
	150108 ELECTRONIC TECHNOLOGY	100	13	-1	-4	1	-23		65	-2	59	-5	-3	



A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND *MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA, CITY SMSA #8	S.W.C, S. W. #9	N. W. #10 #11
56	CLUSTER: 260 OCCUPATIONS: 029.281.0 LABORATORY TESTER PROGRAMS: 160105 CHEMICAL TECHNOLOGY	97	6	4	2	5	8	27	16	19	6	3
57	CLUSTER: 455 OCCUPATIONS: 373.884.C FIREMAN PROGRAMS: 150502 PIPE SAFETY 172801 FIREMAN TRAINING	92	4	5	2	5	-14	30	5	45	7	2
58	CLUSTER: 320 OCCUPATIONS: 827.281.C HOUSEHOLD APPLI- ANCE REPAIRMAN PROGRAMS: 170201 APPLIANCE REPAIR	83	4	7	4	3	2	22	7	25	5	3
59	CLUSTER: 480 OCCUPATIONS: 526.781.0 BAKER PROGRAMS: 172901 BAKER	78	3		2	7	4	18	5	29	7	2

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A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S. W. #9	N. W. #11
60	CLUSTER: 10											
	OCCUPATIONS:											
	162.158.0 BUYER (WHOLESALE/RETAIL AGRI)											
	520.885.0 FEED/FERTILIZER MIXER											
	PROGRAMS:											
	010200 AGRICULTURAL SUPPLIES/SFRV-ICE	76	6	6	4	1	10	13	32	8	-3	-1
51	CLUSTER: 120											
	OCCUPATIONS:											
	079.378.2 SURGICAL TECHNICIAN											
	PROGRAMS:											
	070305 SURGICAL TECHNICIAN	75	1	8	3	5	7	3	15	0	4	4
51	CLUSTER: 475											
	OCCUPATIONS:											
	195.228.0 RECREATION LEADER											
	PROGRAMS:											
	172899 PUBLIC SERVICE OCCUPATIONS	75	4	6	3	7	7	13	6	5	3	2

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND *MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
63	CLUSTER: 395 OCCUPATIONS: 721.281.0 ELECTRIC MOTOR REPAIRMAN PROGRAMS: 171403 MOTOR REPAIRMAN	71	4	6	3	2	4	18	3	27	2	1	1
64	CLUSTER: 115 OCCUPATIONS: 355.878.1 PSYCHIATRIC AIDE PROGRAMS: 070304 PSYCHIATRIC AID	70	24					3		16			27
65	CLUSTER: 5 OCCUPATIONS: 190.118.0 FIELDMAN 404.887.0 PRUNER--PICKER 409.168.0 FARM MANAGER 413.181.0 FEEDLOT WORKER 421.883.0 FARM-HAND, GENERAL PROGRAMS: 010100 AGRICULTURAL PRODUCTION	61	29	49	24	-23	-69	8	73	-21	-35	27	-1

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A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND *MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SHSA #6	N. C. #7	OKLA. CITY SHSA #8	S.W.C. #9	S. W. #10	N. W. #11
66	CLUSTER: 180												
	OCCUPATIONS:												
	249.388.1 MEDICAL RECORD CLERK												
	PROGRAMS:												
	079901 MEDICAL RECORD CLERK	55	5	6	1	7	6	8	3	9	6	3	1
67	CLUSTER: 80												
	OCCUPATIONS:												
	079.378.1 DENTAL OFFICE ASSISTANT												
	PROGRAMS:												
	070101 DENTAL ASSISTING	53	7	8	5	9	10	6	-2	-2	4	5	3
67	CLUSTER: 420												
	OCCUPATIONS:												
	518.381.0 COREMAKER												
	PROGRAMS:												
	172301 FOUNDRY	53	22	3	2	11	9	5					
69	CLUSTER: 196												
	OCCUPATIONS:												
	712.381.0 DENTAL LABORATORY TECHNICIAN	52	1	2	1	2	1	23	1	21	1	1	

