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## ABSTRACT

The seventh annual study of occupational opportunities in Nebraska reflects State manpower needs and trends as revealed by employer listings (number of persons employed, job duties of persons employed, and a projection of future needs). A 5 percent random sample was generated from the revised master list of employers for each of the six State technical community college areas. Job descriptions were coded by job title and number using the "Dictionary of Occupational Titles" (D.O.T.) and related to a corresponding instructional training program and number according to "Vocational Education and Occupations." Part 1 consists of tabular projections by occupational titles while part 2 includes tabular projections of need by occupational divisions according to areas of: professional, technical, and managerial occupations; clerical and sales; service; farming, fishery, forestry, and related occupations; processing; machine trades; bench work; structural work; miscellaneous; and occupations with no D.O.T. number. Part 3 tabulates needs by the seven major areas of vocational education (agricultural, distributive, health, home economics, office, technology, and trade/industrial occupations) and lists only those job titles with a corresponding vocational instructional training program. Except for brief summarization, the document contents consist of tabulated data. (EA)

ED 099 228

# OCCUPATIONAL OPPORTUNITIES IN NEBRASKA

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1974 REPORT

U.S. DEPARTMENT OF HEALTH  
EDUCATION & WELFARE  
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NEBRASKA RESEARCH COORDINATING UNIT  
FOR VOCATIONAL EDUCATION

BOX 33, HENZLIK HALL, CITY CAMPUS  
UNIVERSITY OF NEBRASKA  
LINCOLN, NEBRASKA 68508



LD 073060

From  
**STATE-WIDE COMPUTERIZED MODEL FOR DETERMINING  
OCCUPATIONAL OPPORTUNITIES IN NEBRASKA**

**June, 1974**

By  
**NEBRASKA RESEARCH COORDINATING UNIT  
FOR VOCATIONAL EDUCATION  
University of Nebraska  
In Cooperation With  
State Department of Education  
Division of Vocation Education  
and  
The Nebraska State Board  
for Technical Community Colleges**

**Research Staff**

Elton B. Mendenhall, Director  
Fay G. Larson, Assistant Director  
Terri Hoene man, Secretary

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The Nebraska State Department of Education, Division of Vocational Education  
The Department of Labor, Division of Employment  
The Nebraska State Advisory Council for Vocational Education  
The University of Nebraska Staff and Review Committee  
The Nebraska State Board for Technical Community Colleges

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# REPORT OF STATE-WIDE MODEL FOR DETERMINING OCCUPATIONAL OPPORTUNITIES IN NEBRASKA

## SUMMARY

### INTRODUCTION

This is the seventh annual study to identify occupational opportunities in the state of Nebraska. This study reflects changes intended to make the study useable by a larger segment of educational planners throughout the state. The method of gathering data remained the same as previous years, however, the five percent sample was generated once for each of the Technical Community College Areas to insure a more representative sample by area.

The emphasis of this study is to determine manpower needs and trends through asking employers to list the number of persons employed, job duties of persons employed (job description), and to project future needs according to these job descriptions.

The data supplied by employers as job descriptions were coded by job title and number using the *Dictionary of Occupational Titles*<sup>1</sup> and related to a corresponding instructional training program and number according to *Vocational Education and Occupations*.<sup>2</sup> Both documents are necessary references when using the 1974 *Occupational Opportunities Report* as a program planning base. Use of the *Dictionary of Occupational Titles* as the primary coding system allows the identification of many professional level occupations that do not have training programs listed under vocational education. This facet of the study should promote an overall perspective of occupations in Nebraska.

### DELIMITATIONS

Fluctuations of employer listings within the master file were a delimiting factor to the study. Since employers move in and out of business throughout the state there is continuous change in the total numbers within the employer master file. Partial up-dating was possible through the Department of Labor, Division of Employment.

No allowance was made for the seasonal labor "peaks" and "lows" common in work areas. All part-time and seasonal employees were equated in terms of full-time equivalents.

The fluctuations caused by small sampling accounts for variations in certain instructional training areas from one year to another. This variation was evident when comparing all previous yearly studies.

Another delimitation common to all the studies was that the data has been obtained exclusively from employers.

Employers tend to over- or under-estimate, depending on labor and economic trends.

Self-employed persons are not accounted for within this study with the exception of self-employed farmers.<sup>3</sup>

No attempt has been made within the study to align Instructional Training Programs with actual training programs offered within the state. The training programs listed were the programs designated for identified job titles by the U.S. Office of Education Classification System identified in *Vocational Education and Occupations*.

### PROCEDURE

The updating of the master list of employers in the state was accomplished through the removal of firms no longer in existence and the addition of new firms. The original master list was compiled from the following sources: (1) IRS 941 (firms employing one or more persons); (2) IRS 942 (domestic help); (3) IRS 943 (farmers and ranchers employing hired labor); (4) the Division of Employment of the State Department of Labor (out-of-state firms with in-state locations, and federal, state, local tax exempt agencies); and (5) the State Tax Commissioner (the State Business Master File).

Updating of the master list for this study was done by deleting firms no longer in existence using a compiled list from the Division of Employment of the Nebraska Department of Labor, and adding new firms from the ES 202 listing. Additional firms were dropped from the master list as "dead" firms where identified by interviews in 1973.

The master list of employers was sorted by postal zip codes into the six Technical Community College areas and a five percent random sample was generated for each of the six areas (Appendix A). Each employer was interviewed to determine the number of persons employed, job duties of each employee (job description), numbers of persons needed for the next twelve months and the following two years. Data supplied by employers as job descriptions were coded by job title and number using the *Dictionary of Occupational Titles*. Instructional training programs for D.O.T. titles were identified through Part II of the U.S. Office of Education publication, *Vocational Education and Occupations*.

A computerized straight line projection technique was used to project: total employed, need next twelve months reason for need, and need for the following two years.

<sup>1</sup>U. S. Department of Labor, *Dictionary of Occupational Titles* (Vol. 1, Third Edition), U. S. Government Printing Office, Washington, 1965.

<sup>2</sup>U. S. Office of Education, *Vocational Education and Occupations* OF-80061, U. S. Government Printing Office, Washington, 1969.

<sup>3</sup>Nebraska Department of Agriculture, *Nebraska Agricultural Statistics*, Annual Report 1972, Preliminary 1973 (Lincoln: State-Federal Division of Agricultural Statistics, June 1974)

## EXPLANATION OF TABLES

Table 1, Summary by Occupational Category, lists the total projected employment and need as classified by the *Dictionary of Occupational Titles*. Also, included in Table 1 is a breakdown of Occupational Categories by percent of total employment and future need. Tables 2 through 11, Occupational Group Arrangement of Titles and Codes, show projected employment and future need for the state and by Technical Community College Area. These tables include the corresponding Instructional Training Program as listed in *Vocational Education and Occupations*. An asterisk appearing in the Instructional Training Program column indicates job titles which do not have corresponding Instructional Training Program listed in the *Vocational Education and Occupations* document.

Tables 12 through 21 reflect employment opportunities, determined from employer interview, by need related to *expansion, retirement, promotion and turnover*. These tables are grouped by major two digit Occupational Divisions showing need for the state and by Technical Community College Areas. Need for the following two years, beyond the twelve month projection, was based upon employer estimates.

All data, Tables 1 through 30, are composite (average) figures from the 1973 and 1974 employer interviews. Combining the yearly figures minimizes fluctuations found in single year sample data. This procedure also allows data application to a larger group of job titles and program classifications.

Subtotals are listed following each Occupational Group (three-digit) or Occupational Division (two-digit) and totals are listed at the end of each Occupational Category (one-digit).

## SUMMARY OF OCCUPATIONAL CATEGORIES

Data presented in Table 1 indicates projected employment of Occupational Categories as compiled from the Occupational Groups (Tables 2 through 11). The following breakdown lists totals by group in order of size for the 1974 Report.

*Clerical and Sales Occupations* represented the *largest* Occupational Category with 189,680 persons now employed or 28.9 percent of the total projected present employment. The Clerical and Sales Occupations encompassed 266 Job Titles (picked up on the 1974 Survey), 7 different Vocational Technical Areas, 249 Job Titles with Instructional Training Programs and 17 Job Titles with no identified Instructional Training Program in the *Vocational Education and Occupations* document.

*Professional, Technical, and Managerial Occupations*, the *second* largest Occupational Category with 119,191 persons now employed, represented 18.2 percent of the total projected employment. This area of 333 Job Titles involved

7 different Vocational Technical Areas, 172 Job Titles with Instructional Training Programs and 161 Job Titles with no identified Instructional Training Program.

*Farming, Fishery, Forestry and Related Occupations*, the *third* largest Occupational Category with 85,830 persons now employed, represented 13.1 percent of the total projected employment. This area of 59 Job Titles involved 1 Vocational Area, 51 Job Titles with Instructional Training Programs and 8 Job Titles with no identified Instructional Training Program.

*Service Occupations*, the *fourth* largest Occupational Category with 83,320 persons now employed, represented 12.5 percent of the total projected employment. This area of 120 Job Titles involved 5 different Vocational Areas, 95 Job Titles with Instructional Training Programs and 25 Job Titles with no identified Instructional Training Program.

*Structural Work Occupations*, the *fifth* largest Occupational Category with 64,720 persons now employed, represented 9.8 percent of the total projected employment. This area of 148 Job Titles involved 1 Vocational Area, 112 Job Titles with Instructional Training Programs and 36 Job Titles with no identified Instructional Training Program.

*Miscellaneous Occupations*, the *sixth* largest Occupational Category with 44,770 persons now employed, represented 6.8 percent of the total projected employment. This area of 102 Job Titles involved 4 different Vocational Areas, 53 Job Titles with Instructional Training Programs and 49 Job Titles with no identified Instructional Training Program.

*Machine Trades Occupations*, the *seventh* largest Occupational Category with 37,340 persons now employed, represented 5.7 percent of the total projected employment. This area of 135 Job Titles involved 3 different Vocational Areas, 100 Job Titles with Instructional Training Programs and 35 Job Titles with no identified Instructional Training Program.

*Processing Occupations*, the *eighth* largest Occupational Category with 16,770 persons now employed, represented 2.5 percent of the total projected employment. This area of 77 Job Titles involved 2 different Vocational Areas, 33 Job Titles with Instructional Training Programs and 44 Job Titles with no identified Instructional Training Program.

*Bench Work Occupations*, the *ninth* largest Occupational Category with 13,510 persons now employed, represented 2.1 percent of the total projected employment. This area of 78 Job Titles involved 3 different Vocational Areas, 51 Job Titles with Instructional Training Programs and 27 Job Titles with no identified Instructional Training Program.

*Occupations with no DOT Numbers*, the *tenth* largest Occupational Category with 2,380 persons now employed, makes up 0.4 percent of the total projected employment. This area is made up of 8 Job Titles with no Vocational Areas nor Instructional Training Programs.



**TABLE 1**  
**SUMMARY BY OCCUPATIONAL CATEGORIES**

OCCUPATIONAL CATEGORIES	Projected Employment		Projected Future Needs			
			Next 12 Months		Following 2 Years	
	Number	Percentage of Total	Number	Percentage of Total	Number	Percentage of Total
Professional, Technical and Managerial Occupations	119,191	18.2	11,200	9.0	12,110	8.6
Clerical and Sales Occupations	189,680	28.9	34,720	28.0	33,320	23.7
Service Occupations	82,320	12.5	19,360	15.6	26,470	18.8
Farming, Fishing, Forestry, and Related Occupations	85,830	13.1	9,591	7.7	8,322	5.9
Processing Occupations	16,770	2.5	5,100	4.1	6,740	4.8
Machine Trades Occupations	37,340	5.7	7,630	6.2	9,640	6.3
Benck Work Occupations	13,510	2.1	3,190	2.6	4,780	3.4
Structural Work Occupations	64,720	9.8	16,060	12.9	16,950	12.1
Miscellaneous Occupations	44,770	6.8	16,340	13.1	21,750	15.5
Occupations with no DOT Number	2,380	.4	960	.8	620	.4
Total	656,511		124,151		140,702	

<sup>a</sup>Includes self-employed farmers, Nebraska Department of Agriculture, *Nebraska Agricultural Statistics Annual Report 1972, Preliminary 1973* (Lincoln: State-Federal Division of Agricultural Statistics, June, 1974).

<sup>b</sup>Genevieux, Douglas, Annual Estimated Replacement Farmer Opportunities in Nebraska, Agricultural Education Department Report No. 3, (Lincoln: University of Nebraska, March, 1967), p. 6 (Mimeographed).



**TABLE 2  
PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS**

OCCUPATIONAL GROUP D.O.I. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM H.I.W. Number Program	
		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need				
		Now	12	Now	12	Now	12	Now	12	Now	12	Now	12			
001.081	Architect	10	0	-	-	50	10	30	0	110	10	350	20	10	*	
001.281-010	Draftsman, Architectural	20	10	10	0	40	0	60	10	90	0	340	60	30	17.13	Drafting
003.081	Electrical Engineer	210	-	-	-	-	-	-	-	150	20	60	0	50	*	
003.081	Electronic Engineer	30	10	0	0	-	-	-	-	-	-	-	-	0	*	
003.181-010	Electrical Technician	20	-	-	-	20	0	-	-	-	-	-	-	0	16.0107	Electrical Technology
003.181-014	Electronic Technician	80	10	10	10	-	-	-	-	60	10	-	-	20	16.0108	Electronic Technology
003.187	Radio Engineer	20	-	-	-	-	-	-	-	-	-	-	-	0	*	
003.281-010	Draftsman, Electrical	90	-	-	-	-	-	-	-	10	0	80	0	0	17.13	Drafting
003.281-014	Draftsman, Electronic	10	-	-	-	-	-	-	-	-	-	-	-	0	17.13	Drafting
003.281-026	Instrumentation Technician	80	-	-	-	-	-	-	-	70	30	10	0	30	16.0112	Instrumentation Technology
005.081	Civil Engineer	1,020	40	0	30	0	-	50	0	250	0	1,020	30	80	*	
005.081	Structural Engineer	60	-	-	-	-	-	-	-	-	-	-	-	0	*	
005.281-014	Draftsman, Civil	610	70	40	40	10	-	-	-	250	30	250	150	270	17.13	Drafting
005.281-018	Draftsman, Structural	120	10	0	-	-	-	-	-	30	0	80	0	0	17.13	Drafting
007.081	Mechanical Engineer	1,320	-	-	-	-	-	50	0	250	0	1,020	30	80	*	
007.081	Refrigeration Engineer	40	-	-	-	-	-	-	-	-	-	40	0	0	*	
007.081-066	Tool Designer	120	-	-	-	-	-	-	-	20	10	160	150	180	16.0113	Mechanical Technology
007.151	Heating Engineer	60	-	-	-	-	-	-	-	-	-	60	0	0	*	
007.181-022	Engineering Assistant, Mechanical Equipment	10	-	-	-	-	-	-	-	-	-	10	10	0	16.0113	Mechanical Technology
007.181-026	Mechanical-Engineering Technician	380	-	-	-	-	-	-	-	280	0	100	0	0	16.0113	Mechanical Technology
007.281-014	Draftsman, Mechanical	840	-	-	-	-	-	10	10	160	10	660	30	100	17.13	Drafting
008.081	Chemical Engineer	90	-	-	-	-	-	-	-	-	-	90	0	0	*	
010.081	Petroleum Engineer	310	10	0	-	-	-	-	-	-	-	300	0	0	*	
010.281-030	Field Engineer, Specialist	900	-	-	-	-	-	-	-	-	-	900	150	200	16.0116	Petroleum Technology
010.288-030	Surveyor, Oil-Well Directional	10	10	0	-	-	-	-	-	-	-	-	-	0	16.0116	Petroleum Technology
012.168-022	Systems Analyst, Business-Electronic-Data Processing	170	-	-	10	0	-	-	-	110	20	50	10	10	14.0204	Systems Analysts
012.188	Time-Study Engineer	90	-	-	-	-	-	-	-	90	0	-	-	0	*	
012.288-010	Industrial Engineering Technician	80	-	-	-	-	-	-	-	80	20	-	-	20	16.0111	Industrial Technology
017.281-038	Draftsman, Apprentice	90	-	-	20	0	-	10	100	50	0	10	0	0	17.13	Drafting
018.188	Surveyor	310	50	40	20	0	-	30	0	210	60	-	-	130	*	
018.587	Surveyor, Helper	10	-	-	10	20	-	-	-	-	-	-	-	0	*	
019.281-014	Office-Lay-Out-Service Man	20	-	-	-	-	-	-	-	20	0	-	-	0	16.0499	Office Related Technology
019.281-018	Quality-Control Technician	160	-	-	-	-	-	20	10	10	0	130	80	40	16.0113	Mechanical Technology

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need		INSTRUCTIONAL TRAINING PROGRAM	
OOI Number	Job Title	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	HI-W Number	Program
019.288 018	Specification Writer, Engineering	-	-	-	-	-	-	-	-	-	-	-	-	-	0	16.0106	Structural Technology
8.540	Subtotal	240	100	180	40	120	20	220	120	2,620	300	5,160	790	1,350			
<b>Mathematics and Physical Sciences</b>																	
020.088	Operations-Research Analyst	-	-	-	-	-	-	-	-	40	0	50	0	0	0	*	
020.168-005	Programmer Chief, Business	-	-	-	-	10	10	-	-	50	10	-	-	-	0	14.0203	Programming
020.188	Actuary	-	-	-	-	-	-	-	-	-	-	120	0	0	0	*	
020.188	Financial Analyst	-	-	-	-	-	-	-	-	120	30	-	-	30	0	*	
020.188-026	Programmer, Business	-	-	-	-	-	-	40	10	180	20	130	0	30	0	14.0203	Programming
020.188	Statistician	-	-	-	-	-	-	-	-	50	10	-	-	10	0	*	
022.081	Chemist	-	-	10	0	-	-	-	-	-	-	110	0	10	0	*	
022.281-014	Chemical-Laboratory Technician	-	-	-	-	-	-	-	-	-	-	310	0	0	0	16.0105	Chemical Technology
023.081	Physicist	-	-	-	-	-	-	-	-	-	-	10	0	0	0	*	
029.281-018	Laboratory Tester I	-	-	-	-	90	90	-	-	-	-	50	0	0	0	15.0105	Chemical Technology
029.381-034	Laboratory Tester II	-	-	-	-	-	-	10	0	50	0	20	0	10	0	16.0203	Food Processing Technology
1.450	Subtotal	-	10	0	0	100	100	50	10	490	70	800	0	180			
<b>Life Sciences</b>																	
040.081	Agonomist	-	-	-	-	10	0	-	-	-	-	-	-	0	0	*	
040.081	Dairy Technologist	-	-	-	-	-	-	-	-	-	-	10	0	0	0	*	
040.081-074	Soil Conservationist	50	0	-	-	70	20	70	0	110	0	40	0	40	0	01.0603	Soil
040.081	Soil Scientist	-	-	-	-	-	-	20	0	150	0	-	-	0	0	*	
041.081	Biochemist	-	-	-	-	-	-	-	-	-	-	-	-	0	0	*	
041.081	Biologist	-	-	-	-	-	-	-	-	-	-	130	0	0	0	*	
041.081	Microbiologist	-	-	-	10	-	-	-	-	-	-	10	0	0	0	*	
041.181	Histopathologist	-	-	-	-	-	-	-	-	-	-	50	0	0	0	*	
045.108	Counselor II	50	0	10	0	0	10	50	0	100	0	50	0	0	0	*	
045.108	Psychologist	10	0	10	0	-	-	10	0	270	30	40	20	0	0	*	
1.330	Subtotal	110	0	30	0	80	30	150	0	630	30	330	20	40			
<b>Social Sciences</b>																	
050.088	Economist	-	-	10	0	10	0	-	-	280	70	-	-	20	0	*	
050.088-034	Market-Research Analyst	-	-	-	-	-	-	-	-	-	-	30	10	20	0	04.01	Advertising Services
050.118	Manpower, Research, and Planning Director	-	-	-	-	-	-	-	-	200	0	-	-	0	0	*	
530	Subtotal	-	10	0	0	10	0	-	-	480	70	30	10	40			