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E.	M. E.	S. E.	S. C.	E. C.	TULSA SMSA	N. C.	OKLA. CITY SMSA	S.W.C.	S. W.	N. W.
		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	
70	CLUSTER: 280												
	OCCUPATIONS:												
	012.288.0 INDUSTRIAL ENGI- NEERING TECH.	49	3	1	1	2	18	1	18	4			
	PROGRAMS:												
	16011 INDUSTRIAL TECHNOLOGY												
71	CLUSTER: 295												
	OCCUPATIONS:												
	542.280.0 STILLMAN (PETROL- EUM REFINING)												
	549.380.0 PUMPYAN (PETROLEUM REFINING)												
	PROGRAMS:												
	16016 PETROLEUM TECHNOLOGY	45	3		7		14	10	5	2	3	1	
72	CLUSTER: 510												
	OCCUPATIONS:												
	780.321.0 FURNITURE UPHOLSTERER												
	PROGRAMS:												
	173500 UPHOLSTERY	44	11	-13	5	19	4	6	8	-8	2	1	



A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED F' DEMAND MINUS VD-TECH SUPPLY

RANK	PROGRAM CLUSTERS	#DEMAND #MINUS #VD-TECH #SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S. W. C. #9	S. W. #10	N. W. #11
73	CLUSTER: 450												
	OCCUPATIONS:												
	504.792.G HEAT TREATER												
	PROGRAMS:												
	160114 METALLURGICAL TECHNOLOGY												
	172400 METALURGY	43	9	5		2		13	5	8	1		
74	CLUSTER: 35												
	OCCUPATIONS:												
	165.068.0 PUBLIC RELATIONS												
	PROGRAMS:												
	040100 ADVERTISING SERVICES	41	1		1	1	1	12	1	21	2	1	
75	CLUSTER: 90												
	OCCUPATIONS:												
	078.381.0 MEDICAL LABORATORY ASSISTANT												
	PROGRAMS:												
	070203 MEDICAL LABORA- TORY ASSISTING	40	3	7	5	4	-1	17	-4	7	11	-12	3

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	* DEMAND * MINUS * VO-TECH * SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
75	CLUSTER: 285												
	OCCUPATIONS:												
	710.281.0 INSTRUMENT REPAIRMAN												
	PROGRAMS:												
	160112 INSTRUMENTATION TECHNOLOGY												
	172100 INSTRUMENT MAINT. & REPAIR	39	3	1	1	1	3	20	2	4	2	2	
76	CLUSTER: 165												
	OCCUPATIONS:												
	223.987.0 CENTRAL SUPPLY WORKER												
	PROGRAMS:												
	070905 CENTRAL SUPPLY TECHNICIAN	38	1	2	1	1	2	10	2	13	4	2	
77	CLUSTER: 130												
	OCCUPATIONS:												
	355.878.2 PHYSICAL THERAPIST AIDE												
	PROGRAMS:												
	070402 PHYSICAL THERAPY ASST. (AIO)	37	4	3	1	3	3	6	3	4	5	3	2

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A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	# DEMAND MINUS VO-TECH SUPPLY	N. E. #1	H. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	DKLA. CITY SMSA #8	S. W. C. #9	S. W. #10	N. W. #11
77	CLUSTER: 415												
	OCCUPATIONS:												
	132.288.0 COPY READER												
	651.782.0 CYLINDER-PRESS MAN												
	651.782.1 OFFSET-PRESS MAN												
	PROGRAMS:												
	171902 PRINTING	37	6	9	3	3	-1	-5	1	29	-10	1	1
78	CLUSTER: 340												
	OCCUPATIONS:												
	621.281.0 AIRCRAFT AND ENGINE MECHANIC												
	621.281.1 JET ENGINE MECHANIC												
	621.781.0 AIRCRAFT ACCESS- ORIES MECHANIC												
	PROGRAMS:												
	170401 AIRCRAFT MAINTENANCE	34	1	-2	1	2	-10	18	10	16	-1		-1
79	CLUSTER: 175												
	OCCUPATIONS:												
	079.378.5 COMMUNITY MENTAL HEALTH WORKER												
	PROGRAMS:												
	070915 COMMUNITY MENTAL HEALTH	31	1	4	5	3	2	13	-8	8	2	1	

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	* DEMAND	N. E.	H. E.	S. E.	S. C.	E. C.	TULSA	N. C.	OKLA.	S.W.C.	S. W.	N. W.
		* MINUS	#1	#2	#3	#4	#5	SMSA	#7	CITY	#9	#10	#11
		* VO-TECH								SMSA			
		* SUPPLY								#8			
79	CLUSTER: 65		2	2	2	1	3	5	2	11	2	1	
	OCCUPATIONS:												
	191.287.0 REAL ESTATE APPRAISER												
	PROGRAMS:												
	041700 REAL ESTATE	31											
80	CLUSTER: 198		3	4	1	2	2	5	2	8	2	1	
	OCCUPATIONS:												
	074.378.0 PHARMACY ASSISTANT	30											
80	CLUSTER: 445												
	OCCUPATIONS:												
	500.380.0 PLATER (ELECTRO PLATING)												
	PROGRAMS:												
	172399 METALWORKING	30		3			2	12		11	2		
81	CLUSTER: 160												
	OCCUPATIONS:												
	079.368.2 MEDICAL OFFICE ASSISTANT												
	PROGRAMS:												
	070904 MEDICAL OFFICE ASSISTANT												
	070914 MEDICAL ASSISTANT	28	7	5	4	6	2	6	4	12	13	2	3



A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND IN JS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND * MINUS * VO-TECH * SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SHSA #6	N. C. #7	OKLA. CITY SHSA #8	S.W.C. #9	S. W. #10	N. W. #11
82	CLUSTER: 465												
	OCCUPATIONS:												
	168.168.0 BUILDING INSPECTOR												
	PROGRAMS:												
	172899 PUBLIC SERVICE OCCUPATIONS	27	2	2	1	1	2	6	2	7	3	1	
83	CLUSTER: 505												
	OCCUPATIONS:												
	720.281.0 RADIO AND TV REPAIRMAN												
	823.281.0 RADIO MECHANIC												
	PROGRAMS:												
	160191 ELEC REPAIRMAN (RADIO/TV)												
	171503 RADIO/TV	26	-9	5	3	1	5	16		7	-10	4	4
84	CLUSTER: 310												
	OCCUPATIONS:												
	139.238.0 TECHNICAL PUBLICA- TIONS WRITER												
	PROGRAMS:												
	160699 TECHNICAL WRITING	22	1					8		13			

A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VD-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VD-TECH *SUPPLY	N. E. #1	H. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	DKLA. CITY SMSA #8	S. W.C. #9	S. W. #10	N. W. #11
85	CLUSTER: 350												
	OCCUPATIONS:												
	143.062.0 PHOTOGRAPHER OR CAMERAMAN												
	PROGRAMS:												
	170900 COMMERCIAL PHOTOGRAPY	19	-9		1	1	2	4	1	22	-1	-2	
86	CLUSTER: 150												
	OCCUPATIONS:												
	078.366.1 E.K.G. TECHNICIAN												
	PROGRAMS:												
	070902 E.K.G. TECH- NICIAN	18		2	1	1	1	3	1	7	1	1	
86	CLUSTER: 190												
	OCCUPATIONS:												
	079.378.4 DIETARY TECHNICIAN												
	PROGRAMS:												
	079911 DIETARY TECHNICIAN	18	3	3				6	1	2	2	1	1

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND * MINUS * VO-TECH * SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SHSA #6	N. C. #7	OKLA. CITY SHSA #8	S.W.C. #9	S. W. #10	N. W. #11
86	CLUSTER: 345												
	OCCUPATIONS:												
	141.081.0 ILLUSTRATOR--COM- MERCIAL ARTIST												
	141.081.1 LAYOUT MAN (PRINT. & PUBLISHING)												
	PROGRAMS:												
	170700 COMMERCIAL ART	18	2	2	1			-3		26	-10		
89	CLUSTER: 85												
	OCCUPATIONS:												
	078.368.3 DENTAL HYGIENIST												
	PROGRAMS:												
	070102 DENTAL HY- GIENIST (ASSOC)	17	1	2	1	3	3	4	2	-3	2	1	1
90	CLUSTER: 40												
	OCCUPATIONS:												
	132.088.0 COPY WRITER												
	PROGRAMS:												
	040100 ADVERTISING SERVICES	14	1	1			1	3	1	6	1		