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM		
D.O.T. Number	Job Title	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Total State Projected 2 Year Need	H.E.W. Number	Program
	<b>Medicine and Health</b>															
070.081	Radiologist	60	-	-	-	-	-	-	-	-	-	-	-	0	•	
070.101	Surgeon I	110	10	30	0	-	-	40	0	-	-	-	0	10	•	
070.103	Anesthesiologist	20	-	20	0	-	-	-	-	-	-	-	0	0	•	
070.108	Cardiologist	20	-	-	-	-	-	-	-	-	-	-	0	0	•	
070.108	Dermatologist	10	-	-	-	-	-	-	-	-	-	-	0	0	•	
070.108	General Practitioner	2,720	100	320	30	240	20	250	30	410	40	1,400	10	50	•	
070.108	Neurologist	40	-	-	-	-	-	-	-	-	-	40	0	10	•	
070.108	Obstetrician	10	-	-	-	-	-	-	-	-	-	10	0	0	•	
070.108	Ophthalmologist	50	-	-	-	-	-	20	0	20	0	30	0	0	•	
070.108	Radiologist	120	-	-	-	-	-	60	0	60	0	60	0	10	•	
071.108	Osteopathic Physician	10	-	10	0	-	-	-	-	-	-	-	-	0	•	
072.108	Dentist	1,090	30	180	0	60	0	150	0	300	0	370	20	30	•	
073.108	Veterinarian	490	80	20	0	60	0	200	0	80	0	50	0	20	•	
073.381-010	Laboratory Technician, Veterinary	110	20	-	-	50	0	30	0	-	-	10	0	20	01.0299	Ag. Supplies & Services Other
074.181	Pharmacist	1,260	80	10	210	0	10	150	20	340	10	420	80	100	•	
074.387	Pharmacy Helper	150	-	10	0	10	0	-	-	110	0	20	0	0	•	
075.128	Nurse, Head	250	20	70	0	10	0	10	0	60	0	80	10	10	•	
075.378-010	Nurse, Anesthetist	50	10	-	-	-	-	-	-	-	-	40	0	0	07.0301	Nursing
075.378-014	Nurse, General Duty	9,010	830	30	1,430	60	50	660	90	960	10	4,370	950	1,240	07.0301	Nursing
075.378-022	Nurse, Private Duty	30	-	-	-	-	-	10	0	-	-	20	0	0	07.0301	Nursing
077.128	Nutritionist	50	-	-	-	-	-	30	0	20	0	-	-	10	•	
077.168	Dietician	190	40	30	0	10	0	10	0	10	0	90	10	10	•	
078.281-010	Biochemistry Technologist	220	-	-	-	-	-	-	-	30	0	190	0	0	07.0203	Medical Lab. Assisting
078.281-018	Medical Technologist	1,220	10	10	0	60	10	10	0	20	0	1,110	210	210	07.0203	Medical Lab. Assisting
078.368-014	Dental Hygienist	100	-	10	10	-	-	-	-	40	0	50	0	0	07.0102	Dental Hygiene
078.368-018	Electrocardiograph Technician	140	-	10	10	-	-	20	0	20	0	90	20	20	07.0902	Electrocardiograph Technology
078.368-022	Electroencephalograph Technician	80	-	-	-	-	-	10	0	-	-	70	10	10	07.0901	Electroencephalograph Technology
078.368-026	Orthotist	20	-	-	-	-	-	-	-	-	-	20	0	0	07.0404	Orthotics
078.368-026	Prosthetist	30	-	-	-	-	-	-	-	-	-	30	0	0	07.0403	Prosthetics
078.368-030	Radiologic Technologist	820	40	140	10	40	0	50	0	60	0	490	80	90	07.0501	Radiologic Tech. (X-Ray)
078.381-010	Medical-Laboratory Assistant	490	20	70	0	50	0	50	0	220	0	80	0	40	07.0203	Medical Lab. Assisting
078.381-014	Nuclear-Medical Technologist	60	-	10	0	-	-	-	-	-	-	50	0	0	07.0503	Nuclear Medical Tech.
078.381-018	Tissue Technologist	30	-	-	-	-	-	-	-	-	-	30	0	0	07.0202	Histology
079.108	Audiologist	90	60	10	0	-	-	10	0	-	-	10	0	10	•	
079.108	Chiropractor	40	-	10	0	-	-	10	0	-	-	-	-	0	•	
079.108	Optometrist	210	40	10	60	-	-	90	10	20	10	20	0	10	•	
079.108	Podiatrist	80	-	-	-	-	-	20	0	-	-	50	0	10	•	
079.108	Speech Clinician	30	-	-	-	-	-	30	-	-	-	-	-	0	•	

OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM														
D.O.I. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H.I.W. Number	Program
		12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now			
079.108	Speech Pathologist	10	-	-	-	-	-	-	-	-	-	10	10	0	*	
079.128	Occupational Therapist	40	10	-	-	-	-	-	-	-	-	30	30	0	*	
079.128	Recreational Therapist	80	-	30	0	0	10	10	10	0	0	30	30	0	*	
079.128	Supervisor, Auxiliary Personnel	40	-	10	10	-	-	-	-	0	10	20	20	10	*	
079.368-018	Inhalation Therapist	300	60	10	0	-	10	-	-	-	-	220	220	10	07.0903	Inhalation Therapy
079.368-022	Medical Assistant	540	40	50	10	30	20	130	130	30	30	270	270	50	07.0904	Medical Assist. Physician's Office
079.368-026	Occupational Therapy Aid	20	10	0	0	-	-	-	-	-	-	-	-	50	07.0401	Occupational Therapy
079.378-010	Dental Assistant	1,090	30	170	10	80	170	10	330	20	20	310	310	90	07.0101	Dental Assisting
079.378-026	Nurse, Licensed Practical	3,840	1,150	750	110	270	150	20	220	0	0	1,300	280	490	07.0302	Practical (Vocational) Nursing
079.378-030	Orthoptist	50	-	-	-	-	50	0	-	-	-	-	-	0	07.0602	Orthoptics
079.378	Physical Therapist	240	30	30	0	20	-	-	20	0	0	140	10	10	*	
079.378-112	Surgical Technician	140	140	0	-	-	-	-	-	-	-	-	-	0	07.0305	Surgical Technician
	Subtotal	25,900	2,860	120	3,720	260	1,820	150	2,090	180	3,560	130	11,750	2,630		
Education		190	-	20	0	-	-	-	80	0	-	-	-	0	*	
090.118	President, Educational Institution	820	-	100	0	-	-	-	720	0	-	-	-	0	*	
090.228	Faculty Member, College or University	1,440	180	290	10	120	340	30	290	20	20	20	20	50	*	
091.118	Superintendent, Schools	9,810	1,040	20	1,970	230	940	180	2,030	220	1,840	290	290	720	*	
091.228	Teacher, Secondary Schools	9,560	1,100	140	1,650	140	840	100	2,290	160	1,830	170	170	680	*	
094.228	Teacher, Blind	90	-	-	-	-	-	-	90	0	0	-	-	0	*	
094.228	Teacher, Mentally Retarded	520	90	10	10	110	140	0	150	60	10	0	0	0	*	
096.128-014	County-Agricultural Agent	300	-	50	10	30	0	200	20	0	-	-	-	10	01.02	Ag. Supplies and Services
096.128	County-Home-Demonstration Agent	30	-	10	0	-	-	20	0	-	-	-	-	0	*	
096.162	Weed-Control Supervisor	20	-	-	-	-	20	0	-	-	-	-	-	0	*	
097.228	Instructor, Vocational Training	90	70	-	-	-	-	20	0	-	-	-	-	0	*	
099.118	Director, Educational Program	30	10	-	-	10	0	-	-	-	-	10	0	0	*	
099.168	Audiovisual Specialist	20	-	-	-	20	10	-	-	-	-	-	-	0	*	
099.168	Educational Specialist	60	30	-	-	10	0	-	-	-	-	-	-	0	*	
099.228	Athletic Coach	10	-	-	-	-	-	-	-	-	-	10	0	0	*	
	Subtotal	22,900	2,520	40	4,340	400	2,080	170	5,020	340	5,020	460	3,920	1,460		
Museum, Library & Archival Sciences		240	50	0	20	0	10	0	20	0	0	10	60	20	*	
100.166	Librarian															

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number	Job Title	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	Total State Projected 2 Year Need	H.E.W. Number Program
120.388	Medical-Records Librarian	10	60	0	20	0	10	0	20	0	80	0	20	0	•
	Subtotal	10	60	0	20	0	10	0	20	0	80	0	20	0	•
	Law and Jurisprudence	150	200	20	150	10	310	20	910	70	1,990	100	270	270	•
110.108	Lawyer	10	200	20	150	10	310	20	910	70	1,990	100	270	270	•
110.118	Insurance Attorney	-	-	-	-	-	-	-	-	-	-	-	-	0	•
110.118	Tax Attorney	-	-	-	-	-	10	0	10	0	10	-	0	0	•
110.118	Title Attorney	-	-	-	-	-	-	-	-	-	30	0	0	0	•
111.108	Judge	-	-	10	40	-	20	0	70	-	200	80	180	180	•
119.288	Abstractor	40	20	0	10	0	20	0	70	0	200	80	180	180	•
119.288	Law Clerk	10	10	0	10	0	10	0	110	30	150	20	50	50	•
	Subtotal	200	270	30	160	0	370	20	1,110	100	2,370	200	500	500	•
	Religion and Theology	70	130	0	100	10	130	30	160	20	290	20	40	40	•
120.108	Clergy	70	130	0	100	10	130	30	160	20	290	20	40	40	•
	Subtotal	70	130	0	100	10	130	30	160	20	290	20	40	40	•
	Writing	10	-	-	-	-	-	-	-	-	10	0	20	20	•
130.088	Literary Writer	-	-	-	-	-	-	-	-	-	10	0	20	20	•
131.068	News Analyst, Broadcast	-	-	-	-	-	20	0	-	-	20	0	0	0	•
131.088	Continuity Writer	-	-	-	-	-	-	-	-	-	10	0	0	0	•
132.018	Editor, Newspaper	70	0	0	60	0	30	0	50	0	10	0	10	10	•
132.038	Editor, Department	-	-	-	20	0	-	-	30	0	10	0	0	0	•
132.068	Columnist	90	0	-	-	-	90	0	10	0	-	-	10	10	•
132.068	Editor, Magazine	50	-	-	-	-	-	-	50	0	-	-	0	0	•
132.088-010	Copywriter	140	0	-	-	-	-	-	40	0	30	0	20	20	•
132.268	Reporter	660	-	0	30	0	10	0	480	80	70	0	30	30	04.01
139.288	Writer, Technical Publications	20	-	-	-	-	-	-	20	0	-	-	0	0	•
	Subtotal	230	140	0	150	0	150	0	680	80	160	0	140	140	•
	Art	200	40	-	-	-	-	-	110	0	50	0	10	10	04.01
141.081-010	Advertising Lay-Out Man	40	-	-	-	-	-	-	40	0	40	0	0	0	17.07
141.081-014	Art Lay-Out Man	-	-	-	-	-	-	-	-	-	-	-	-	-	•
141.168-010	Production Manager, Advertising	30	-	-	-	-	-	-	10	0	20	0	0	0	04.01
142.031-010	Manager, Display	60	-	-	-	-	-	-	30	0	30	0	0	0	04.01
142.051-014	Interior Designer & Decorator	220	-	-	-	-	10	0	100	10	110	0	20	20	17.0701
142.081-022	Commercial Designer	10	-	-	-	-	-	-	10	0	-	-	0	0	17.07
142.081-050	Floral Designer	610	-	-	80	0	70	0	170	20	290	10	100	100	04.05

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number	Job Title	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Total State Projected 2 Year Need	H.F.W. Number	Program
142.081-054	Furniture Designer	-	-	-	-	-	-	-	-	-	-	10	0	0	17.0703	Product Design
142.081-078	Industrial Designer	90	60	-	-	-	-	-	-	-	-	20	10	310	17.0703	Product Design
142.081-118	Sign Designer	-	-	-	-	-	-	-	-	-	-	-	0	10	17.07	Commercial Art Occupations
143.062-022	Manager, Photograph Gallery or Studio	-	-	-	-	70	0	60	0	100	20	60	0	30	04.15	Personal Services
143.062	Photographer	10	20	10	0	-	-	-	-	-	-	60	20	0	*	*
143.382	Photographer, Aerial	-	-	-	-	-	-	-	-	20	0	-	-	0	*	*
144.081	Painter, Portraits	-	-	-	-	-	-	-	-	10	0	-	-	0	*	*
148.081	Memorial Designer	-	-	-	-	-	-	-	-	-	-	70	0	0	*	*
	Subtotal	140	80	10	0	150	0	140	0	560	50	780	40	480		
<b>Entertainment and Recreation</b>																
151.028	Instructor, Dancing	-	-	-	-	-	-	-	-	-	-	20	10	10	*	*
152.028	Teacher, Music	30	10	10	0	-	-	-	-	-	-	10	0	0	*	*
152.048	Choirmaster	-	-	-	-	-	-	20	0	-	-	20	0	0	*	*
152.048	Musical Entertainer	10	0	-	-	-	-	-	-	-	-	-	-	0	*	*
152.048	Musician	310	-	50	0	-	10	90	10	110	10	60	10	0	*	*
152.048	Orchestra Leader	10	-	-	-	-	-	10	0	-	-	-	-	0	*	*
153.118	Director, Athletic	10	0	-	-	-	-	-	-	-	-	-	-	0	*	*
153.118	Manager, Athletic Team	30	-	-	-	0	20	-	-	-	-	30	0	20	*	*
153.228	Golf Pro	60	0	-	-	10	0	-	-	10	0	-	-	0	*	*
153.228	Instructor, Swimming	10	-	10	0	-	-	-	-	-	-	-	-	0	*	*
153.348	Athlete	200	-	-	-	-	-	-	-	-	-	200	0	0	*	*
159.148	Announcer	170	-	-	-	-	-	100	30	70	0	-	-	0	*	*
159.168	Director, Program	10	-	-	-	-	-	10	0	-	-	-	-	0	*	*
159.848	Exotic Dancer	50	-	-	-	-	-	-	-	-	-	-	-	0	*	*
	Subtotal	90	10	70	0	10	20	230	40	190	10	390	50	1,060		
<b>Administrative Specializations</b>																
160.168	Auditor, City or County	-	-	20	0	20	0	200	0	10	0	-	-	20	*	*
160.188	Accountant	190	0	110	0	30	0	90	0	1,710	260	950	70	420	*	*
160.288-010	Credit Analyst, Chief	-	-	-	-	-	-	-	-	-	-	10	0	0	14.0101	Accountants
160.288-018	Estimator	-	-	20	0	-	-	-	-	100	10	90	0	10	14.0101	Accountants
161.118-010	Budget Officer	-	-	-	-	-	-	-	-	10	0	40	20	0	14.0802	Budget Management Analysts
161.118-018	Treasurer	30	0	60	20	50	0	30	0	50	10	50	0	0	14.0802	Budget Management Analysts
162.118-010	Administrator, Contract and Order	-	-	-	-	-	-	-	-	-	-	20	0	0	14.0899	Supv. & Adm. Management Occup. Other
162.158-014	Broker	-	-	-	-	-	-	-	-	-	-	-	-	0	04.06	Food Distributions
162.158-022	Broker's Floor Representative	-	-	-	-	-	-	10	0	70	0	-	-	0	04.04	Finance and Credit
162.158-026	Buyer, Agricultural Products	140	0	-	-	-	-	-	-	100	0	30	0	0	01.0401	Food Products
	Subtotal	250	3,080	190	10	70	0	20	40	190	10	390	50	1,090		



**OCCUPATIONAL GROUP**

**INSTRUCTIONAL TRAINING PROGRAM**

OCCUPATIONAL GROUP	DO I Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H1 W Number	Program
			Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need			
			Projected Employment	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need			
	162.158-030	Buyer	10	-	-	-	-	-	-	-	-	-	0	0	04.08	General Merchandise	
	162.158-050	Buyer II	570	20	40	0	10	0	30	0	10	0	0	0	04.08	General Merchandise	
	162.158-054	Buyer, Livestock	100	30	0	-	10	0	50	0	-	0	0	100	01.0401	Food Products	
	162.158-060	Buyer, Time and Space	10	-	-	-	-	-	-	10	0	-	-	0	04.01	Advertising Services	
	162.158-074	Commission Man, Livestock	30	-	-	-	30	0	-	-	-	-	10	10	04.06	Food Distribution	
	162.158-082	Field-Contact Man	10	-	-	-	-	-	-	-	-	-	0	0	01.0401	Food Products	
	162.158-102	Purchasing Agent	280	10	20	0	10	0	20	0	70	0	0	0	04.99	Distributive Education, Other	
	162.158	Securities Trader	110	-	-	-	-	-	-	110	0	-	-	0	*		
	162.168-010	Buyer, Grain	390	140	0	10	0	20	0	70	0	10	30	01.0401	Food Products		
	163.118-026	Manager, Sales	960	30	40	0	120	20	30	0	130	10	140	04.12	Industrial Marketing		
	163.168-018	Manager, Utilities Sales and Service	80	-	20	0	10	0	-	10	0	0	0	0	04.12	Industrial Marketing	
	164.068-010	Advertising Assistant	10	-	-	-	-	-	-	-	-	-	0	0	04.01	Advertising Services	
	164.118-010	Director, Advertising	10	-	-	-	-	-	-	-	-	-	0	0	04.01	Advertising Services	
	164.118-014	Manager, Advertising	280	-	10	0	30	0	-	140	0	0	0	0	04.01	Advertising Services	
	164.168-010	Account Executive	60	-	-	-	-	-	-	-	-	-	60	0	04.01	Advertising Services	
	165.068-022	Public-Relations Man II	170	20	0	-	-	-	-	100	10	0	0	0	04.01	Advertising Services	
	165.068-026	Sales-Service Man	120	-	-	-	-	-	-	40	0	0	0	0	04.01	Advertising Services	
	166.088-010	Job Analyst	70	-	-	-	-	-	-	70	70	-	-	0	14.0602	Interviewers and Test Technicians	
	166.118-010	Director, Educational	10	-	-	-	-	-	-	10	0	-	-	0	14.0601	Ed. Asst. and Training Specialists	
	166.118-022	Manager, Personnel	490	-	80	0	20	0	10	160	10	220	20	14.0603	Personnel Assistants		
	166.168-010	Benefits-and-Service-Records Supervisor	10	-	-	-	-	-	-	10	0	-	-	0	14.0603	Personnel Assistants	
	166.168-026	Manager, Employment	50	-	-	-	-	-	-	20	0	30	40	14.0603	Personnel Assistants		
	166.168-034	Estate Planner	80	-	-	-	-	-	-	-	-	80	20	04.13	Insurance		
	166.228-018	Supervisor, Training	10	-	-	-	-	-	-	10	0	-	-	0	14.0601	Ed. Asst. and Training Specialists	
	166.228-022	Training Representative	10	-	-	-	-	-	-	10	0	-	-	0	14.0601	Ed. Asst. and Training Specialists	
	166.268-014	Employment Interviewer I	280	30	40	0	-	-	10	0	-	200	150	14.0602	Interviewers and Test Technicians		
	166.268-018	Employment Interviewer II	80	-	-	-	-	-	-	30	0	50	0	14.0602	Interviewers and Test Technicians		
	166.268	Field Representative	110	-	-	-	-	-	-	110	0	-	-	0	*		
	168.268-034	Placement Officer	90	-	-	-	-	-	10	0	0	40	150	0	14.0602	Interviewers and Test Technicians	
	168.168	Immigration Inspector	80	-	-	-	-	-	-	-	-	80	0	10	*		
	168.168	Investigator	50	-	-	-	-	-	-	50	10	-	-	10	*		
	168.168-050	Manager, Credit-and-Collection	410	20	10	0	-	-	-	340	80	40	80	14.0899	Supr. & Adm. Management Occup., Other		





OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM		
D.O.F. Number	Job Title	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Total State Projected 2 Year Need	H.E.W. Number Program	
168.168-082	Safety Inspector	10	0	-	-	-	-	-	-	-	-	-	-	0	17.2899	Public Service, Other
168.284-010	Safety Inspector I	10	-	-	-	-	-	10	0	-	0	-	-	0	17.2899	Public Service, Other
168.287-010	Agricultural-Commodity Grader	30	-	-	-	-	-	30	0	-	0	-	-	10	16.02	Agricultural Related Technology
168.368	Title Clerk	10	-	-	-	-	-	-	-	-	-	10	0	0	*	
169.118-022	Labor-Relations Specialist	20	-	-	-	-	-	-	-	20	0	-	-	0	14.0699	Personnel Training Occupations, Other
169.168-014	Administrative Assistant	640	-	30	0	10	0	40	10	250	0	310	50	60	14.0801	Administrative Assts.
169.168-018	Administrative Secretary	330	-	-	-	-	-	10	0	200	10	120	0	10	14.0701	Executive Secretary
169.168	Appeals Referee, Unemployment Insurance	20	-	-	-	-	-	-	-	10	0	10	0	0	*	
169.168-026	Chief Clerk	160	-	-	-	-	-	60	0	70	0	30	0	0	14.0805	Office Managers
169.168-058	Manager, Electronic-Data-Processing	110	-	-	-	-	-	-	-	90	0	20	0	10	14.02	Business Data Processing Systems
169.168-062	Manager, Office	4,410	110	330	0	320	0	190	0	1,410	150	2,050	200	270	14.0805	Office Managers
169.168-070	Park Ranger	10	-	-	-	-	-	-	-	10	0	-	-	0	01.0602	Recreation
169.188-014	Underwriter	540	-	-	-	-	-	60	0	30	0	450	70	150	04.13	Insurance
169.268-014	Claims Taker, Unemployment Benefits	40	-	-	-	-	-	-	-	40	0	-	-	0	14.0602	Interviewers and Test Technicians
169.388-010	Escrow Officer	20	-	-	-	-	-	-	-	-	-	20	0	10	14.0899	Supr. & Adm. Management
	Subtotal	15,740	650	840	20	710	20	910	10	5,780	630	6,850	960	1,590		Occup. Other
<b>Managers, Officials (Other)</b>																
180.118-010	Field Man	20	-	-	-	-	-	-	-	20	0	-	-	0	01.01	Agricultural Production
180.168-022	General Manager, Farm	320	10	70	0	50	0	10	0	50	0	100	0	10	01.0104	Farm Business Management
180.168-030	Manager, Production, Seed Corn	10	-	-	-	-	-	-	-	-	-	-	-	0	01.0102	Plant Science
181.118-010	Manager, Bulk Plant	166	-	20	0	30	0	20	0	60	0	30	0	0	04.16	Petroleum
182.168	Contractor	850	90	100	0	20	0	80	0	200	10	360	0	10	*	
182.168	Superintendent, Construction	190	10	20	0	-	-	50	0	-	-	110	20	0	*	
182.287	Construction Inspector	120	-	-	-	-	-	-	-	80	0	40	0	0	*	
183.118-010	Manager, Branch	70	-	-	-	-	-	-	-	50	10	20	0	10	04.12	Industrial Marketing
183.118	Production Superintendent	1,200	40	30	0	50	0	190	50	70	0	820	40	110	*	
183.168	General Supervisor	220	-	30	0	-	-	80	40	-	-	110	10	10	*	
183.168-034	Manager, Food Processing Plant	30	-	-	-	-	-	-	-	-	-	-	-	0	01.0401	Food Products
184.118-018	Director, Transportation	20	-	-	-	-	-	10	0	-	-	10	0	0	04.19	Transportation
184.118-042	Manager, Operations	20	-	-	-	-	-	-	-	20	0	-	-	10	04.19	Transportation
184.118	Manager, Station	40	-	-	-	-	-	20	0	-	-	20	0	0	*	

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM	
D.O.I. Number	Job Title	Total State Projected Employment	12 Month New	12 Month Need	12 Month New	12 Month Need	12 Month New	12 Month Need	12 Month New	12 Month Need	12 Month New	12 Month Need	Total State Projected 2 Year Need	H.F.W. Number	Program
184.168	Director, Program	100	-	-	40	10	50	0	10	0	10	0	0	*	
184.168	Director, Public Service	10	-	-	-	-	-	-	-	-	-	0	0	*	
184.168-066	Manager, Bus Transportation	10	-	-	-	-	-	-	-	-	-	0	0	04.19	Transportation
184.168-090	Manager, Traffic	10	-	-	-	-	10	0	0	0	0	0	0	04.19	Transportation
184.168-114	Manager, Warehouse	110	-	-	20	0	30	0	0	0	60	0	0	04.19	Transportation
184.168	Superintendent, Distribution	50	-	10	0	0	40	0	-	-	-	-	0	*	
185.168-010	Commissary Man	310	-	160	0	-	150	0	-	-	-	-	0	04.06	Food Distribution
185.168-036	Manager, Distribution Warehouse	50	-	10	0	-	10	0	-	-	-	0	0	04.31	Wholesale Trade, Other
185.168-034	Manager, Donut Shop	90	10	0	-	50	10	0	10	0	10	0	0	04.06	Food Distribution
185.168-042	Manager, Franchise Promotion	40	-	-	-	-	-	-	-	-	-	0	0	04.17	Real Estate
185.168-046	Manager, Merchandise	30	-	10	0	-	10	0	10	0	-	0	0	04.08	General Merchandise
185.168-050	Manager, Parts	470	10	0	10	110	90	0	90	0	210	20	20	04.03	Automotive
185.168-054	Manager, Store I	7,100	370	0	1,280	60	1,710	0	1,710	40	2,060	180	180	04.08	General Merchandise
185.168-058	Manager, Store II	40	-	-	10	0	0	0	0	-	10	0	0	04.16	Petroleum
185.168-066	Service Manager	340	20	0	110	0	60	0	60	0	100	0	0	04.03	Automotive
185.168-078	Wholesaler	480	20	0	-	-	80	0	0	0	340	0	90	04.31	Wholesale Trade, Other
186.118	Business Manager, College or University	20	-	10	0	-	10	0	-	0	-	-	0	*	
186.118	Controller	180	-	-	10	0	70	0	-	0	100	0	0	*	
186.118-026	Manager, Financial Institution	2,460	70	0	290	10	1,550	0	1,550	280	240	20	480	04.04	Finance and Credit
186.118-030	Manager, Insurance	1,330	40	0	20	0	400	0	400	40	790	40	120	04.13	Insurance
186.118-042	Property-Rental Agent	20	-	10	0	-	-	-	-	-	10	0	0	04.17	Real Estate
186.118-046	Real Estate Agent	10	-	-	-	-	-	-	-	-	10	0	0	04.17	Real Estate
186.118	Trust Officer	30	-	-	-	-	-	-	-	-	30	0	0	*	
186.168-010	Bank Cashier	530	20	10	140	10	190	10	190	10	70	20	100	04.04	Finance and Credit
186.168-022	Manager, Apartment House	170	-	-	10	0	10	0	10	0	140	0	0	04.17	Real Estate
186.168-050	Reserve Officer	10	-	-	-	-	-	-	-	-	10	0	0	04.04	Finance and Credit
186.168-030	Manager, Insurance Office	60	-	30	0	-	10	0	10	0	10	0	0	04.13	Insurance
186.168-034	Manager, Property	540	40	0	50	0	210	0	210	10	140	20	10	04.17	Real Estate
186.288-010	Loan Officer	1,560	60	0	30	0	690	30	690	140	490	50	290	04.04	Finance and Credit
186.388-010	Disbursement Clerk	20	-	-	-	-	-	-	-	-	-	-	0	14.0805	Office Managers
187.118	Administrator, Hospital and Nursing Home	750	90	0	180	0	80	0	80	10	210	20	30	*	
187.118	Director, Community Org.	230	20	0	10	10	160	0	160	20	20	10	10	*	
187.118	Business Agent	90	-	20	0	-	20	0	20	0	50	0	0	*	
187.118-030	Manager, Hotel	230	50	0	60	10	30	0	30	0	20	0	20	04.11	Hotel and Lodging
187.118-034	Manager, Motel	290	60	0	40	10	30	0	30	0	60	0	30	04.11	Hotel and Lodging



OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM														
D O I Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H.F.W. Number	Program
		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need			
187.118	Public Health Service Officer	-	-	-	-	-	-	-	-	10	10	-	-	0	*	
187.138-010	Houseparent	-	-	80	0	-	-	-	-	80	30	40	0	10	09.0205	Inst. Home Mgt. & Supportive Services
187.168-026	Director, Funeral	-	-	-	-	40	0	20	0	30	0	50	0	10	04.15	Personal Services
187.168-038	Director, School Lunch Program	-	-	-	-	-	-	10	0	-	-	30	0	0	09.0203	Food Mgt. Production and Services
187.168-050	Executive Housekeeper	70	0	-	0	-	-	-	-	-	-	20	10	0	09.0205	Inst. Home Mgt. & Supportive Services
187.168-058	Manager, Barber Shop	-	-	-	-	-	-	-	-	10	0	10	0	0	04.15	Personal Services
187.168-062	Manager, Beauty Shop	30	10	50	0	10	10	70	0	50	0	70	0	0	04.15	Personal Services
187.168-066	Manager, Cafeteria or Lunchroom	-	-	350	0	-	-	-	-	-	-	20	0	0	09.0203	Food Mgt., Production and Services
187.168-074	Manager, Cemetery	-	-	-	-	-	-	-	-	-	-	20	0	0	04.15	Personal Services
187.168	Manager, Recreation	70	0	40	0	90	10	160	0	70	0	60	10	30	*	
187.168-098	Manager, Golf Club	10	0	-	-	20	0	10	0	-	-	30	0	0	04.18	Recreation and Tourism
187.168-106	Manager, Liquor Establishment	40	0	10	10	80	10	70	10	70	0	300	0	0	04.07	Food Services
187.168-126	Manager, Restaurant or Coffee Shop	260	0	100	10	240	0	350	0	570	20	450	0	40	04.07	Food Services
187.168-134	Manager, Service Department	-	-	-	-	-	-	-	-	10	0	20	0	0	04.09	Hdw., Bldg. Mat., Farm & Garden Sup. & Eqp.
187.168-145	Manager, Theater	-	-	-	-	-	-	20	0	90	10	-	-	20	04.18	Recreation and Tourism
187.168-154	Manager, Vehicle Leasing and Rental	-	-	-	-	-	-	-	-	20	0	100	20	50	04.03	Automotive
187.168-162	Manager, Catering	-	-	-	-	-	-	-	-	10	0	10	0	0	04.07	Food Services
187.168	National Service Officer	-	-	-	-	-	-	-	-	-	-	10	0	0	*	
187.168-194	Superintendent, Building II	40	10	10	0	-	-	-	-	20	0	-	-	9	04.17	Real Estate
187.168-198	Superintendent, Laundry	10	-	-	-	-	-	10	0	-	-	-	-	0	04.15	Personal Services
187.268	Field Representative	40	-	-	-	-	-	-	-	-	-	40	10	0	*	
188.118	Civil Defense Officer	170	-	-	-	-	-	20	0	150	10	-	-	20	*	
188.118	Commissioner	150	-	-	-	-	-	140	0	10	0	-	-	10	*	
188.118	Manager, City: Industrial Planning Administrator	470	80	80	0	120	0	130	0	60	20	-	-	0	*	
188.118	Welfare Director	60	-	-	-	-	-	60	0	-	-	-	-	0	*	
188.168	Election Procedures Advisor	10	-	-	-	-	-	-	-	-	-	-	-	0	*	
188.168	Manager, Housing Authority	10	-	-	-	-	-	-	-	-	-	-	-	0	*	



OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM		
D O I Number	Job Title	12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		Total State Projected 2 Year Need	H.I.W. Number	Program
		Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need			
188.168	Postmaster	20	0	60	0	30	0	30	0	110	0	-	-	20	*	
188.168	Revenue Agent: Property-Utilization Officer	-	-	-	-	-	-	-	-	330	50	-	-	50	*	
188.168	Secretary of State	-	-	-	-	-	-	-	-	1	0	-	-	0	*	
188.188	Assessor	-	-	50	10	-	-	10	0	10	0	-	-	0	*	
189.118	Director, Research & Development	-	-	-	-	-	-	-	-	310	70	10	0	20	*	
189.118-018	Manager, Industrial Org.	280	10	110	0	50	0	310	0	770	50	1,490	20	310	04.12	Industrial Marketing
189.118	President,	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
189.158-010	Vice-President	-	-	10	0	-	-	50	0	40	0	90	10	10	*	
189.168-010	Business Broker	-	-	-	-	-	-	-	-	-	-	10	0	0	04.04	Finance and Credit
189.168-014	Junior Executive	-	-	-	-	-	-	-	-	-	-	10	0	0	04.08	General Merchandise
189.168-018	Manager Trainee	-	-	-	-	-	-	30	0	40	10	40	10	10	04.08	General Merchandise
189.168	Security Supervisor	-	-	-	-	-	-	-	-	-	-	10	0	0	*	
	Subtotal	30,921	1,910	30	3,730	150	2,040	60	4,230	150	9,111	850	9,900	423	2,160	
	Misc. Professional, Tech., and Managerial	40	-	-	-	-	-	10	0	-	-	30	0	0	04.18	Recreation and Tourism
191.118-010	Booking Agent	-	-	-	-	-	-	-	-	-	-	10	0	0	04.18	Recreation and Tourism
191.118-014	Business Agent	-	-	-	-	-	-	-	-	-	-	150	20	20	*	
191.158	Pawnbroker	-	-	-	-	-	-	-	-	-	-	10	0	0	*	
191.268-018	Credit Analyst	-	-	-	-	-	-	-	-	-	-	10	0	10	04.04	Finance and Credit
191.287-014	Appraiser,	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
191.288	Real Estate Appraiser	-	-	-	-	-	-	20	0	110	30	50	10	50	04.17	Real Estate
195.108	Caseworker	60	0	80	40	60	60	60	0	70	0	360	30	140	*	
195.118	Administrator,	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
195.168	Social Welfare Caseworker, Supervisor	-	-	-	-	40	10	-	-	-	-	-	-	10	*	
195.168	Community Org. Worker	-	-	-	-	-	-	-	-	40	0	10	0	0	*	
195.168-026	Director, Recreation Center	10	0	-	-	-	-	-	-	-	-	100	0	0	04.18	Recreation and Tourism
195.208	Case Aide	-	-	-	-	-	-	-	-	-	-	10	0	0	*	
195.228	Program Aid, Group Work: Recreation Leader	-	-	-	-	10	0	110	0	150	70	60	20	120	*	
196.228	Instructor, Flying	-	-	-	-	-	-	20	10	-	-	50	0	20	*	
196.263-014	Airplane Pilot, Commercial	20	0	-	-	-	-	20	10	-	-	130	0	20	16.0601	Commercial Pilot Training
196.283	Airplane Pilot, Crop Dusting	-	-	-	-	10	0	40	0	-	-	-	-	0	*	
199.168	Urban Planner	-	-	-	-	-	-	10	10	30	0	-	-	0	*	
	Subtotal	1,980	90	80	40	120	50	290	30	400	100	1,000	80	357		
	TOTAL - PROFESSIONAL, TECHNICAL & MANAGERIAL OCCUPATIONS	119,191	9,170	410	13,580	940	7,660	640	14,000	930	30,971	2,210	43,810	5,370	12,110	

\*No Vocational Instructional Training Program Listed

**TABLE 3  
CLERICAL AND SALES OCCUPATIONS**

OCCUPATIONAL GROUP	D.O.I. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	Instructional Training Program Number
			12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now		
			Employment		Employment		Employment		Employment		Employment		Employment			
Stenographic, Typing, Filing and Related																
	201.368-010	Legal Secretary	70	0	60	10	100	0	180	10	290	20	560	110	14.0702	Secretaries
	201.368-014	Medical Secretary	100	0	0	0	200	0	260	0	260	20	190	60	14.0702	Secretaries
	201.368-018	Secretary	800	60	1,350	70	1,220	90	1,300	140	4,830	450	10,170	3,730	14.0702	Secretaries
	202.388-014	Stenographer	20	0	20	0	10	0	40	0	300	20	390	40	14.0703	Stenographers
	202.388-010	Telegraphic-Typewriter Operator, Chief	10	0	0	0	0	0	0	0	0	0	0	0	14.0902	Typists
	203.588-014	Telegraphic-Typewriter Operator	20	0	0	0	0	0	0	0	0	0	0	0	14.0902	Typists
	203.588-018	Typist	3,900	40	0	30	20	0	100	20	940	250	2,540	950	14.0902	Typists
	204.288-010	Correspondence Clerk	40	0	0	0	0	0	0	0	40	10	0	10	14.0402	Correspondence Clerks
	205.138-010	Personnel Clerk	10	0	0	0	0	0	0	0	0	0	0	0	14.0603	Personnel Assistants
	205.168-010	Supervisor	10	0	0	0	0	0	0	0	0	0	0	0	14.0603	Personnel Assistants
	205.368	Travel Clerk	10	0	0	0	0	0	0	0	0	0	0	0	14.0603	Personnel Assistants
	205.368	Admissions Evaluator	60	0	0	0	0	0	0	0	0	0	0	0	14.0603	Personnel Assistants
	205.368-014	Employment Clerk	50	0	0	0	0	0	0	0	40	0	0	0	14.0603	Personnel Assistants
	205.368-026	Personnel Clerk	60	0	0	0	0	0	0	0	10	0	50	0	14.0603	Personnel Assistants
	205.388-010	Civil-Service Clerk	10	0	0	0	0	0	0	0	10	0	0	0	14.0603	Personnel Assistants
	206.388-018	File Clerk I	2,870	0	0	10	0	0	10	0	250	70	2,590	1,570	14.0302	File Clerks
	206.388-034	Record Clerk II	20	0	0	0	0	0	0	0	20	10	0	0	14.0302	File Clerks
	206.588-010	Brand Recorder	40	0	0	0	0	0	0	0	40	0	0	0	14.0302	File Clerks
	207.782-030	Typewriter Operator, Automatic	60	0	0	0	0	0	0	0	50	40	0	10	14.0301	Duplicating Mach. Oper.
	208.588-018	Photocomposing-Machine Perforator Operator	100	0	0	0	0	0	0	0	0	0	0	20	14.0399	Filing, Off. Machine & Gen. Of. Cler. Other.
	208.782-014	Imbussing-Machine Operator II	10	0	0	0	0	0	0	0	0	0	10	0	14.0399	Filing, Off. Machine & Gen. Of. Cler. Other.
	208.885-014	Microfilm Mounter	10	0	0	0	0	0	0	0	10	0	0	0	14.0399	Filing, Off. Machine & Gen. Of. Cler. Other.
	209.368-014	Evaluator	10	0	0	0	0	0	0	0	0	0	0	20	14.0399	Filing, Off. Machine & Gen. Of. Cler. Other.
	209.382	Justewriter Operator	30	10	0	0	10	0	10	0	0	0	0	0	14.0399	Filing, Off. Machine & Gen. Of. Cler. Other.
	209.388-014	Cancellation Clerk	10	0	0	0	0	0	0	0	0	0	0	0	14.0399	Filing, Off. Machine & Gen. Of. Cler. Other.
	209.388-018	Classified-Ad Clerk	120	0	0	10	100	30	0	0	0	0	0	20	14.0399	Filing, Off. Machine & Gen. Of. Cler. Other.
	209.388-022	Clerk-Typist	1,140	50	10	120	0	20	0	50	800	160	100	240	14.0901	Clerk-Typists
	209.388-030	Mortgage Clerk	30	0	0	10	0	0	0	20	0	0	0	0	14.0399	Filing, Off. Machine & Gen. Of. Cler. Other.