A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND	*MINUS	*VO-TECH	*SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
91	CLUSTER: 135															
	OCCUPATIONS:															
	078.368.2 RADIOLOGIC TECHNOLOGIST															
	PROGRAMS:															
	070501 RADIOLOGIC TECH. (X-RAY)	10	3			5	2	3	4	3	4	3	4	3	2	1
92	CLUSTER: 95															
	OCCUPATIONS:															
	100.388.0 MEDICAL RECORD LIBRARIAN															
	PROGRAMS:															
	070210 MEDICAL RECORD TECHNICIAN	8	1			1	1	1	1	1	1	2	1	-2	1	
92	CLUSTER: 275															
	OCCUPATIONS:															
	633.291.0 MAINTENANCE MECHANIC WILBURRIGHT															
	710.281.1 ELECTROMECHANICAL TECHNICIAN															
	PROGRAMS:															
	660109 ELECTROMECHANIC TECHNOLOGY	8	4			5	1	-2	4	4	-15		10		1	

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	#1	#2	M. E.	S. E.	S. C.	E. C.	TULSA SMSA	N. C.	OKLA, CITY SMSA	S.W.C.	S. W.	N. W.
94	CLUSTER: 145													
	OCCUPATIONS:													
	079.368.C E.F.G. TECHNICIAN													
	PROGRAMS:													
	070901 E.F.G. TECHNICIAN	7	2				1	2						
95	CLUSTER: 125													
	OCCUPATIONS:													
	079.368.I OCCUPATIONAL THERAPIST AIDE													
	PROGRAMS:													
	070401 OCCUPATIONAL THERAPY ASST.	1	1	-5				4	1					1
95	CLUSTER: 195													
	OCCUPATIONS:													
	729.281.0 BIOMEDICAL ELECT. EQUIPMENT TECH.													
	PROGRAMS:													
	079921 BIOMEDICAL ELECTRONIC EQUIP. TEC	1	1					2						-2

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND # MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S. W. C. #9	S. W. #10	N. W. #11
97	CLUSTER: 140												
	OCCUPATIONS:												
	079.378.3 ENVIRONMENTAL HEALTH TECH.												
	PROGRAMS:												
	070721 ENVIRONMENTAL HEALTH TECH	0						-2		2			
97	CLUSTER: 170												
	OCCUPATIONS:												
	355.878.4 MEDICAL EMERGENCY TECHNICIAN												
	PROGRAMS:												
	070907 MEDICAL EMER- GENCY TECH.	0	-14	2	4	7	2	4	1	-6			
99	CLUSTER: 155												
	OCCUPATIONS:												
	079.368.0 INHALATION THERAPIST												
	PROGRAMS:												
	070903 INHALATION THERAPY TECH.	-3	3	3	2	2	4	10	3	-37	6	1	

A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

CLUSTER	PROGRAMS	DEMAND MINUS VO-TECH SUPPLY	OKLA. CITY SMSA	N. C.	TULSA SMSA	E. C.	S. C.	M. E.	S. E.	S. C.	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
100	CLUSTER: 70																				
	PROGRAMS:																				
	162.158.1 PURCHASING AGENT																				
	PROGRAMS:																				
	070900 DISTRIBUTIVE EDUCATION, OTHER	-5						1								18					
	PROGRAMS:																				
	070503 NUCLEAR MED TECHNOLOGY	-5						1								2					
	PROGRAMS:																				
100	CLUSTER: 197																				
	PROGRAMS:																				
	078.381.1 NUCLEAR MEDICINE TECHNOLOGIST																				
	PROGRAMS:																				
	140800 SUPERVISORY & ADMIN. MGMT.	-12														4					
	PROGRAMS:																				
102	CLUSTER: 255																				
	PROGRAMS:																				
	162.228.C TITLE CLERK																				
	PROGRAMS:																				
	140800 SUPERVISORY & ADMIN. MGMT.	-5																			
	PROGRAMS:																				

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A DESCENDING ORDERING OF PROGRAM CLUSTERS
RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	* DEMAND	* MINUS	* VO-TECH	* SUPPLY	#1	#2	#3	#4	#5	E. C.	TULSA SMSA	N. C.	OKLA. CITY SMSA	S.W.C.	S. W.	N. W.
103	CLUSTER: 325	-14	-43	-5	-3	-8	11	29	-4	22	-16	-4	3	-2			
	OCCUPATIONS:																
	807.381.0 AUTO BODY REPAIRMAN																
	845.781.0 AUTO PAINTER																
	PROGRAMS:																
	170301 BODY AND FENDER																
104	CLUSTER: 330	-88	-57	-11	-13	-13	-1	44	-4	69	-103	3	-2				
	OCCUPATIONS:																
	620.231.0 AUTO MECHANIC																
	620.231.1 AJTD - AIR CONDITI- TIONING																
	PROGRAMS:																
	170302 AUTO MECHANICS																
105	CLUSTER: 315	-210	-22	-43	-19	-9	3	-39	-6	-17	-42	-12	-2				
	OCCUPATIONS:																
	637.281.0 AIR CONDITIONING MECHANIC																
	PROGRAMS:																
	170100 AIR CONDITION- ING																
	173000 REFRIGERATION																

A DESCENDING ORDERING OF PROGRAM CLUSTERS
 RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
106	CLUSTER: 15	-359	-33	-62	-78	-43	-47	-15	-13	-13	-10	-30	-15
	OCCUPATIONS:												
	599.965.0 MILL OPERATOR												
	624.281.0 AGRICULTURAL MECHANIC												
	PROGRAMS:												
	010300 AGRICULTURAL MECHANICS												
	179902 FARM MACHINERY REPAIR												

APPENDIX A

Oklahoma State Department of
Vocational and Technical Education
1515 W. 6TH Stillwater, Oklahoma 74074
Student Status Report-Due October 1

INSTRUCTIONS:

Division:
Voc. Class:
School:
Date:

- I. For each student on this report who was in your training program last year and is enrolled in the program again this year:
 1. Check to see if the student's social security number is correct. If it is not, write the correct social security number in the space (blocks) provided above the printed social security number.
 2. Check to see if the student's occupational objective number has changed. If it has, code the correct occupational objective code (see codes on back of sheet) in the space (blocks) provided above the printed occupational objective code.
 3. Write the name of the vocational class that the student is attending on the shaded line in the column headed Vocational Class.
- II. For a student on this report who has completed the training program, dropped out, transferred, or whose status is unknown enter the appropriate alphabetic letter listed below in the column headed Alpha Letter.
- III. For a student who was not in your program last year, enter the alphabetic letter "P" in the column headed Alpha Letter.

Soc. Sec. No.	Alpha Letter	Student Name	Occ. Obj. Code	Voc. Class
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

Alphabetic Letter:

COMPLETED THE TRAINING PROGRAM AND IS	
A	Working full time--in occupation for which trained
B	Working full time--in Related occupation
C	Working full time--in Unrelated occupation
D	Working part time (does not include those in school full time)
E	Continuing education full time in Related Vocational - Technical Field
F	Continuing education full time in Unrelated Vocational Technical or other field
G	In school in other course work
H	Not employed and Not seeking
I	Not employed but is seeking
DROPPED OUT OF THE PROGRAM AND IS	
J	Working full time--in Field for which trained
K	Working full time--not in Field for which trained
L	Not employed full time
M	Remaining in School
TRANSFERRED to another school	
N	Unknown or Deceased
O	Was not in training program
P	Comprehensive Home Ec

NOTE:

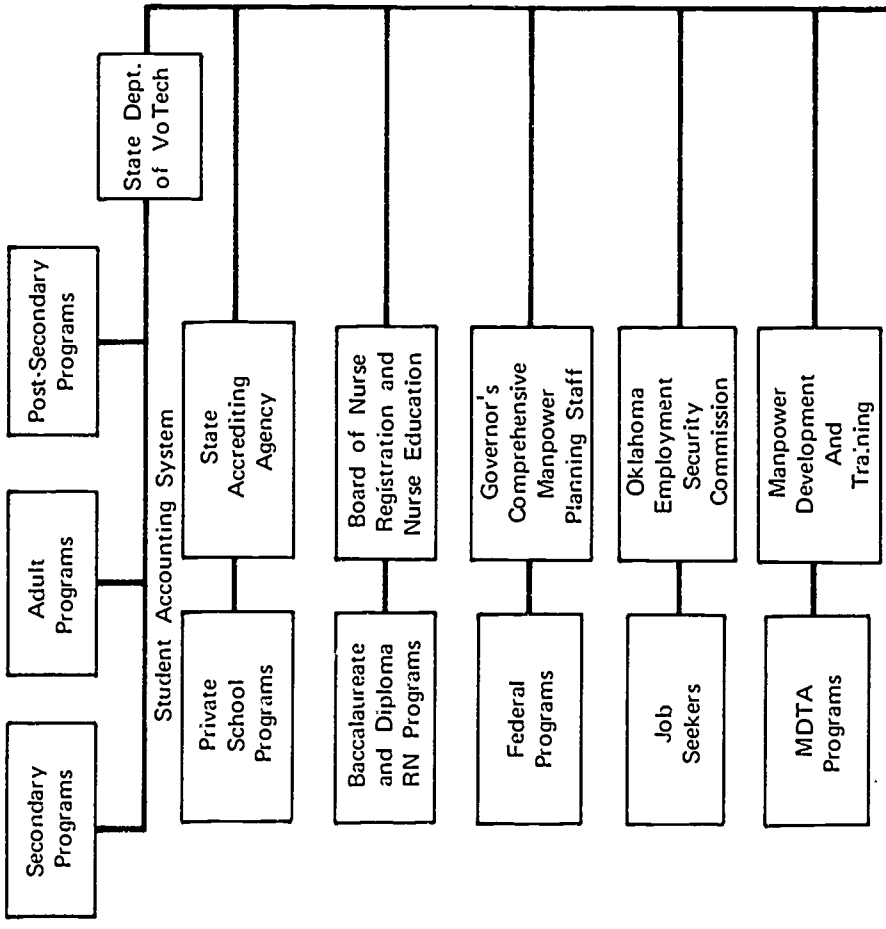
All students who are not on this printout but are enrolled in your program this year should be recorded on the enrollment form (SAS-1).

As the armed forces is voluntary, consider former students who are now in the armed forces as being employed.

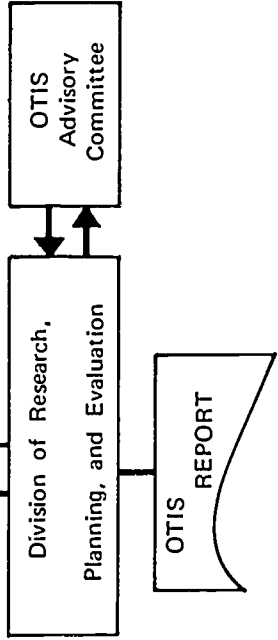
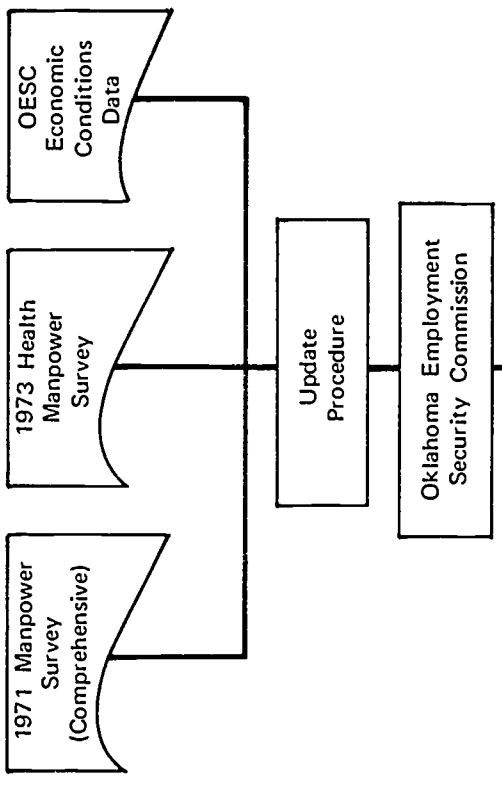
APPENDIX B