OCCUPATIONAL GROUP	D.O.I. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H.F.W. Number	Program
			12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need				
			Now	0	Now	0	Now	0	Now	0	Now	0	Now	0			
<b>INSTRUCTIONAL TRAINING PROGRAM</b>																	
209.488-010		Circulation Clerk	80	0	80	0	-	-	-	-	-	-	-	-	0	14.0399	Filing, Off. Machine & Gen. Off. Cler. Other
209.488-018		Invoice-Control Clerk	50	0	10	0	-	-	-	-	-	-	-	-	0	14.0399	Filing, Off. Machine & Gen. Off. Cler. Other
209.588-018		Clerk, General	13,120	20	10	60	10	840	30	470	60	11,720	4,190	360	14.0399	Filing, Off. Machine & Gen. Off. Cler. Other	
209.588-046		Marker	80	-	-	-	-	-	-	-	-	-	10	40	04.08	General Merchandise	
209.588-050		Price Clerk	30	-	-	-	-	-	-	10	0	-	0	0	14.0399	Filing, Off. Machine & Gen. Off. Cler. Other	
209.688-034		Proofreader I	20	20	0	-	-	-	-	-	-	-	-	0	14.0399	Filing, Off. Machine & Gen. Off. Cler. Other	
209.688-014		Checker II	10	-	-	-	10	-	-	-	-	-	-	0	14.0399	Filing, Off. Machine & Gen. Off. Cler. Other	
<b>Subtotal</b>			44,470	1,170	80	2,210	130	1,510	200	8,370	1,110	28,450	7,910	7,180			
<b>Computing and Account Receiving</b>																	
210.368-010		Account Information Clerk	120	-	20	0	-	-	-	100	10	-	-	0	0	14.0102	Bookkeepers
210.368-014		Insurance Clerk	30	10	0	-	-	20	0	-	-	-	-	0	0	14.0102	Bookkeepers
210.388-010		Account-Classification Clerk	90	20	0	-	-	-	-	10	0	60	10	20	14.0102	Bookkeepers	
210.388-018		Billing-Control Clerk	30	10	0	-	10	10	0	-	-	-	-	0	14.0102	Bookkeepers	
210.388-022		Bookkeeper I	13,930	1,160	10	1,830	80	1,800	130	2,950	290	5,380	370	1,250	14.0102	Bookkeepers	
210.388-026		Bookkeeper II	20	-	-	-	-	-	-	-	-	-	0	0	14.0102	Bookkeepers	
210.588-010		Insurance Clerk II	10	-	-	-	10	0	-	-	-	-	-	0	14.0102	Bookkeepers	
211.368-010		Cashier I	750	70	20	40	10	110	20	160	50	200	30	100	14.0103	Cashiers	
211.458-010		Cashier II	1,310	-	50	10	-	10	0	670	280	580	290	1,310	04.08	General Merchandise	
211.468-026		Cashier-Wraper	270	-	120	26	30	-	0	20	100	100	10	80	14.0103	Cashiers	
211.468-034		Desk Clerk	160	10	0	-	40	30	0	70	10	10	0	20	04.11	Hotel and Lodging	
211.468-062		Ticket Seller	80	-	-	-	10	10	0	50	10	10	0	0	04.18	Pecreation and Tourism	
211.483-010		Money Counter	20	-	-	-	-	-	-	-	-	20	0	0	14.0103	Cashiers	
212.138-010		Teller, Head	10	10	0	-	-	-	-	-	-	-	-	0	14.0105	Tellers	
212.368-010		Teller	2,330	90	10	170	10	270	20	1,440	340	240	40	460	14.0105	Tellers	
213.138-010		Supervisor, Computer Operation	120	-	-	-	-	-	-	60	10	60	0	10	14.0201	Computer & Console Oper.	
213.382-018		Digital-Computer Operator	2,480	10	0	20	10	10	0	1,100	140	1,330	140	270	14.0201	Computer & Console Oper.	
213.582-010		Keypunch Operator	1,860	-	20	20	0	10	460	460	40	1,370	160	410	14.0202	Keypunch & Coding Equipment Operators	
213.588-014		Verifier Operator	350	-	10	10	-	-	-	130	100	210	70	250	14.0202	Keypunch & Coding Equipment Operators	
213.782-010		Typing-Machine Operator	10	-	-	-	-	-	-	10	0	-	-	0	14.0202	Keypunch & Coding Equipment Operators	





**OCCUPATIONAL GROUP**

**INSTRUCTIONAL TRAINING PROGRAM**

DO I Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H I W Number	Program
		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need			
214.488-010	Billing-Machine Operator	90	-	-	-	-	-	-	-	10	0	80	0	30	14.0104	Machine Operators
215.388-010	Bookkeeping-Machine Operator	150	-	-	60	10	10	0	50	50	0	30	0	30	14.0104	Machine Operators
215.488-010	Payroll Clerk	240	-	10	0	-	-	90	90	0	0	140	0	30	14.0104	Machine Operators
216.388	Statistical Clerk	40	-	10	0	-	-	10	20	10	0	-	-	10	*	
216.388-070	Balance Clerk	30	-	-	30	0	-	-	-	-	-	-	-	10	14.0104	Machine Operators
216.488-022	Food Checker	10	-	-	-	-	-	-	-	-	-	-	-	10	04.07	Food Services
217.388-010	Proof-Machine Operator	20	-	20	0	-	-	-	-	-	-	-	-	0	14.0104	Machine Operators
219.138-026	Payroll-Clerk, Chief	40	-	10	0	10	-	-	10	0	0	10	0	0	14.0199	Accounting & Computing Occupations Other:
219.368-010	Brokerage Clerk II	150	-	-	-	-	-	-	70	0	0	80	10	10	04.04	Finance and Credit
219.388-026	Billing Clerk II	110	-	-	20	0	-	-	20	0	0	70	10	10	14.0303	General Office Clerks
219.388-038	Budget Clerk	40	-	-	-	-	-	-	-	-	-	40	0	0	14.0303	General Office Clerks
219.388-066	Clerk, General Office	15,000	520	850	50	600	110	620	40	3,580	940	8,830	1,610	4,520	14.0303	General Office Clerks
219.388-126	Film-Rental Clerk	10	-	-	-	-	-	-	-	-	-	10	0	0	14.0303	General Office Clerks
219.388-146	Insurance Clerk I	30	-	10	0	-	-	20	-	-	-	-	-	0	14.0303	General Office Clerks
219.388-118	Estimator	20	-	-	-	-	-	-	-	-	-	20	0	0	17.1999	Graphic Arts, Other
219.388-178	Media Clerk	10	-	-	-	-	-	-	-	-	-	10	0	0	14.0303	General Office Clerks
219.388-182	Mortgage-Accounting Clerk	10	-	-	-	-	-	-	-	-	-	-	-	0	14.0303	General Office Clerks
219.368-210	Rate Clerk, Freight	50	-	-	-	-	-	-	-	-	-	-	-	10	14.0303	General Office Clerks
219.388-270	Tax Clerk I	20	20	-	-	-	-	-	-	-	-	-	-	0	14.0303	General Office Clerks
219.388-286	Ward Clerk	50	-	-	40	10	10	10	-	-	-	-	-	40	14.0303	General Office Clerks
219.488-010	Accounting Clerk	640	-	20	20	-	-	-	500	0	0	120	0	10	14.0303	General Office Clerks
219.488-026	Brokerage Clerk	90	-	-	-	-	-	-	-	-	-	90	0	0	14.0303	General Office Clerks
	Subtotal	40,830	1,930	40	3,210	210	1,980	230	3,010	240	11,580	2,240	19,120	2,750	8,900	
	Shipping and Receiving Clerks	70	-	-	-	-	-	-	-	-	-	-	-	0	14.0501	Planning & Prod. Clerks
221.168-010	Material Coordinator	370	-	-	-	-	-	-	360	10	0	10	0	10	14.0501	Planning & Prod. Clerks
221.388-054	Production Clerk II	410	10	10	20	0	20	0	20	0	0	330	40	90	14.0503	Shipping & Receiving Clerks
222.138-026	Shipping Clerk I	10	-	-	-	-	-	-	-	-	-	10	0	0	14.0503	Shipping & Receiving Clerks
222.368-014	Expeditor I	420	-	-	-	-	-	-	-	-	-	420	90	180	14.0503	Shipping & Receiving Clerks
222.387-018	Receiving Clerk	550	80	120	20	-	-	30	30	0	0	290	60	140	14.0503	Shipping & Receiving Clerks
222.387-026	Shipping & Receiving Clerk	70	-	10	0	-	-	10	50	0	0	-	-	0	14.0503	Shipping & Receiving Clerks
222.587-014	Distributing Clerk	60	-	-	-	-	-	-	-	-	-	60	0	0	14.0503	Shipping & Receiving Clerks
222.587-042	Shipping Clerk II	10	-	-	-	-	-	-	-	-	-	10	0	0	14.0505	Traffic, Rate and Transportation Clerks
222.588-026	Traffic Clerk I	20	-	-	-	-	-	-	-	-	-	20	20	0	14.0503	Shipping & Receiving Clerks
222.687-022	Receiving Checker	30	-	-	-	-	-	-	-	-	-	30	10	0	14.0503	Shipping & Receiving Clerks
222.687-030	Shipping Checker	10	-	-	-	-	-	-	-	-	-	10	0	0	14.0503	Shipping & Receiving Clerks
222.687-034	Sorter		-	-	-	-	-	-	-	-	-	10	0	0	14.0503	Shipping & Receiving Clerks





OCCUPATIONAL GROUP	DO I Number	Job Title	INSTRUCTIONAL TRAINING PROGRAM														
			Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	HFW Number	Program
			12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now			
	223.138-026	Stock Supervisor	10	-	-	-	-	-	-	-	-	-	-	0	14.0504	Stock & Inventory Clerks	
	223.368	Procurement Clerk	10	-	-	-	-	-	-	-	-	-	-	0	*	*	
	223.387	Stock Clerk	2,540	30	200	60	240	50	220	60	1,630	350	570	0	*	*	
	223.388-014	Inventory Clerk	310	-	10	0	10	0	120	0	160	20	70	14.0504	Stock & Inventory Clerks		
	223.487-010	Checker, Bakery Products	20	10	0	0	-	-	-	-	-	-	0	04.06	Food Products		
	223.487-018	Mail-Order Filler	10	-	-	-	-	-	10	0	-	-	0	14.0504	Stock & Inventory Clerks		
	223.687-014	Checker I	10	-	-	-	-	-	-	-	-	0	0	14.0504	Stock & Inventory Clerks		
	223.887-010	Central-Supply Worker	350	80	40	10	40	10	-	-	190	60	80	07.0905	Central Supply Technicians		
	224.487-030	Weighter II	20	-	20	0	-	-	-	-	-	-	0	14.0599	Material Support Occu. Other		
	224.587	Gram Weigher	80	-	-	-	20	0	-	-	60	10	20	*	*		
	224.587	Weighmaster	10	-	-	-	10	0	-	-	-	-	0	*	*		
	229.138-038	Yard Supervisor	10	-	-	-	-	-	10	0	-	-	0	14.0539	Material Support Occu. Other		
	229.488-014	Estimator, Jewelry	10	-	-	-	-	-	10	0	-	-	0	14.0599	Material Support Occu. Other		
		Subtotal	5,420	210	40	440	60	270	70	340	50	830	70	3,330	1,160		
		Information and Message Distribution	80	-	-	60	20	-	-	-	-	20	20	-	70	14.0405	Messengers, Office Boys and Girls
	230.375-022	Messenger	80	-	-	10	0	10	0	0	20	20	30	14.0405	Messengers, Office Boys and Girls		
	230.878-026	Office Helper	10	-	-	-	-	-	10	0	10	0	0	0	14.0403	Mail and Postal Clerks	
	231.138-010	Mail Supervisor	420	20	0	10	0	10	0	10	0	120	230	14.0403	Mail and Postal Clerks		
	231.588-014	Mail Clerk	1,540	-	-	-	-	-	1,540	0	-	-	0	0	14.0403	Mail and Postal Clerks	
	231.688-010	Distribution Clerk	210	-	-	-	-	-	210	0	-	-	0	0	14.0403	Mail and Postal Clerks	
	232.138-010	Supervisor, Mails	580	40	0	50	0	20	0	50	0	420	0	0	14.0403	Mail and Postal Clerks	
	232.368-014	Post Office Clerk	100	-	-	-	-	-	100	0	-	-	0	0	14.0403	Mail and Postal Clerks	
	233.138-010	Supervisor, Carriers	2,660	60	0	120	0	30	0	30	10	2,420	30	10	14.0403	Mail and Postal Clerks	
	233.388-010	Mail Carrier	150	70	0	-	-	-	70	0	-	-	10	10	14.0403	Mail and Postal Clerks	
	233.388-014	Rural-Mail Carrier	10	-	-	-	-	-	10	0	-	-	0	0	14.0404	Mail-Preparing & Mail-Handling Machine Operators	
	234.582-010	Addressing-Machine Operator	20	-	-	-	-	-	20	0	-	-	0	0	14.0404	Mail-Preparing & Mail-Handling Machine Operators	
	234.885-022	Sealing-and-Cancelling-Machine Operator	30	-	-	-	-	-	30	0	-	-	0	0	14.0401	Communication Systems Clerks & Operators	
	235.138-014	Telephone Operator, Chief	130	-	-	-	-	-	-	-	-	-	30	14.0401	Communication Systems Clerks & Operators		
	235.228-010	Private-Branch-Exchange-Service Advisor															



**INSTRUCTIONAL TRAINING PROGRAM**

OCCUPATIONAL GROUP	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	Program
	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now		
<b>Total State Projected Employment</b>	<b>180</b>	<b>0</b>	<b>10</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>180</b>	<b>30</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>60</b>	<b>14.0401</b>
235.862-010 Central-Office Operator	180	0	10	50	10	10	0	180	30	30	0	30	60	14.0401
235.862-026 Telephone Operator	4,220	10	0	50	10	10	0	30	10	4,120	3,260	4,120	20	14.0401
235.862-030 Telephone-Answering-Service Operator	60	0	0	0	0	0	0	30	0	30	0	30	0	14.0401
237.168-010 Traveler Counselor	230	0	0	0	0	0	0	0	0	230	40	230	100	04.18
237.368-018 Hospital-Admitting Clerk	10	0	0	10	0	0	0	0	0	0	0	0	0	14.0406
237.368-022 Information Clerk	10	0	0	0	0	0	0	10	0	0	0	0	0	14.0406
237.368-038 Receptionist	5,600	160	10	640	40	130	10	470	140	2,920	250	2,920	420	14.0406
237.368-042 Registrar	50	20	0	30	0	0	0	0	0	0	0	0	0	14.0406
239.368-018 Manager, Traffic	30	0	0	0	0	0	10	0	0	20	0	0	0	04.99
239.388-010 Dispatcher, Maintenance Service	20	0	0	0	0	0	0	0	0	20	0	0	0	04.99
239.587-010 Mailer	50	0	0	0	0	0	0	0	0	50	0	0	0	14.0499
239.588-026 Router	0	0	0	0	0	0	0	0	0	0	0	0	0	14.0499
<b>Subtotal</b>	<b>16,480</b>	<b>380</b>	<b>10</b>	<b>980</b>	<b>70</b>	<b>210</b>	<b>10</b>	<b>580</b>	<b>340</b>	<b>7,530</b>	<b>3,580</b>	<b>7,530</b>	<b>1,000</b>	
<b>Miscellaneous Clerical</b>														
240.368-010 Collector	10	0	0	0	0	0	0	0	0	10	0	0	0	04.08
240.388-010 Collection Clerk	30	0	0	0	0	0	0	0	0	30	10	30	10	14.99
241.168-010 Claim Adjuster	500	0	0	0	20	0	60	0	0	390	20	390	60	04.13
241.368-010 Adjustment Clerk	10	0	0	0	0	0	0	0	0	10	0	10	0	04.08
242.368-010 Hotel Clerk	90	0	0	0	0	0	0	0	10	40	0	40	20	04.11
242.368-014 Travel Clerk	20	0	0	0	0	0	0	0	0	20	0	20	0	04.11
243.368-026 Service Clerk	70	10	0	0	0	0	10	0	0	40	0	40	0	14.99
249.138-010 Claims Deputy Supervisor	30	0	0	10	0	0	0	0	0	20	0	0	10	14.99
249.138-026 Survey Workers	10	0	0	0	0	0	0	0	0	10	0	0	0	14.0499
249.268-010 Claim Examiner	480	0	0	0	0	0	0	0	0	480	110	480	150	04.13
249.268-014 Survey Worker	290	10	0	0	0	0	0	0	0	0	0	0	0	14.0499