OTIS PROCEDURAL FLOW CHART

MANPOWER SUPPLY INPUTS



MANPOWER DEMAND INPUTS



Statewide Totals and a Descending Ordering
of Program Clusters

Accountant	* 5, 53**	Clerk-Typist	* 26, 53**
Accounting Clerk	25, 53	Community Health Worker	21, 79
Admitting Clerk	26, 53	Cook	44, 55
Agricultural Mechanic	9, 89	Copy Reader	39, 79
Air Conditioning and Refrigeration	32, 88	Copywriter	10, 83
Aircraft Accessories Mechanics	34, 79	Coremaker	40, 75
Aircraft & Engine Mechanics	34, 79	Cost Estimator	25, 53
Aircraft-Structure Assembler	41, 69	Credit Clerk	25, 53
Aircraft Sub-Assembly Assembler	41, 69	Cutter (Hand or Machine)	23, 54
Appliance Repairman	32, 72	Cylinder-Press Man	39, 79
Assembler-Metal Products	47, 56	Der. al Hygienist	14, 82
Auto Air Conditioning	33, 88	Dental Lab Technician	22, 75
Auto Body Repairman	33, 88	Dental Office Assistant	14, 75
Auto Mechanics	33, 88	Deputy Sheriff	43, 65
Auto Painter	33, 88	Dietary Technician	21, 82
Auto Parts Clerk	33, 67	Die Designer	40, 68
Auto Parts Manager	33, 67	Diesel Mechanics	38, 70
Baker	44, 72	Digital Computer Operator	31, 59
Bank Cashier	25, 53	Dishwasher	45, 57
Banking Teller	25, 53	Draftsman, Architectural	31, 68
Bench Grinder	40, 56	Draftsman, Civil	31, 68
Biomedical Equipment Technician	22, 85	Draftsman, Electrical	31, 68
Bookkeeper	25, 53	Draftsman, Electronics	31, 68
Bookkeeping Machines Operator	25, 53	Draftsman, Geological	31, 68
Boner or Skinner	45, 61	Draftsman, Map	31, 68
Brake Operator	42, 59	Draftsman, Mechanical	31, 68
Brick Layer	36, 61	Dump Truck Driver	47, 52
Building Inspector	43, 81	E.E.G. Technician	18, 85
Bus Driver	47, 52	E.K.G. Technician	19, 82
Business Programmer	31, 59	Electric Motor Repairman	38, 74
Butcher, All Round	45, 61	Electrical Technician	28, 71
Buyer (Wholesaler/Retail)	8, 73	Electrician	35, 60
Cabinet Maker	46, 65	Electromechanical Technician	29, 84
Cable Splicer	35, 60	Electronics Assembler	38, 66
Carpenter	35, 57	Electronics Mechanic	39, 66
Cashier	25, 53	Electronics Technician	28, 71
Cement Mason	36, 61	Environmental Health Technician	18, 86
Central Supply Worker	20, 78	Farm Hand, General	8, 74
Chef	44, 55	Farm Manager	8, 74
Civil Engineer Technician	28, 69	Feed/Fertilizer Mixer	8, 73
Claim Adjuster	13, 61	Feedlot Worker	8, 74
Claims Clerk (Insurance)	25, 53	Fieldman	8, 74
Claims Examiner	25, 53	Fireman	43, 72
		Flame Cutter, Hand	44, 58
		Flame Cutter Machine Operator	42, 58