**OCCUPATIONAL GROUP**

**INSTRUCTIONAL TRAINING PROGRAM**

D.O.T. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H.I.W. Number	Program	
		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need				
249.288-018	Field-Map Editor	30	0	-	-	-	-	-	-	-	-	-	-	0	16.0106	Civil Technology	
249.368-010	Claims Clerk	20	-	-	-	-	-	-	-	-	-	-	0	0	14.99	Office Occupations, Other	
249.368-014	Clerk, Electoral	10	-	10	0	-	-	-	-	-	-	-	0	0	14.99	Office Occupations, Other	
249.368-026	Court Clerk	40	-	40	40	-	-	-	-	-	-	-	0	0	14.99	Office Occupations, Other	
249.368-034	Credit Reporter	20	-	-	-	-	-	-	-	20	-	-	0	0	14.99	Office Occupations, Other	
249.368-062	New-Account Clerk	1,150	-	-	-	-	-	-	-	-	1,150	-	0	0	04.08	General Merchandise	
249.368-070	Order Clerk	650	30	30	0	10	0	20	0	110	400	40	200	14.99	Office Occupations, Other		
249.368-082	Reservation Clerk	30	-	-	-	-	-	-	-	20	10	10	0	0	14.0499	Information, Communi-cations, Occu. Other	
249.388-018	Credit Authorizer	10	-	-	-	-	-	-	-	-	-	-	0	0	14.99	Office Occupations, Other	
249.388-022	Forms Analyst	50	40	-	-	-	-	-	-	10	-	-	10	10	14.99	Office Occupations, Other	
249.388-034	Medical-Records Clerk	280	40	70	0	40	0	30	0	50	50	10	10	10	14.0499	Information, Communi-cations, Occu. Other	
249.388	Stock-Transfer Clerk	20	-	-	-	-	-	-	-	-	-	-	0	0	*		
249.887-014	Cutter, Press Clippings	60	-	-	-	-	-	-	-	-	-	-	0	0			
	Subtotal	3,910	210	40	160	70	40	180	10	640	50	890	470				
	Sales Workers, Services	3,010	190	20	250	180	20	200	20	690	180	1,500	390	04.13		Insurance	
250.258-014	Sales Worker, Insurance	250	20	20	20	20	20	20	20	20	20	20	20	20	04.17	Real Estate	
250.358-026	Sales Worker, Real Estate	100	30	30	120	50	300	300	0	1,450	240	2,000	420	04.17		Real Estate	
251.258-010	Sales Worker, Securities	760	20	0	-	30	0	-	-	710	0	-	10	04.04		Finance and Credit	
252.258-010	Sales Worker, Financial Service	30	10	0	-	-	-	-	-	-	-	20	0	0	04.04		Finance and Credit
252.358-014	Sales Worker, Business Services	890	10	0	20	0	60	60	0	560	250	240	30	04.12		Industrial Marketing	
253.358-010	Sales Worker, Radio and Television Time	90	-	-	-	-	-	-	-	30	30	30	20	04.01		Advertising Services	
254.258-010	Sales Representative	40	-	-	-	-	-	-	-	-	-	40	0	0	04.11		Hotel and Lodging
255.258-010	Traffic Agent	10	-	-	-	-	-	-	-	-	-	-	0	0	04.19		Transportation
256.358-010	Sales Worker, Food Vending Service	10	-	-	-	-	-	-	-	-	-	10	0	0	04.07		Food Services
257. 8-010	Sales Worker, Public Utilities	30	-	-	-	10	0	-	-	-	-	20	10	04.99		Distributive Education, Other	
258.258-014	Sales Worker, Signs and Displays	20	-	-	-	-	-	-	-	-	-	20	0	0	04.01		Advertising Services
258.358-010	Sales Worker, Advertising	560	20	10	50	10	20	20	10	230	20	230	70	04.01		Advertising Services	



OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM			
DOE Number	Job Title	Total State Projected Employment	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	HIW Number	Program	
258.358-014	Sales Worker, Printing	160	-	50	0	-	-	-	-	-	-	110	0	30	04.12	Industrial Marketing	
258.358-018	Sales Worker, Signs	30	-	-	-	-	-	-	-	-	-	30	0	0	04.01	Advertising Services	
259.358-014	Sales Worker, Soft Water Service	50	20	-	-	-	-	-	-	-	-	30	0	20	04.99	Distributive Education, Other	
	Subtotal	9,710	370	60	490	30	280	40	620	30	3,670	720	4,280	320	2,000		
<b>Sales Workers and Salespersons, Commodities</b>																	
260.458-010	Salesperson, Flowers	410	10	0	90	0	60	20	20	0	100	70	130	40	60	04.05	Floristry
261.158-010	Commission Man, Agricultural Products	10	-	-	10	0	-	-	-	-	-	-	-	10	04.06	Food Distribution	
261.258-010	Sales Worker, Livestock	300	70	0	10	0	-	-	-	-	-	220	0	0	04.06	Food Distribution	
262.358-010	Sales Worker, Food Products	1,920	10	0	50	10	40	20	170	30	370	10	1,280	230	04.06	Food Distribution	
262.358-014	Sales Worker, Grain-and-Feed Products	990	30	0	140	20	300	60	140	20	330	10	50	90	01.0202	Feeds	
263.358-010	Sales Worker, Canvas Products	10	-	-	-	-	-	-	10	0	-	-	-	0	04.12	Industrial Marketing	
263.358-018	Sales Worker, Footwear	70	-	-	70	0	-	-	-	-	-	-	-	20	04.02	Apparel & Accessories	
263.358-026	Sales Worker, Uniforms	80	-	-	-	-	-	-	-	-	-	80	10	10	04.02	Apparel & Accessories	
263.358-030	Sales Worker, Women's and Girls' Apparel	20	-	-	-	-	-	-	-	-	-	20	0	20	04.02	Apparel & Accessories	
263.358-042	Salesperson, Furs	20	-	-	-	-	-	-	-	-	-	20	0	0	04.02	Apparel & Accessories	
263.358-046	Salesperson, Men's Furnishings	80	-	-	-	-	30	0	20	0	30	-	-	10	04.02	Apparel & Accessories	
263.358-050	Salesperson, Shoes	660	60	10	30	0	40	0	140	30	210	20	180	110	04.02	Apparel & Accessories	
263.458-010	Salesperson, Infants' and Children's Wear	120	-	-	-	-	30	0	-	-	-	-	90	40	04.02	Apparel & Accessories	
263.458-014	Salesperson, Men's and Boys' Clothing	350	60	0	40	10	70	0	100	0	80	0	-	30	04.02	Apparel & Accessories	
263.458-022	Salesperson, Women's Garments	5,280	150	0	900	100	190	30	390	30	1,480	570	2,170	2,030	04.02	Apparel & Accessories	
263.458-026	Salesperson, Yard Goods	350	10	0	50	0	20	0	30	0	150	20	90	40	04.08	General Merchandise	
265.358-014	Sales Worker, Paper and Paper Products	510	-	-	10	0	10	0	-	-	100	40	390	60	04.12	Industrial Marketing	
266.258-010	Sales Worker, Chemicals and Drugs	140	-	-	-	-	50	0	-	-	30	0	60	30	04.12	Industrial Marketing	
266.358-014	Salesperson, Cosmetics and Toiletries	20	-	-	-	-	-	-	10	0	10	20	-	0	04.08	General Merchandise	
266.358	Sales Worker, Toilet Preparation	20	-	-	-	-	-	-	-	-	20	0	-	0	*	*	

DOE Number	Occupational Group Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H F W Number	Program
		12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now			
		12	12	12	12	12	12	12	12	12	12	12	12			
267.358-010	Sales Worker, Fuel	-	-	-	-	-	-	-	-	-	-	-	-	0	04.31	Wholesale Trade, Other
268.358-010	Sales Worker, Plastic Products	-	80	-	-	-	-	-	-	-	-	-	-	0	-	-
273.258-010	Sales Worker, Foundry and Machine Shop Products	-	-	-	-	-	-	-	-	-	-	-	-	0	04.12	Industrial Marketing
273.358-010	Sales Worker, Metals	-	-	-	-	-	-	-	-	20	-	-	-	0	04.12	Industrial Marketing
274.358-014	Sales Worker, Custom Drapery	-	-	-	-	-	-	-	-	-	-	-	-	0	04.12	Industrial Marketing
274.358-018	Sales Worker, Floor Coverings	-	-	-	-	-	-	-	-	-	-	-	-	10	04.10	Home Furnishings
274.358-022	Sales Worker, Home Furnishings	-	-	-	-	-	-	-	-	180	-	-	-	490	04.10	Home Furnishings
274.358-026	Salesperson, China and Glassware	-	-	-	-	-	-	-	-	70	-	-	-	50	04.10	Home Furnishings
274.358-030	Salesperson, Curtain and Draperies	-	-	-	-	-	-	-	-	-	-	-	-	0	04.08	General Merchandise
274.358-034	Salesperson, Furniture	-	-	-	-	-	-	-	-	30	-	-	-	10	04.10	Home Furnishings
276.158-010	Sales Worker, Machines	50	290	0	20	10	80	0	180	30	30	100	30	30	04.10	Home Furnishings
276.358-010	Sales Worker, Building and Construction Eq. & Sup.	-	110	0	-	-	40	0	30	0	0	30	30	80	04.12	Industrial Marketing
276.358-030	Sales Worker, Oil-Field Supplies & Equipment	20	240	20	10	10	190	0	430	40	-	-	-	420	04.09	Hdwe., Bldg. Materials, Farm & Garden Supplies & Eq.
276.358-054	Sales Worker, Welding Equipment	50	-	-	-	-	-	-	-	-	-	-	-	0	04.16	Petroleum
276.358-058	Salesperson, General Hardware	2,200	350	30	230	180	390	40	660	30	30	390	30	50	04.09	Hdwe., Bldg. Materials, Farm & Garden Supplies & Eq.
277.251-010	Service-Sales Worker, Milking Machines	70	-	-	-	-	70	0	-	-	-	-	-	0	01.0301	Agricultural Power and Machinery
277.358-010	Sales Worker, Cattle-and-Poultry Food Supplements	50	-	-	-	-	-	-	-	-	-	-	-	100	04.09	Hdwe., Bldg. Materials, Farm & Garden Supplies & Eq.
277.358-018	Sales Worker, Farm & Garden Equip. & Supplies	1,530	100	30	220	0	560	160	350	20	100	100	30	320	04.09	Hdwe., Bldg. Materials, Farm & Garden Supplies & Eq.
277.358-026	Sales Worker, Tractor and Farm Implements	660	20	10	20	70	180	40	250	0	120	10	50	50	04.09	Hdwe., Bldg. Materials, Farm & Garden Supplies & Eq.
277.358-030	Salesperson, Lawn and Garden Equip. & Supplies	20	-	-	-	-	-	-	-	-	-	-	-	20	04.09	Hdwe., Bldg. Materials, Farm & Garden Supplies & Eq.

OCCUPATIONAL GROUP		Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM
DOI Number	Job Title		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need		
278.258-010	Home-Service Representative	20	-	-	-	-	-	-	-	-	-	-	20	0	09.0204	Home Furnishings, Equip. and Services
278.258-014	Sales Worker, Communication Equipment	10	-	-	-	-	-	-	-	-	-	-	-	0	04.12	Industrial Marketing
278.258-018	Salesperson, Hi-F;	70	-	-	-	-	-	-	-	-	-	-	50	20	04.10	Home Furnishings
278.358-010	Sales Worker, Gas-or-Electric Appliances	120	10	10	10	10	0	10	30	10	0	40	20	0	04.10	Home Furnishings
278.358-014	Sales Worker, Household Equipment	380	-	70	0	20	0	110	0	0	10	40	140	60	04.10	Home Furnishings
278.358-018	Sales Worker, Radio and Television Products	10	-	10	0	-	-	-	-	-	-	-	-	0	04.10	Home Furnishings
278.358-022	Sales Worker, Sewing Machines	10	-	-	-	-	-	-	-	-	-	-	-	0	04.10	Home Furnishings
278.358-030	Salesperson, Television and Appliances	110	-	20	0	-	20	0	30	10	30	40	120	0	04.10	Home Furnishings
280.258-010	Sales Worker, Aircraft	120	-	-	-	-	-	-	-	-	-	-	-	0	04.19	Transportation
280.358-014	Sales Worker, Automobile	2,970	310	570	90	310	30	290	20	680	70	810	450	450	04.03	Automotive
280.358-018	Sales Worker, Automobile Parts	870	10	50	0	30	0	40	10	280	30	460	20	20	04.03	Automotive
280.358-026	Sales Worker, House Trailers	220	10	20	0	10	0	-	-	130	20	50	20	0	04.03	Automotive
280.358-030	Sales Worker, Marine Supplies	80	-	40	0	-	-	-	-	-	-	40	0	0	04.19	Transportation
280.358-034	Sales Worker, Motor Vehicles and Supplies	720	20	-	-	-	-	-	-	-	90	40	40	100	04.03	Automotive
280.458-010	Salesperson, Automobile Accessories	430	-	90	0	80	10	20	10	-	-	240	30	0	04.03	Automotive
281.358-026	Sales Worker, Office Machines	510	30	60	10	-	-	-	-	190	30	230	10	90	04.12	Industrial Marketing
281.358	Sales Worker, Barber and Beauty Supplies	20	-	-	-	-	-	-	-	-	-	20	0	0	*	
281.358-038	Sales Worker, Vending and Coin Machines	120	-	-	-	20	0	80	10	-	-	20	0	0	04.07	Food Services
282.258-010	Sales Worker, Dental and Medical Equip. and Supplies	50	-	-	-	-	-	-	-	50	20	-	-	10	04.12	Industrial Marketing
282.258-014	Sales Worker, Medical Equipment and Supplies	120	-	-	-	-	-	30	0	-	-	90	0	0	04.12	Industrial Marketing
282.358	Salesperson, Hearing Aids	80	-	-	-	-	-	-	-	-	-	30	10	30	*	
282.358-010	Sales Worker, Veterinarian Sup.	140	20	10	0	-	-	-	-	10	0	100	10	30	01.0299	Ag. Supplies/Services Other



OCCUPATIONAL GROUP			INSTRUCTIONAL TRAINING PROGRAM														
D.O.T. Number	Job Title	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H. I. W. Number	Program
			12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now			
283.358-010	Sales Worker, Jewelry and Optical Goods	30	-	-	-	-	-	-	-	-	-	-	-	0	150	04.02	Apparel & Accessories
283.358-014	Salesperson, Jewelry	640	10	0	120	10	30	0	70	10	80	10	330	60	10	04.02	Apparel & Accessories
285.358-010	Salesperson, Photographic Supplies & Equipment	80	-	-	20	10	-	-	50	0	10	10	-	-	20	04.18	Recreation and Tourism
286.358-010	Sales Worker, Amusement and Sporting Goods	50	-	-	-	-	-	-	-	10	20	10	30	0	0	04.18	Recreation and Tourism
286.358-014	Sales Worker, Hobbies and Crafts	50	-	-	10	10	-	-	10	10	20	10	10	10	0	04.18	Recreation and Tourism
286.358-018	Salesperson, Sporting Goods	320	-	-	80	0	60	0	70	0	60	30	50	20	60	04.18	Recreation and Tourism
287.358-010	Sales Worker, Musical Instrument & Accessories	150	30	10	10	10	-	-	70	0	40	10	-	-	50	04.18	Recreation and Tourism
289.158-014	Sales Worker, Containers	140	90	50	-	-	-	-	-	-	-	-	50	0	20	04.12	Industrial Marketing
289.358	Counter Worker, Farm Eqp. Parts	240	-	-	50	20	-	-	100	30	80	20	10	0	30	*	
289.358-014	Sales Worker, General Merchandise	170	-	-	-	-	-	-	10	0	130	30	30	10	60	04.12	Industrial Marketing
289.358-018	Sales Worker, General Merchandise	410	40	0	-	-	-	-	10	0	110	20	250	20	70	04.31	Wholesale Trade, Other
289.358-022	Sales Worker, House-to-House	6,520	-	-	20	10	-	-	-	-	-	-	6,500	2,850	0	04.20	Retail Trade, Other
289.358-030	Sales Worker, Novelties	90	-	-	-	-	-	-	-	-	20	0	70	0	20	04.18	Recreation and Tourism
289.358-042	Salesperson, Books	860	60	10	30	10	-	-	-	-	560	70	210	0	60	04.18	Recreation and Tourism
289.358-046	Salesperson, Parts	1,600	260	40	240	20	110	20	370	20	360	60	260	30	260	04.03	Automotive
289.458-014	Salesperson, General Merchandise	17,670	200	10	880	70	310	10	920	100	2,360	250	13,000	1,320	3,240	04.08	General Merchandise
	Subtotal	56,460	2,060	270	5,000	490	2,330	280	5,010	620	11,250	1,730	30,810	5,920	9,280		
<b>Merchandising, except Sales Workers</b>																	
290.468-014	Manager, Branch Store	150	-	-	10	0	-	-	30	0	80	0	30	0	0	04.15	Personal Services
290.478-014	Sales Clerk	50	50	0	-	-	-	-	-	-	-	-	-	-	20	04.08	General Merchandise
290.877-010	Salesperson, Food	2,000	150	0	230	0	190	0	590	170	310	70	530	120	320	04.06	Food Distribution
291.158-010	Buyer I	50	-	-	-	10	-	-	-	-	40	0	-	-	0	04.06	Food Distribution
292.138-010	Route Supervisor	140	-	-	-	-	-	-	10	0	40	0	90	0	0	04.06	Food Distribution
292.358-010	Sales Worker-Driver	1,210	90	10	120	0	-	-	170	40	280	100	550	70	150	04.06	Food Distribution
292.887-010	Sales Worker-Driver Helper	30	-	-	30	10	-	-	-	-	-	-	-	-	20	04.06	Food Distribution
293.358	Goodwill Ambassador	30	-	-	10	0	-	-	10	0	10	0	-	-	0	*	
293.358-026	Solicitor	50	-	-	-	-	-	-	-	-	-	-	50	0	0	04.20	Retail Trade, Other
294.258-010	Auctioneer	150	-	-	30	0	-	-	100	0	20	0	-	-	0	04.08	General Merchandise
297.458	Instructor, Painting	80	-	-	-	-	-	-	-	-	-	-	-	-	10	*	
298.081-010	Display Man	80	-	-	60	0	-	-	20	0	-	-	-	-	0	04.01	Advertising Services





OCCUPATIONAL GROUP	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM
		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need			
		Now	12	Now	12	Now	12	Now	12	Now	12	Now	12		
299.138-014 Department Head, Supermarket	450	20	0	60	10	-	110	0	70	0	190	30	10	04.06	Food Distribution
299.138-022 Manager, Department	1,500	-	-	50	0	10	40	0	190	0	1,210	110	200	04.08	General Merchandise
299.381-010 Carpet Cutter	570	40	0	60	0	-	100	0	160	20	210	200	430	17.1099	Const. & Maintenance Trades, Other
299.468-010 Cashier-Checker	4,410	210	20	560	80	400	790	200	740	180	1,710	510	1,430	04.06	Food Distribution
299.478-010 Contact-Lens Technician	10	-	-	-	-	-	-	-	-	-	-	0	0	07.0601	Ophthalmic Dispensing
299.478 Delivery Worker	940	100	10	50	0	30	30	30	60	40	670	420	900	*	
299.587-010 Bakery Clerk	260	-	-	-	-	-	30	0	30	0	200	0	10	04.06	Food Distribution
299.687 Clothing Inspector	130	-	-	130	400	-	-	-	-	-	-	-	800	*	
299.884 Drapery Hanger	60	-	-	10	0	-	40	0	-	-	10	0	10	*	
299.884-014 Optician, Dispensing	50	-	-	40	10	-	-	-	10	0	-	-	20	07.0601	Ophthalmic Dispensing
<b>Subtotal</b>	<b>12,400</b>	<b>660</b>	<b>40</b>	<b>1,450</b>	<b>510</b>	<b>640</b>	<b>50</b>	<b>2,070</b>	<b>440</b>	<b>2,120</b>	<b>420</b>	<b>1,460</b>	<b>4,330</b>		
<b>TOTAL--CLERICAL AND SALES OCCUPATIONS</b>	<b>189,680</b>	<b>6,990</b>	<b>580</b>	<b>13,940</b>	<b>1,540</b>	<b>7,290</b>	<b>810</b>	<b>14,570</b>	<b>1,620</b>	<b>45,260</b>	<b>6,680</b>	<b>101,630</b>	<b>33,320</b>		

\*No Vocational Instructional Training Program Listed.