*Statewide Totals

**Descending Ordering of Program Clusters

Floral Design	9, 60**	Nuclear Medical Technician	*22, 87**
Food Service Supervisor	12, 55	Nurse Aide	16, 56
Forklift Operator	47, 52	Nursery School Attendant	23, 70
Furniture Finisher	46, 65	Occupational Therapist Aide	17, 85
Furniture Upholsterer	46, 76	Offset-Press Man	39, 79
General Office Clerk	26, 53	Painter or Paper Hanger	35, 56
Greenhouse Man	9, 60	Payroll Clerk	25, 53
Grinder Mill Operator (Mining)	36, 62	Personnel Clerk	27, 76
Groundskeeper	9, 60	Pharmacy Assistant	23, 80
Heat Treater	42, 77	Photographer or Cameraman	34, 82
Heavy Equipment Operator	36, 62	Physical Therapist Aide	20, 78
Hostess	12, 55	Plater (Electro Plating)	42, 80
Hotel Clerk	12, 64	Plumber	36, 67
Housekeeper	24, 58	Policeman	43, 65
Illustrator-Commercial Artist	34, 83	Post Office Clerk	26, 59
Industrial Technician	29, 76	Power Plant Operator	46, 68
Inhalation Therapy Technician	19, 86	Precision Grinder	40, 56
Instrument Man	29, 77	Production Machine Tool Operator	40, 56
Insurance Salesman	13, 61	Program Coder	31, 59
Janitor	37, 58	Pruner-Picker	8, 79
Jet Engine Mechanic	34, 79	Psychiatric Aide	16, 74
Laboratory Tester	28, 72	Public Relations	10, 77
Laundry Personnel	39, 63	Pumpman (Petroleum Refining)	30, 76
Layout Man (Machine Shop)	40, 56	Purchasing Agent	13, 87
Layout Man (Printing & Publications)	34, 83	Quality Control Technician	30, 67
Layout Man (Structural)	37, 64	Radio & TV Repairman	39, 81
Licensed Practical Nursing (L.P.N.)	16, 63	Radio Mechanic	39, 81
Lineman	35, 60	Radiologic Technician	18, 84
Livestock Caretaker	9, 66	Real Estate Appraiser	13, 80
Loan Closer	26, 53	Recreation Leader	44, 73
Machinist, All-Round	40, 56	Registered Nurse (Bacc., Dipl., Assoc.)	15, 64
Mail Carrier	36, 59	Sales Clerk	11, 51
Maintenance Man, Building	35, 57	Sales Occupations (Goods)	11, 51
Maintenance Man, Equipment	47, 60	Salesman-Driver (Routeman)	11, 51
Maintenance Mechanics Millwright	37, 71	Seamstress or Tailor	23, 54
Management Trainee	14, 65	Secretary	27, 54
Material Handler	47, 59	Service Salesman	10, 62
Meat Cutter	45, 61	Service Station Attendant	11, 51
Medical Emergency Technician	20, 86	Sewing Machine Operator	23, 54
Medical Lab Assistant	15, 77	Shear Press Operator	40, 56
Medical Office Assistant	79, 80	Sheet Metal Worker	41, 59
Medical Records Clerk	21, 75	Small Engine Repair	45, 71
Medical Records Librarian	15, 84	Social Worker	44, 70
Metal Fabricator	41, 59	Special Agent	13, 61
Mill Man	46, 65	Spray Painter	35, 57
Mill Operator	9, 89	Statement Clerk	25, 53
New Accounts Clerk	25, 53	Stationary Engineer	46, 68
		Stenographer	27, 54

*Statewide Totals

**Descending Ordering or Program Clusters

Stillman (Petroleum Refining)	*30, 76**
Structural Steel Worker	37, 64
Surgical Technician	17, 73
Surveyor	28, 69
Teacher Aide	24, 65
Technical Publications Writer	32, 81
Telephone Installer	35, 60
Telephone Operator	26, 62
Title Clerk	27, 87
Tool & Die Maker	40, 56
Tool Machine Set-up Operator	40, 56
Tractor Trailer Truck Driver	47, 52
Traffic Manager	47, 52
Transit Clerk	25, 53
Truck Driver (Heavy)	47, 52
Truck Driver (Light)	47, 52
Underwriter	13, 61
Waitress or Waiter	12, 55
Ward Clerk	21, 67
Welder, Arc	42, 58
Welder, Combination	42, 58
Welding Machine Operator	42, 58
Yardman	9, 66

*Statewide Totals

**Descending Ordering or Program Clusters