**TABLE 4  
SERVICE OCCUPATIONS**

OCCUPATIONAL GROUP	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM
		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need			
		Now	12	Now	12	Now	12	Now	12	Now	12	Now	12		
<b>Domestic</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>		
302.887-014 Launderer	100	10	0	10	0	-	20	0	30	0	30	0	0	09.0202	Clothing Mgt., Production and Services
303.138-010 Housekeeper, Home I	10	-	-	-	-	-	-	-	-	-	-	-	0	09.0205	Inst. & Home Mgt. & Supporting Services
303.878 Farm Housekeeper	10	-	-	-	-	-	-	-	-	-	-	-	0	*	
305.281-010 Cook	10	-	-	-	-	-	-	-	-	-	-	-	0	09.0203	Food Mgt. Production and Services
306.878-010 Homemaker	450	70	0	20	0	30	90	10	130	20	110	10	0	09.0205	Inst. & Home Mgt. & Supporting Services
307.878-010 Nursemaid	30	-	-	-	-	-	10	0	20	30	-	-	20	09.0201	Care & Guidance of Children
309.878-026 Foster Parent	10	-	-	-	-	-	-	-	10	10	-	-	10	09.0201	Care & Guidance of Children
<b>Subtotal</b>	<b>620</b>	<b>90</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>120</b>	<b>10</b>	<b>200</b>	<b>60</b>	<b>150</b>	<b>10</b>	<b>30</b>		

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		Initial State Projected 2 Year Need		INSTRUCTIONAL TRAINING PROGRAM	
D.O.I. Number	Job Title	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	H.I.W. Number	Program		
<b>Food &amp; Beverage Preparation and Service</b>																	
310.138-010	Kitchen Supervisor	10	0	-	-	-	-	-	-	-	-	-	-	0	0	09.0203	Food Mgt. Production and Services
310.868-010	Hostess, Restaurant or Coffee Shop	350	20	40	0	-	-	10	140	70	140	140	30	210	04.07	Food Services	
311.878-010	Waiter's Assistant	1,320	120	50	30	10	40	40	550	260	550	550	140	610	17.2904	Waiter/Waitress	
311.878-014	Car Hop	270	-	90	0	-	30	50	40	0	90	90	0	30	17.2904	Waiter/Waitress	
311.878-022	Counter Work, Cafeteria	60	-	-	-	60	0	-	-	-	-	-	-	0	17.2904	Waiter/Waitress	
311.878-026	Counter Worker, Lunch Room or Coffee Shop	50	-	-	-	-	-	-	50	20	-	-	-	10	17.2904	Waiter/Waitress	
311.878-054	Waiter, Formal	670	140	-	-	-	-	-	260	80	270	270	20	200	17.2904	Waiter/Waitress	
311.878-058	Waiter, Informal	15,330	1,740	680	3,070	540	1,050	320	1,840	490	4,170	3,460	1,430	6,260	17.2904	Waiter/Waitress	
312.878	Bar tender	4,550	580	40	320	0	390	20	630	270	980	1,650	890	2,300	17.2904	Waiter/Waitress	
313.131-010	Chef	120	-	-	-	-	-	-	80	10	-	40	0	0	17.2902	Cook/Chef	
313.138-010	Baker, Head	10	-	-	-	-	-	-	-	-	-	10	0	0	17.2901	Baker	
313.138-014	Cook, Head, School Cafeteria	250	20	0	20	0	50	0	40	0	40	80	40	20	09.0203	Food Mgt. Production and Services	
313.168-010	Executive Chef	10	-	-	-	-	-	-	-	-	-	10	0	0	17.2902	Cook/Chef	
313.381-010	Baker, Pizza	110	60	10	-	-	-	-	10	0	-	40	0	0	17.2901	Baker	
313.381-018	Cook	7,700	680	70	1,380	100	750	20	1,320	130	1,950	1,620	320	960	17.2902	Cook/Chef	
313.381-042	Cook, Specialty, Foreign Food	30	-	-	-	-	-	-	-	-	-	30	0	0	17.2902	Cook/Chef	
313.781-010	Baker	250	-	70	0	10	20	10	60	20	60	90	0	0	17.2901	Baker	
313.781-018	Ice-Cream Man	10	-	-	-	-	-	-	10	0	-	-	-	0	17.2902	Cook/Chef	
313.884-010	Baker Helper	200	-	-	-	-	-	-	200	200	200	-	-	500	17.2901	Baker	
314.381-010	Cook, Short-Order	2,480	140	40	490	10	220	40	260	40	560	810	60	500	17.2902	Cook/Chef	
314.781-010	Cook, Specialty	270	-	-	-	30	0	0	200	200	200	40	0	460	17.2902	Cook/Chef	
315.381-010	Cook	2,140	20	0	590	50	210	20	170	0	20	1,130	300	320	17.2902	Cook/Chef	
316.884-018	Meat Cutter	1,010	100	0	230	20	100	10	180	30	160	240	40	150	17.2903	Meat Cutters	
316.884-022	Meat Cutter	330	-	-	-	-	-	30	0	-	-	300	150	300	17.2903	Meat Cutters	
317.884-018	Apprentice Pantry Worker	310	-	10	0	10	0	-	260	260	260	30	10	670	17.2902	Cook/Chef	
317.887-010	Cook Helper	1,530	260	40	450	50	20	30	140	80	630	630	110	320	17.2902	Cook/Chef	
318.887	Kitchen Helper	2,670	310	50	320	80	60	0	430	130	1,040	510	210	1,400	17.2902	Cook/Chef	
319.138-010	Food Service Supervisor	190	90	20	40	10	60	0	-	-	-	-	-	60	09.0203	Food Mgt. Production and Services	
319.874-010	Caterer Helper	100	-	-	-	-	-	-	100	0	-	-	-	0	09.0203	Food Mgt. Production and Services	
319.878-010	Fountain Worker	500	40	0	-	40	0	30	350	100	40	40	0	130	17.2904	Waiter/Waitress	
<b>Subtotal</b>		<b>42,830</b>	<b>4,330</b>	<b>1,010</b>	<b>7,170</b>	<b>890</b>	<b>3,070</b>	<b>430</b>	<b>5,090</b>	<b>970</b>	<b>11,360</b>	<b>4,170</b>	<b>11,810</b>	<b>3,750</b>	<b>15,410</b>		



OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM		
DOI Number	Job Title	12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		Total State Projected 2 Year Need	H.I.W. Number	Program
		Now	12	Now	12	Now	12	Now	12	Now	12	Now	12			
<b>Lodging and Related Services</b>																
320.137-010	Manager, Lodging Facilities	30	0	160	0	10	0	80	0	110	0	10	0	0	04.11	Hotel and Lodging
321.138-010	Housekeeper	100	20	380	20	70	10	160	0	190	0	-	-	40	09.0205	Inst. & Home Mgt. & Supporting Services
323.887	Houseman	-	-	10	0	-	-	-	-	20	0	20	0	0	*	*
323.887-014	Lodging Quarters Cleaners	200	50	190	60	40	20	240	60	460	90	450	150	180	09.0205	Inst. & Home Mgt. & Supporting
323.887-018	Cleaners, Hospital	50	20	-	-	-	-	120	40	-	-	520	50	200	09.0205	Inst. & Home Mgt. & Supporting
324.878-018	Doorman	-	-	-	-	-	-	-	-	-	-	20	0	150	04.11	Hotel and Lodging
324.878-022	Room-Service Clerk II	-	-	-	-	-	-	-	-	-	-	40	0	0	04.11	Hotel and Lodging
329.138-010	Superintendent, Service	-	-	-	-	-	-	-	-	-	-	10	0	0	04.11	Hotel and Lodging
	Subtotal	380	90	740	80	120	30	600	100	780	90	1,070	200	570		
<b>Barbering, Cosmetology &amp; Related Services</b>																
330.371-010	Barber	50	0	20	0	50	0	70	10	190	20	180	20	40	17.2601	Barbering
331.878-010	Manicurist	-	-	-	-	-	-	-	-	-	-	50	0	0	17.2602	Cosmetology
332.271-010	Cosmetologist	210	80	300	30	250	60	460	40	800	130	830	20	360	17.2602	Cosmetology
332.271-014	Cosmetologist, Apprentice	-	-	-	-	-	-	-	-	-	-	-	0	0	17.2602	Cosmetology
338.381-010	Embalmr	-	-	10	0	10	0	30	0	60	0	10	30	70	07.0909	Mortuary Science
339.871-010	Electrologist	-	-	-	-	-	-	-	-	-	-	10	10	0	17.2699	Personal Services, Other
339.878	Supply Clerk	-	-	-	-	-	-	-	-	-	-	30	0	0	*	*
	Subtotal	260	80	330	30	310	60	560	50	1,050	150	1,120	80	470		
<b>Amusement &amp; Recreation Services</b>																
340.368-010	Desk Clerk, Bowling Floor	-	-	40	0	40	0	60	0	-	-	40	0	20	04.18	Recreation and Tourism
341.368-010	Recreation-Facility Attendant	20	20	40	10	20	20	-	-	-	-	50	10	20	04.18	Recreation and Tourism
341.878	Caddie	-	-	-	-	20	0	-	-	-	-	-	-	20	*	*
342.858	Concession Attendant	-	-	-	-	20	20	220	200	-	-	10	0	200	*	*
342.863	Ride Operator	-	-	-	-	-	-	80	0	-	-	-	-	0	*	*
344.878	Usher	-	-	-	-	30	10	-	-	20	10	-	-	30	*	*
	Subtotal	20	20	80	10	130	50	360	200	20	10	100	10	290		
<b>Miscellaneous, Personal Services</b>																
353.168	Guide, Travel	20	0	-	-	-	-	-	-	-	-	-	-	0	*	*
354.878-010	Home Attendant	-	-	-	-	-	-	-	-	-	-	10	0	0	07.0307	Home Health Aid

OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM														
D.O.I. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H.F.W. Number	Program
		12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now			
354.878-022	Nurse, Practical	70	-	-	-	50	0	20	10	-	-	-	-	0	07.0302	Practical (Vocational) Nursing
355.878-010	Ambulance Attendant	80	-	-	-	-	-	20	0	-	-	-	0	0	07.0907	Medical Emergency Tech.
355.878-014	Attendant, Physical Therapy	190	10	0	10	0	-	-	-	10	0	50	50	07.0402	Physical Therapy	
355.878-018	Child-Care Attendant, School	90	-	-	90	20	-	-	-	-	-	-	40	09.0201	Care & Guidance of Children	
355.878-022	Cottage Parent Attendant	290	-	-	-	-	-	290	0	-	-	-	0	07.0303	Nursing Assistants	
355.878-034	Nurse Aid	10	-	10	0	-	-	-	-	-	-	-	0	07.0907	Medical Emergency Tech.	
355.878-038	Orderly	10,530	1,010	140	1,770	260	1,270	220	1,670	510	1,610	820	2,810	07.0303	Nursing Assistants	
355.887	Morgue Worker	20	-	-	-	-	-	20	10	-	-	0	0	07.0303	Nursing Assistants	
356.874-010	Animal Caretaker	40	-	-	-	-	-	-	-	-	-	0	0	01.99	Agriculture, Other	
356.874-038	Kennel Worker	160	10	0	10	0	-	20	10	90	20	30	20	01.99	Agriculture, Other	
356.874-046	Veterinary-Hospital Attendant	360	50	0	-	-	150	70	0	30	0	60	0	01.0299	Ag. Supplies and Services Other	
358.878	Locker-Room Attendant	50	-	-	-	-	-	10	0	40	10	-	10	*		
359.868	Escort	60	-	-	-	-	-	-	-	-	-	60	0	*		
359.873	Chauffeur (Domestic)	20	-	-	-	-	-	-	-	20	0	-	0	*		
359.878-026	Child-Care Assistant	200	-	-	70	20	-	-	-	-	-	130	0	09.0201	Care & Guidance of Children	
359.878	Funeral Attendant	100	20	0	-	30	0	20	0	10	0	20	0	*		
359.883	Chauffeur, Funeral Car	10	-	-	-	-	-	-	-	-	-	10	0	*		
	Subtotal	12,330	1,120	140	1,960	300	1,500	230	2,140	540	1,810	930	3,800	2,930		
<b>Apparel and Furnishings Services</b>																
361.138-010	Laundry Supervisor	60	-	30	0	10	0	-	-	-	-	20	0	0	17.1602	Laundry
361.885-022	Launderer I	1,110	150	30	170	10	180	10	340	0	130	0	140	50	17.1602	Laundry
361.886-010	Washer Helper, Machine	50	-	10	0	-	-	40	0	-	-	-	-	0	17.1602	Laundry
361.887-010	Laundry Laborer	50	-	50	10	-	-	-	-	-	-	-	-	20	17.1602	Laundry
362.381-010	Spotter	20	-	20	0	-	-	-	-	-	-	-	-	0	17.1601	Drycleaning
362.782	Drycleaner	180	-	20	10	-	-	130	20	10	0	20	0	0		
362.782-014	Drycleaner Apprentice	90	-	10	0	-	-	50	20	20	0	10	10	10	17.1601	Drycleaning
362.884-010	Drycleaner, Hand	20	-	-	-	-	-	-	-	20	0	-	-	0	17.1601	Drycleaning
362.884-030	Spotter	40	-	-	-	-	-	-	-	40	0	-	-	0	17.1601	Drycleaning
362.886-010	Drycleaner Helper	60	-	-	-	50	0	-	-	-	-	10	-	0	17.1601	Drycleaning
363.781-010	Silk Finisher	10	-	-	10	0	-	-	-	-	-	-	-	0	17.1601	Drycleaning
363.782-018	Presser, Machine	190	-	-	-	-	-	90	0	-	-	10	10	0	17.16	Fabric Maintenance Service
363.884-022	Presser, Hand	60	10	0	-	-	-	-	-	20	0	30	30	0	17.16	Fabric Maintenance Service
365.381-014	Shoe Repairer	70	-	-	-	-	-	-	-	50	0	20	20	30	17.3402	Shoe Repair
365.884-010	Shoe Repairer Helper	30	-	-	20	0	-	-	-	-	-	10	10	10	17.3402	Shoe Repair



**OCCUPATIONAL GROUP**

**INSTRUCTIONAL TRAINING PROGRAM**

D.O.I. Number	Job Title	Total State Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H I W Number	Program
			12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need	New			
366.878	Boothblack	20	10	0	-	-	-	-	10	0	-	-	-	-	0	*	
369.138-010	Dry-Cleaning Superintendent	40	-	-	-	-	20	0	20	0	-	-	-	-	0	04.15	Personal Services
369.478-014	Service-Establishment Attendant	190	-	-	-	100	30	30	30	0	40	0	20	10	20	04.15	Personal Services
369.877-010	Launderette Attendant	60	-	-	-	10	0	0	30	0	30	0	20	0	120	17.16	Fabric Maintenance Service
369.884-010	Fur Glazer	10	-	-	-	-	-	-	-	-	-	-	10	0	0	17.1699	Fabric Maintenance Services, Other
369.884-022	Laundry Operator	360	-	-	-	-	-	-	-	-	-	-	360	120	0	17.1602	Launderring
369.884-076	Rug Cleaner, Hand	30	10	0	-	-	-	-	20	0	20	0	-	0	0	17.1601	Drycleaning
	<b>Subtotal</b>	<b>2,750</b>	<b>180</b>	<b>30</b>	<b>340</b>	<b>370</b>	<b>40</b>	<b>710</b>	<b>40</b>	<b>470</b>	<b>30</b>	<b>680</b>	<b>130</b>	<b>260</b>			
<b>Protective Services</b>																	
372.868	Correction Officer	10	-	-	-	-	-	10	0	-	-	-	-	-	0	*	
372.868	Guards	4,520	20	0	-	70	0	50	0	10	0	4,370	2,130	4,150	*		
372.868	Jailor	20	-	-	-	20	0	-	-	-	-	-	-	0	*		
375.118-010	Police Chief	10	-	-	-	10	0	-	-	-	-	-	-	0	0	17.2802	Law Enforcement Training
375.168-030	Detective Chief	30	-	-	-	-	-	-	-	-	-	-	-	0	10	17.2802	Law Enforcement Training
375.268-030	Patrolman	320	40	0	50	20	0	120	0	80	20	10	0	20	17.2802	Law Enforcement Training	
376.868-014	Detective I	60	-	-	50	10	-	-	-	-	-	10	0	0	0	17.2802	Law Enforcement Training
377.868-014	Sheriff, Deputy	290	-	-	130	10	150	50	-	10	0	-	-	100	17.2802	Law Enforcement Training	
379.268	Drivers' License Examiner	10	-	-	-	-	-	-	-	10	0	-	-	0	0	*	
379.868	Lifeguard	180	-	-	30	0	10	40	-	140	40	-	-	40	0	*	
	<b>Subtotal</b>	<b>5,450</b>	<b>60</b>	<b>0</b>	<b>270</b>	<b>270</b>	<b>90</b>	<b>180</b>	<b>0</b>	<b>250</b>	<b>60</b>	<b>4,420</b>	<b>2,130</b>	<b>4,320</b>			
<b>Building and Related Services</b>																	
381.137-014	Porter, Head	30	-	-	-	-	-	-	-	10	0	-	-	0	0	17.11	Custodial Services
381.887-014	Building Interiors Cleaner	30	-	-	-	-	-	-	-	-	-	-	-	0	0	17.11	Custodial Services
381.887-026	Porter I	80	-	-	-	-	-	-	-	30	0	30	180	0	0	17.11	Custodial Services
381.887-030	Porter II	50	-	-	-	-	-	40	20	-	0	10	0	0	0	17.11	Custodial Services
382.884-010	Janitor I	10,020	650	50	1,350	800	110	1,190	50	2,940	520	3,090	570	1,790	0	17.11	Custodial Services
389.138-010	Exterminator Supervisor	20	-	-	-	-	-	-	-	20	0	-	-	0	0	01.0201	Agricultural Chemicals
389.884	Exterminator	10	-	-	-	-	-	-	-	-	-	-	-	10	0	*	
389.887-018	Floor Waxer	30	-	-	-	-	-	-	-	-	-	-	30	0	0	17.11	Custodial Services
389.887-022	Sexton	10	-	-	-	-	-	-	-	10	0	-	-	0	0	17.11	Custodial Services
389.887	Window Cleaner	30	-	-	-	-	-	-	-	-	-	-	30	10	0	*	
	<b>Subtotal</b>	<b>10,310</b>	<b>650</b>	<b>50</b>	<b>1,370</b>	<b>800</b>	<b>110</b>	<b>1,230</b>	<b>70</b>	<b>3,010</b>	<b>520</b>	<b>3,250</b>	<b>770</b>	<b>2,190</b>			
<b>TOTAL SERVICE OCCUPATIONS</b>		<b>82,320</b>	<b>7,090</b>	<b>1,420</b>	<b>12,290</b>	<b>1,520</b>	<b>1,040</b>	<b>10,990</b>	<b>1,980</b>	<b>18,950</b>	<b>5,390</b>	<b>26,400</b>	<b>8,010</b>	<b>26,470</b>			

\*No Vocational Instructional Training Program Listed.



**TABLE 5  
FARMING, FISHING, FORESTRY AND RELATED OCCUPATIONS**

OCCUPATIONAL GROUP	D.O.I. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM
			Month	Now	Month	Now	Month	Now	Month	Now	Month	Now	Month	Now		
			Need	Need	Need	Need	Need	Need	Need	Need	Need	Need	Need	Need		
<b>Plant Farming</b>																
401.181-010	Farmer, Cash Grain	70	20	0	10	0	30	0	10	0	-	-	-	-	0	01.0102 Plant Science
401.884-010	Farmhand, Grain	20	0	10	20	0	-	-	-	-	-	-	-	-	100	01.0102 Plant Science
403.181-010	Vegetable Grower	700	560	40	140	0	-	-	-	-	-	-	-	-	40	01.0102 Plant Science
405.883-010	Farmhand, Vegetable	950	930	2,030	20	0	-	-	-	-	-	-	-	-	40	01.0102 Plant Science
404.884-014	Tree Pruner	30	-	-	10	0	-	-	-	-	-	-	-	0	0	01.0299 Ag. Supplies and Services, Other
406.168-010	Nurseryman	120	-	-	-	-	-	-	10	0	10	0	20	40	01.0505 Nursery Operation and Management	
406.181-010	Flower Grower	210	-	-	-	-	10	10	-	-	140	40	0	40	01.0502 Floriculture	
406.181-018	Seed Grower	20	-	-	20	0	-	-	-	-	-	-	-	0	01.0102 Plant Science	
406.884-010	Laborer, Nursery	330	-	-	-	-	-	-	-	-	150	0	230	400	01.0505 Nursery Operation and Management	
406.887-010	Bagger-and-Burlap Man	20	-	-	-	-	-	-	-	-	10	50	10	20	01.0505 Nursery Operation and Management	
406.887-030	Nursery Worker	260	-	-	-	-	-	0	50	90	360	170	20	350	01.0505 Nursery Operation and Management	
407.137-010	Greenskeeper I	210	70	60	10	0	20	0	20	0	90	100	120	300	01.0506 Turf Management	
407.138-010	Superintendent, Greens	10	-	-	-	-	10	0	-	-	-	-	-	0	01.0506 Turf Management	
407.138-014	Tree-Trimming Supervisor	20	-	-	-	-	-	-	-	-	-	-	-	0	01.0501 Arboriculture	
407.181-010	Landscape Gardener	110	10	0	20	100	-	-	-	20	0	-	-	0	01.0504 Landscaping	
407.868-010	Park Caretaker	16	-	-	-	-	-	-	10	0	-	-	-	0	01.0602 Recreation	
407.883	Laborer, Golf Course	80	-	-	40	0	40	40	-	-	-	-	-	70	*	
407.884-010	Groundskeeper	1,020	80	40	60	0	20	10	180	0	390	150	50	100	01.0504 Landscaping	
407.887	Cemetery Worker	150	10	0	10	0	10	0	30	10	80	0	0	20	*	
407.887	Laborer Landscape	40	-	-	-	-	-	-	-	-	-	-	40	0	*	
407.887-022	Park Worker	90	-	-	80	0	-	-	0	20	10	0	-	0	01.0602 Recreation	
409.168-010	Manager, Farm	130	20	10	20	0	-	-	50	0	40	0	-	0	01.0104 Farm Business Management	
409.181-010	Tenant Farmer	360	30	0	110	10	80	0	120	10	20	0	-	0	01.0104 Farm Business Management	
409.181-014	Tree Surgeon	30	-	-	-	-	-	-	10	0	20	0	-	0	01.0501 Arboriculture	
409.883-010	Farm-Equipment Operator	510	90	120	50	60	20	40	170	70	170	40	60	540	01.0301 Agricultural Power & Machinery	
409.884	Sharecropper	30	30	0	-	-	-	-	0	10	-	-	-	0	*	
409.884-014	Tree-Surgeon Helper	10	-	-	-	-	-	-	10	20	0	30	-	60	01.0501 Arboriculture	
409.887	Airplane-Pilot Helper	20	-	-	-	-	-	-	20	0	-	-	-	0	*	
	Subtotal	5,560	1,850	2,310	620	170	240	100	660	190	1,250	800	940	550	2,390	
<b>Animal Farming</b>																
411.181-010	Farmer, Dairy	180	20	0	40	0	40	0	50	0	30	0	-	-	0	01.0101 Animal Science
411.884-010	Farmhand, Dairy	120	30	0	20	20	20	0	30	20	20	0	-	-	10	01.0101 Animal Science



OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM	
D.O.F. Number	Job Title	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Total State Projected 2 Year Need	I.I.E.W. Number Program
412.168-010	Manager, Hatchery	-	0	-	-	-	-	-	-	-	-	-	-	10	01.0401 Food Products
412.181-018	Poultryman, Egg	-	0	-	0	-	0	-	0	-	-	30	0	0	01.0101 Animal Science
412.181-022	Poultryman, Meat	-	-	-	-	20	0	10	0	-	-	-	-	0	01.0101 Animal Science
412.387-010	Poultry Technician	-	0	-	0	-	-	-	-	-	-	-	-	0	01.0299 Ag. Supplies and Services, Other
412.687-010	Chick Grader	-	0	-	0	-	-	-	-	-	-	-	-	0	01.0299 Ag. Supplies and Services, Other
412.884-014	Farmhand, Poultry	-	-	-	-	220	400	0	60	-	-	-	-	510	01.0101 Animal Science
412.886	Egg-Washing-Machine Operator	-	-	-	-	-	-	-	-	-	-	50	10	0	01.0101 Animal Science
412.887-014	Laborer, Hatchery	-	-	-	-	-	-	30	0	-	-	-	-	0	01.0101 Animal Science
412.887-018	Poultry Debeaker	-	-	-	0	-	-	-	-	-	-	-	-	0	01.0299 Ag. Supplies and Services, Other
413.131-010	Stock-Ranch Supervisor	10	0	30	10	-	-	-	-	-	-	-	-	10	01.0101 Animal Science
413.181-010	Cattle Rancher	1,100	20	570	40	670	0	190	0	20	0	20	0	120	01.0101 Animal Science
413.181-018	Herdsmen, Swine	10	0	-	-	-	-	10	0	20	0	-	-	0	01.0101 Animal Science
413.884-018	Farmhand, Livestock	70	20	90	50	420	170	600	80	120	50	40	0	190	01.0101 Animal Science
413.884-030	Ranch Hand	1,780	480	350	180	200	0	10	0	30	0	-	-	670	01.0101 Animal Science
419.181-014	Beekeeper	-	-	20	0	-	-	90	40	10	10	10	0	30	01.0101 Animal Science
	Subtotal	7,260	3,020	520	1,200	300	1,590	570	1,050	200	250	150	10	1,550	
<b>Miscellaneous Farming and Related</b>															
421.181-010	Farmer, General	1,600	90	2,350	40	2,300	40	3,450	80	2,270	20	470	0	210	01.01 Agricultural Products
421.883-010	Farmhand, General	1,090	430	930	170	810	190	1,400	510	1,490	620	90	60	1,750	01.01 Agricultural Products
422.137-010	Irrigation Head	-	-	-	-	40	0	-	-	-	-	-	-	0	01.0304 Water Management
422.887-014	Irrigator	30	110	-	-	10	10	0	10	90	40	-	-	20	01.0304 Water Management
422.887-018	Irrigator, Sprinkler System	-	-	-	-	20	20	-	-	-	-	-	-	20	01.0304 Water Management
423.999	Farm Couple	0	-	0	20	-	-	-	-	-	-	-	-	0	01.0304 Water Management
424.886-010	Chopper Operator, Stationary	-	-	20	10	-	-	-	-	-	-	10	10	0	01.0301 Agriculture Power & Machinery
429.885-010	Laborer, Seed Corn	-	-	-	-	-	-	10	0	-	-	-	-	0	01.0102 Plant Science
429.887-014	Grubber	-	-	-	-	-	-	-	-	10	0	-	-	10	01.99 Agriculture, Other
	Subtotal	18,490	2,720	630	3,300	240	3,180	260	4,860	600	3,860	570	70	2,020	
<b>Fishery and Related</b>															
436.884-022	Hatcheryman	-	-	-	-	-	-	-	-	-	-	20	0	0	01.0607 Fish (including Farms and Hatcheries)
	Subtotal	-	-	-	-	-	-	-	-	-	-	20	0	0	



OCCUPATIONAL GROUP	D.O.T. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM H.E.W. Number Program
			12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need			
			Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need		
<b>Agriculture Service</b>																
465.137-014		Spray Supervisor	0	0	10	-	-	-	-	-	-	-	-	-	0	01.0201 Agriculture Chemicals
465.781-010		Weed Inspector	110	-	10	0	0	0	60	40	40	0	0	80	01.0201 Agriculture Chemicals	
466.887-010		Livestock Caretaker, Yard-or-in-Transit	1,890	210	0	450	80	720	200	360	40	0	0	380	01.0401 Food Products	
469.884		Sheep Shearer	30	30	0	-	-	-	-	-	-	-	-	0		
		Subtotal	2,030	240	10	460	80	720	200	420	80	40	0	460		
		Self-Employed Farmers	52,470 <sup>a</sup>	2,669 <sup>a</sup>	83 <sup>b</sup>	4,794 <sup>b</sup>	110 <sup>b</sup>	12,498 <sup>b</sup>	215 <sup>b</sup>	15,822 <sup>b</sup>	13,977 <sup>a</sup>	225 <sup>b</sup>	2,710 <sup>b</sup>	45 <sup>b</sup>	1,902 <sup>b</sup>	
<b>TOTAL FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS</b>			85,830	10,499	3,553	10,374	900	18,228	1,345	22,812	19,417	1,805	4,500	675	8,322	

<sup>a</sup>No Vocational Instructional Training Program Listed.

<sup>b</sup>Nebraska Department of Agriculture, 1973 Nebraska Agriculture Statistics, loc. cit.

<sup>c</sup>Genevieux, Douglas, loc. cit.

**TABLE 6  
PROCESSING OCCUPATIONS**

OCCUPATIONAL GROUP	D.O.T. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM H.E.W. Number Program
			12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need			
			Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need		
<b>Processing of Metals</b>																
500.380-010		Plater	30	-	-	-	-	-	-	-	-	-	30	0	0	17.2399 Metalworking, Other
501.885-014		Plater, Hot-Dip	80	-	-	-	-	-	-	-	-	-	80	0	0	17.2399 Metalworking, Other
503.885		Metal-Cleaner, Immersion	120	-	-	-	-	-	-	-	-	-	120	0	0	
503.887		Sandblast-or-Shotblast-Equipment Operator	30	-	-	-	-	-	-	-	-	-	30	0	0	
504.782-026		Heat Treater I	30	-	-	-	-	-	-	-	-	-	30	0	0	17.24 Metallurgy
505.782-018		Metal-Spraying-Machine Operator, Automatic	200	-	-	-	-	-	-	200	-	-	-	20	20	17.2399 Metalworking, Other
509.886		Laborer, Scrap Breaker	10	-	-	-	10	0	-	-	-	-	-	0	0	
		Subtotal	500	-	-	-	10	0	-	200	-	-	290	0	20	

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM	
DO I Number	Job Title	Total State Projected Employment	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	Total State Projected 2 Year Need	HI W Number	Program
<b>Ore Refining and Foundry Occupations</b>															
519.887-022 Foundry Worker.															
	General	700	-	-	-	-	150	700	-	-	-	-	0	17.2301	Foundry
	Subtotal	700	-	-	-	-	150	700	-	-	-	-	0		
<b>Processing of Food, Tobacco, &amp; Related Products</b>															
520.782-034	Dough Mixer	10	-	-	-	-	-	-	-	-	-	-	0	17.2901	Baker
520.885-122	Feed Mixer	590	20	40	70	0	20	40	20	340	40	0	80	01.0202	Feeds
520.885	Pellet-Mill Operator	10	-	-	-	0	0	-	-	-	-	-	0	*	
520.885	Sausage Maker	10	-	-	-	0	0	-	-	-	-	-	0	*	
520.885	Stuffer	100	-	-	-	0	0	-	-	-	-	100	10	*	
520.886-026	Feed-Mixer Helper	190	-	-	-	40	0	-	-	40	20	20	20	01.0202	Feeds
521.130	Miller Supervisor	20	-	-	-	-	-	-	-	-	-	20	0	*	
521.885-122	Egg-Breaking-Machine Operator	630	-	-	-	630	750	-	-	-	-	-	750	01.0401	Food Products
521.885-134	Feed Grinder	50	-	-	10	0	0	30	10	-	-	10	0	01.0401	Food Products
521.885	Meat Grinder	100	-	-	-	-	-	-	-	-	-	100	0	*	
521.885	Monitor-and-Storage-Bin Tender	20	-	-	-	-	-	-	-	20	20	-	0	*	
521.885-302	Processor, Grain	860	60	60	200	40	100	90	0	170	20	240	170	01.0202	Feeds
521.886-026	Custom-Feed-Mill-Operator Helper	280	10	10	-	-	-	260	60	-	-	10	10	01.0202	Feeds
521.887	Sausage-Meat Trimmer	20	-	-	-	-	-	-	-	-	-	20	0	*	
522.782-010	Cottage-Cheese Maker	40	-	-	-	-	-	-	-	40	0	-	0	01.0401	Food Products
522.782-042	Smoker	10	-	-	-	-	-	-	-	-	-	-	0	01.0401	Food Products
522.884-014	Pickler	40	-	-	-	-	-	40	0	-	-	-	0	01.0401	Food Products
523.885-070	Dehydrator Man	150	-	-	-	70	70	10	0	-	-	70	170	01.0401	Food Products
523.885	Drier Attendant	130	-	-	20	0	-	70	20	-	-	40	40	*	
523.885	Render Worker	90	-	-	90	160	-	-	-	-	-	-	320	*	
524.381-010	Cake Decorator	20	-	-	-	-	-	-	-	-	-	20	0	17.2901	Baker
524.782	Dipper, Machine	20	-	-	-	-	0	-	-	-	-	-	0	*	
524.884-022	Icer, Hand	10	-	-	-	-	-	10	10	-	-	-	0	17.2901	Baker
525.381-010	Butcher, All-Around	2,730	970	360	30	0	120	490	430	120	10	1,000	1,480	01.0401	Food Products
525.884	Boner, Meat	20	-	-	10	0	-	10	0	-	-	-	0	*	
525.884	Sticker, Animal	30	10	0	20	0	-	-	-	-	-	-	0	*	
525.887	Cooler Worker	80	60	0	-	-	-	-	-	20	0	-	0	*	
525.887	Poultry Dresser	300	-	-	-	-	-	-	-	-	-	300	0	*	
525.887	Trimmer, Meat	10	10	0	-	-	-	-	-	-	-	-	0	*	
526.134	Cook, Mexican Food	10	10	0	-	-	-	-	-	-	-	-	0	*	
526.781-010	Baker	10	-	-	-	-	-	10	20	-	-	-	10	17.2901	Baker
526.782-030	Cook, Kettle	330	-	-	-	330	330	-	-	-	-	-	330	17.2999	Quantity Food Occu., Other
526.884	Donut Maker	20	-	-	-	-	-	-	-	-	-	20	10	*	
526.885-038	Oven Man	150	-	-	-	-	-	-	-	150	150	-	370	17.2901	Baker

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM		
D O I Number	Job Title	12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		Total State Projected 2 Year Need	H.E.W Number	Program
		Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need			
526.886-010	Baker Helper	-	-	-	-	-	-	10	10	-	-	10	0	0	17.2901	Baker
529.138-026	Supervisor, Grain Elevator	100	0	150	0	120	0	190	0	310	20	70	0	30	01.0202	Feeds
529.138-030	Supervisor, Specialty Food Products	40	0	-	-	10	0	-	-	10	0	-	-	0	01.0401	Food Products
529.381	Candy Maker	-	-	-	-	-	-	20	0	-	-	-	-	0	01.0401	Food Products
529.381-018	Cheese Maker	-	-	-	-	-	-	-	-	-	-	80	0	0	01.0401	Food Products
529.387-030	Grader	-	-	-	-	-	-	-	-	10	0	-	-	0	01.0401	Food Products
529.687-018	Egg Candler	-	-	-	-	330	350	-	-	-	-	-	-	350	01.0401	Food Products
529.687-054	Sorter, Agricultural Products	-	-	150	0	-	-	30	0	-	-	-	-	0	01.0401	Food Products
529.782-022	Cheese Maker, Helper	-	-	-	-	-	-	20	0	110	0	10	0	0	01.0401	Food Products
529.782-030	Dairy-Processing-Equipment Operator	-	-	-	-	50	10	-	-	50	0	40	0	10	01.0401	Food Products
529.885	Freezer-Man Helper	-	-	-	-	-	-	-	-	-	-	50	30	0	01.0401	Food Products
529.886-018	Dairy Helper	-	-	-	-	-	-	-	-	60	0	-	-	0	01.0401	Food Products
529.887	Cook Helper	-	-	-	-	-	-	-	-	510	20	-	-	40	01.0401	Food Products
	Subtotal	1,290	470	750	200	1,920	1,550	1,330	580	1,960	300	2,380	350	4,200		
<b>Processing of Paper &amp; Related Materials</b>																
539.885	Baler	-	-	-	-	-	-	20	10	-	-	250	0	10	*	
	Subtotal	-	-	-	-	-	-	20	10	-	-	250	0	10		
<b>Processing of Petroleum, Coal, Natural and Manufactured Gas, and Related Products</b>																
540.782	Blender	-	-	-	-	-	-	-	-	-	-	150	80	80	*	
	Subtotal	-	-	-	-	-	-	-	-	-	-	150	80	80		
<b>Processing of Chemicals, Plastics, Synthetics, Rubber, Paint, and Related Products</b>																
550.782	Mixer	-	-	-	-	-	-	-	-	40	0	-	-	20	*	
550.885	Compounder	-	-	-	-	-	-	30	10	-	-	-	-	10	*	
554.782	Coater	-	-	-	-	-	-	-	-	900	0	-	-	0	*	
556.885-102	Vacuum-Plastic-Forming-Machine Operator	-	-	-	-	-	-	-	-	-	-	150	0	10	17.27	Plastics Occupations
558.885	Chemical Operator II	-	-	-	-	-	-	-	-	-	-	320	0	0	*	
559.782	Chemical Operator III	-	-	-	-	-	-	-	-	100	0	480	0	0	*	
559.885	Presser (Rubber Goods)	-	-	-	-	-	-	170	40	-	-	-	-	80	*	
559.887	Laborer, Chemical Processing	-	-	-	-	-	-	-	-	-	-	190	0	10	*	
	Subtotal	-	-	-	-	-	-	200	50	1,040	0	1,140	0	130		



**INSTRUCTIONAL TRAINING PROGRAM**

OCCUPATIONAL GROUP	Total State Projected 2 Year Need	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H I W Number	Program
		12 Month Need	12 Month Need	12 Month Need	12 Month Need	12 Month Need	12 Month Need	12 Month Need	12 Month Need	12 Month Need	12 Month Need	12 Month Need				
<b>Processing of Stone, Clay, Glass, and Related Products</b>																
570.855 Concrete-Mixer Operator	130	-	30	0	30	20	10	0	0	0	0	0	0	0	*	
573.752 Kiln Burner	40	-	-	-	-	-	40	20	-	-	-	-	-	40	*	
574.782 Aastschuder-Machine Operator	20	-	-	-	-	20	0	-	-	-	-	-	-	0	*	
575.782 Brick-and-Tile-Making-Machine Operator	180	-	-	-	-	-	180	120	-	-	-	-	-	250	*	
579.131 Supervisor, Concrete-Block Plant	130	-	-	-	-	-	30	0	50	10	0	0	0	0	*	
579.137 Supervisor, Cement Laborer, Concrete Plant	20	-	10	0	-	-	10	0	-	-	-	-	-	0	*	
579.886 Laborer, General (Brick and Tile)	1,190	-	-	-	-	-	150	90	1,000	500	0	40	30	1,160	*	
870	870	-	-	-	-	-	-	870	420	-	-	-	-	710	*	
Subtotal	2,580	-	40	0	-	240	110	2,150	1,070	150	30	10	30	2,160		
<b>Processing of Leather, Textiles, and Related Products</b>																
582.782 Pickler	310	-	-	-	-	-	-	-	-	-	-	310	10	0	*	
589.885 Folding-Machine Operator	40	-	-	-	-	-	40	20	-	-	-	-	-	40	*	
Subtotal	350	-	-	-	-	-	40	20	-	-	-	310	10	40		
<b>Processing, Other</b>																
599.885 Mill Operator	190	-	-	-	-	100	100	-	-	-	-	90	0	100	*	
599.885 Sterilizer	20	-	20	0	-	-	-	-	-	-	-	-	-	0	*	
Subtotal	210	-	20	0	100	100	-	-	-	-	-	90	0	100		
<b>TOTAL PROCESSING OCCUPATIONS</b>	16,770	1,290	470	810	200	2,030	1,650	2,530	920	5,350	1,390	4,760	470	6,740		

\*No Vocational Instructional Training Program Listed

**TABLE 7  
MACHINE TRADES OCCUPATIONS**

OCCUPATIONAL GROUP D.O.I. Number Job Title	Total State Projected Employment		Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM H.E.W. Number Program
	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now		
<b>Metal Machining</b>																
600.131-010 Machine Shop Supervisor, Tool	90	10	0	30	0	0	0	30	-	-	-	-	20	0	0	17.2302 Machine Shop
600.280-030 Machinist I	3,070	40	10	270	40	-	-	-	-	1,590	680	1,170	640	2,670	17.2302 Machine Shop	
600.280-054 Maintenance-Machinist	1,150	-	-	-	-	-	40	-	-	-	-	1,110	540	50	17.2302 Machine Shop	
600.280-066 Patternmaker, Metal	120	-	-	-	-	-	-	-	-	-	-	120	0	0	17.2302 Machine Shop	
600.281-018 Machine Builder	120	-	-	-	-	-	-	-	-	-	-	120	0	10	17.2302 Machine Shop	
600.380-026 Machine Set-Up Operator	800	-	-	-	-	800	-	-	100	-	-	-	-	0	17.2302 Machine Shop	
600.381-010 Lay-Out Man	70	-	-	-	-	-	-	-	-	-	-	70	0	10	17.2302 Machine Shop	
601.130-010 Tool-and-Die Supervisor	40	-	-	-	-	-	-	-	-	10	0	30	0	0	17.2307 Tool-and-Die Making	
601.280-014 Die Maker, Die-Casting and Plastic Molding	30	-	-	-	-	-	-	-	-	-	-	30	0	0	17.2307 Tool-and-Die Making	
601.280-030 Die Sinker	320	-	-	-	-	-	-	-	-	-	-	320	170	350	17.2307 Tool-and-Die Making	
601.280-058 Tool Maker	60	-	-	-	-	-	-	-	-	-	-	60	0	0	17.2307 Tool-and-Die Making	
601.280-062 Tool-and-Die Maker	1,080	-	-	-	-	30	-	-	0	470	110	580	110	380	17.2307 Tool-and-Die Making	
601.280-066 Tool-and-Die Maker Apprentice	30	-	-	-	-	-	-	-	-	-	-	30	0	0	17.2307 Tool-and-Die Making	
601.280-070 Tool-Machine Set-Up Operator	10	-	-	-	-	-	-	-	-	-	-	10	0	0	17.2307 Tool-and-Die Making	
601.281-038 Inspector, Tool	29	-	-	-	-	-	-	-	-	-	-	20	0	0	17.2307 Tool-and-Die Making	
601.281-046 Tool Maker, Bench	10	-	-	-	-	-	-	-	-	-	-	10	0	0	17.2307 Tool-and-Die Making	
601.381-030 Plastic Tool Maker	170	-	-	-	-	-	-	-	-	170	50	-	-	100	17.2307 Tool-and-Die Making	
603.782-018 Buffing Machine Operator	40	-	-	-	-	-	-	-	-	-	-	40	0	0	17.2303 Machine Tool Operation	
603.782 Polishing-Machine Operator	170	-	-	-	-	-	-	-	-	-	-	170	0	0	*	
604.280-010 Engine-Lathe Set-Up Operator, Tool	60	-	-	-	-	-	-	-	-	-	-	60	10	0	17.2303 Machine Tool Operation	
605.782-034 Pantograph-Machine Set-Up Operator	50	-	-	-	-	-	-	-	-	-	-	50	0	0	17.2303 Machine Tool Operation	
605.885-034 Milling-Machine Operator, Production	30	-	-	-	-	-	-	-	-	-	-	30	0	0	17.2303 Machine Tool Operation	
606.782-018 Drill-Press Operator, Production	60	-	-	-	-	-	-	-	-	-	-	60	0	0	17.2303 Machine Tool Operation	
609.884 Laborer, General (Machine Shop)	400	-	-	-	-	-	-	-	-	400	10	-	-	10	*	
609.885-022 Production-Machine Operator	2,100	-	-	-	-	-	-	-	-	2,100	300	-	-	300	17.2302 Machine Shop	
609.885-026 Transfer-Machine Operator	180	-	-	-	-	-	-	-	-	-	-	-	-	160	17.2302 Machine Shop	
<b>Subtotal</b>	<b>10,280</b>	<b>50</b>	<b>10</b>	<b>480</b>	<b>120</b>	<b>80</b>	<b>70</b>	<b>50</b>	<b>100</b>	<b>4,740</b>	<b>1,150</b>	<b>4,110</b>	<b>1,470</b>	<b>3,840</b>		



**OCCUPATIONAL GROUP**

**INSTRUCTIONAL TRAINING PROGRAM**

D.O.I. Number	I.-B. Title	Total State Projected Employment		Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H I W Number	Program	
		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need				
																			Now
<b>Metalworking- Other</b>																			
610.381-010	Blacksmith	80	-	50	0	10	0	10	0	0	0	50	-	10	0	0	17.2399	Metalworking, Other	
610.782-010	Drop-Hammer Operator	10	-	10	0	-	-	-	-	-	-	-	-	-	-	0	17.2399	Metalworking, Other	
610.884-010	Blacksmith Helper	20	-	-	-	20	0	-	-	-	-	-	-	-	-	0	17.2399	Metalworking, Other	
612.131-010	Forge-Shop Supervisor	10	-	10	0	-	-	-	-	-	-	-	-	-	-	0	17.2399	Metalworking, Other	
615.782-038	Punch-Press Operator III	500	-	-	-	-	-	-	-	-	500	50	-	-	-	50	17.2303	Machine Tool Operation	
615.782-050	Shear Operator I	70	-	-	-	-	-	-	-	-	-	-	-	70	0	0	17.2303	Machine Tool Operation	
616.380-018	Machine Operator I	1,040	-	-	-	-	-	-	-	110	40	-	-	930	50	60	17.2304	Metal Trades, Combined	
616.380-026	Set-Up Man I	30	-	-	-	-	-	-	-	-	-	-	-	30	0	0	17.2304	Metal Trades, Combined	
616.380-030	Set-Up Man, Sheet Metal	240	-	-	-	-	-	10	0	-	200	50	-	30	0	0	17.2305	Sheet Metal	
617.380-010	Brake Operator I	120	-	-	-	-	-	-	-	-	-	-	-	120	10	10	17.2304	Metal Trades, Combined	
619.380-022	Metal Fabricator I	1,810	-	-	-	-	-	-	-	-	450	0	-	1,360	310	300	17.2304	Metal Trades, Combined	
619.380-038	Punch-Press Set-Up Worker	30	-	-	-	-	-	-	-	-	-	-	-	30	0	0	17.2303	Machine Tool Operation	
619.885-070	Machine Operator II	30	-	-	-	-	-	30	0	-	-	-	-	-	-	0	17.2304	Metal Trades, Combined	
	Subtotal	3,990	-	70	0	70	0	120	0	40	1,150	100	-	2,580	370	420			
<b>Mechanics and Machinery Repairers</b>																			
620.131	Garage Supervisor	20	0	-	-	-	-	-	-	-	-	-	-	-	-	0	*		
620.281-014	Automobile Mechanic	3,810	60	240	40	410	70	340	80	1,050	150	150	-	1,710	300	990	17.0302	Mechanics	
620.281-034	Brakeman, Automobile	30	-	-	-	-	-	-	-	-	-	-	-	30	0	0	17.0303	Specialization, Other	
620.281-038	Bus Inspector	20	-	-	-	-	-	-	-	20	0	0	-	-	-	0	17.03	Automotive Services	
620.281-046	Construction-Equipment Mechanic	210	-	-	-	-	-	-	-	-	-	-	-	210	20	0	17.1003	Operation, Heavy Equip.	
620.281-058	Engineering-Equipment Mechanic	130	-	50	30	10	40	20	0	-	-	-	50	0	0	0	17.1003	Operation, Heavy Equip.	
620.281-062	Front-End Repairer	90	-	40	10	-	10	0	0	40	30	30	-	-	-	70	17.0303	Specialization, Other	
620.281-070	Mechanic, Industrial Truck	1,550	80	40	-	-	-	210	40	150	30	30	-	1,110	130	340	17.1003	Operation, Heavy Equip.	
620.281-074	Mechanical-Maintenance Worker	20	-	-	-	-	-	20	10	-	-	-	-	-	-	0	17.1003	Operation, Heavy Equip.	
620.281-086	Motorcycle Repairer	70	-	-	-	-	-	40	0	30	20	20	-	-	-	40	17.31	Small Engine Repair, Internal Combustion	
620.281-094	Tractor Mechanic	160	-	-	-	30	10	10	0	120	40	40	-	-	-	40	01.0301	Agriculture Power and Machinery	
620.381-010	Automobile-Radiator Repairer	100	30	20	10	-	-	20	0	-	-	-	-	30	0	0	17.0303	Specialization, Other	
620.381-014	Automobile-Service Mechanic I	3,940	450	710	80	350	30	510	90	1,070	290	290	-	850	180	650	17.0302	Mechanics	
620.884-010	Automobile-Mechanic Helper	810	10	80	0	-	-	10	0	70	50	50	-	640	70	520	17.0302	Mechanics	





**OCCUPATIONAL GROUP**

**INSTRUCTIONAL TRAINING PROGRAM**

Code Name	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H.F.W. Number	Program
	12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need	New			
620.884-022 Construction-Equipment-Mechanic Helper	100	-	60	20	-	-	-	-	-	-	40	0	40	17.1003	Operation. Heavy Equip.
620.884-050 Tractor-Mechanic Helper	100	-	-	-	-	-	-	100	40	-	-	-	40	01.0301	Agriculture Power and Machinery
620.884 Wrecker	80	-	-	-	-	70	0	-	-	-	10	0	0	*	
621.281-010 Aircraft-and-Engine Mechanic	320	-	-	-	-	0	10	0	10	320	20	20	20	17.0401	Aircraft Maintenance
621.281-038 Light Engines	10	-	-	-	-	-	-	-	-	10	0	0	0	17.0402	Aircraft Operations
623.281-026 Machinist, Marine Engine	30	-	30	0	-	-	-	-	-	-	-	-	0	17.22	Maritime Occupations
624.281-010 Farm-Equipment Mechanic	1,990	180	270	40	170	0	690	160	150	620	60	20	310	01.0301	Agriculture Power and Machinery
624.381-010 Farm-Equipment Mechanic II	40	-	-	-	30	20	10	0	-	-	-	-	10	01.0301	Agriculture Power and Machinery
624.381-014 Farm-Machinery Set-Up Man	640	-	150	30	30	0	120	40	320	20	20	0	70	01.0301	Agriculture Power and Machinery
624.781-010 Assembly Repairer	40	-	-	-	-	-	40	10	-	-	-	-	0	01.0301	Agriculture Power and Machinery
625.281-010 Diesel Mechanic	240	50	20	-	40	10	0	20	140	10	10	0	80	17.12	Diesel Mechanics
625.281-034 Gasoline-Engine Repairer	150	-	30	0	-	-	-	80	20	20	40	20	70	17.31	Small Engine Repair. Internal Combustion Diesel Mechanics
625.884-010 Greaser Machine Repairer, Maintenance	0	0	20	-	-	-	-	-	-	-	-	-	0	*	
626.281 Press Maintenance	30	-	10	0	30	-	-	-	-	-	-	-	0	*	
629.281 Bakery-Machine Mechanic	10	-	10	0	-	-	-	-	-	-	-	-	0	*	
629.281 Carton-Forming-Machine Adjuster	10	-	-	-	-	-	-	-	-	-	-	-	0	*	
630.281 Pump Servicer	40	-	-	-	-	-	-	-	-	-	10	0	0	*	
632.281 Gunsmith	20	-	10	0	-	-	-	10	0	-	-	-	0	*	
633.281 Cash-Register Servicer	20	-	-	-	-	-	-	-	-	-	20	0	0	*	
633.281-030 Office-Machine Servicer	320	-	50	0	-	20	0	150	10	100	0	0	40	17.06	Business Machine Maint.
637.281-010 Air-Conditioning Mechanic, Commercial	30	-	-	-	-	-	-	20	10	10	10	0	10	17.01	Air Conditioning
637.281-014 Air-Conditioning Mechanic, Domestic	20	-	10	10	-	-	-	10	0	-	-	-	0	17.01	Air Conditioning
637.281-018 Gas Servicer	60	-	-	-	10	0	50	0	-	-	-	-	0	17.0202	Gas Appliances
637.281-022 Gas Appliance Servicer	600	70	0	30	0	60	10	-	110	10	330	60	150	17.0202	Gas Appliances



OCCUPATIONAL GROUP	D.O.I. Number	I.O. Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H.I.W. Number	Program
			12	Month	12	Month	12	Month	12	Month	12	Month	12	Month			
			Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need			
			950	1,820	270	1,180	230	2,340	490	4,390	940	6,020	870	3,600			
	637.281-034	Refrigeration Mechanic	60	-	-	-	-	-	-	10	0	50	30	0	17.0101	Cooling	
	637.381-014	Refrigeration-Unit Repairer	40	-	-	-	-	-	-	40	20	-	-	20	17.0101	Cooling	
	638.281-010	Automated-Equipment-Engineer Technician	10	-	-	-	-	-	-	10	0	-	-	0	16.0113	Mechanical Technology	
	638.281	Maintenance Mechanic	250	10	0	90	0	130	0	20	0	20	0	0	*	*	
	638.281	Salvager	80	-	-	-	50	30	-	-	-	30	0	0	*	*	
	638.884	Maintenance-Mechanic Helper	60	-	-	-	-	-	-	60	30	-	-	10	*	*	
	639.281	Sewing-Machine Repairer	30	-	-	-	-	-	-	20	0	10	0	0	*	*	
	639.381	Vending-Machine Servicer	250	-	-	10	10	-	10	0	0	230	20	60	*	*	
	639.884	Bicycle Repairer	10	-	-	-	10	0	-	-	-	-	0	0	*	*	
	639.884	Lawn Mower Repairer	40	-	-	-	-	-	-	-	-	30	0	0	*	*	
		Subtotal	16,700	950	1,820	270	1,180	230	2,340	490	4,390	940	6,020	870	3,600		
<b>Paperworking</b>																	
	640.782	Slitter-Scorer Cut-Off Operator	40	-	-	-	-	40	40	-	-	-	-	-	40	*	*
	643.885	Bindery Worker	1,250	-	-	-	-	-	1,120	140	140	130	30	210	*	*	
	649.130	Supervisor, Paper Products	200	-	-	-	-	160	0	20	0	20	0	0	*	*	
	649.687	Paper Sorter and Counter	30	-	-	-	-	-	30	0	-	-	-	0	*	*	
	649.885	Folding-Machine Operator	20	-	-	-	-	-	-	-	-	20	0	0	*	*	
		Subtotal	1,540	-	-	-	200	40	1,170	140	170	30	250				
<b>Printing</b>																	
	650.582-014	Linotype Operator	170	20	10	0	-	20	20	30	10	-	-	20	17.1901	Composition, Make-Up, & Typesetting	
	650.885-010	Typesetting-Machine Tender	20	20	0	-	-	-	-	-	-	-	-	0	17.1901	Composition, Make-Up, & Typesetting	
	651.130-010	Supervisor, Press Room	40	-	-	-	-	-	-	40	0	-	-	0	17.1902	Printing Press Occup.	
	651.782-042	Offset-Press Man	240	50	30	0	-	20	30	50	10	90	10	0	17.1902	Printing Press Occup.	
	651.782-062	Printer-Slotter Operator	30	-	-	-	-	-	-	-	-	30	0	0	17.1902	Printing Press Occup.	
	651.782-066	Printing-Press Operator	40	20	0	-	-	-	-	20	0	-	-	0	17.1902	Printing Press Occup.	
	651.782-094	Web-Press Operator	1,150	120	0	10	20	0	850	120	40	130	40	110	17.1902	Printing Press Occup.	
	651.885-014	Offset-Press Operator	280	-	30	0	-	-	-	-	-	250	80	270	17.1902	Printing Press Occup.	
	652.782	Box Printer	320	-	-	-	-	280	10	-	-	40	0	20	*	*	



OCCUPATIONAL GROUP			Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM		
D.O.T. Number	Job Title	Total State Projected Employment	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Total State Projected 2 Year Need	H.T.W. Number	Program
652.885	Ticker	30	-	-	-	-	-	-	-	-	30	20	-	-	40	*	
653.131-010	Supervisor, Bindery	20	20	0	-	-	-	-	-	-	-	-	-	-	20	17.1906	Bookbinding
653.780-010	Casing-In-Line Set-Up Operator	30	-	0	20	0	-	10	0	-	-	-	-	-	0	17.1906	Bookbinding
653.782-014	Folding-Machine Operator	170	-	-	-	-	-	-	-	-	-	-	170	50	130	17.1906	Bookbinding
653.886-014	Folding-Machine Feeder	20	-	-	-	-	-	-	-	20	0	-	-	-	0	17.1906	Bookbinding
653.130-010	Supervisor, Printing-Shop	50	-	-	-	-	-	-	10	0	10	0	40	0	0	17.19	Graphic Arts Occupations
659.782-034	Sign Writer, Machine	10	-	-	-	-	-	-	-	-	-	-	10	0	0	17.1999	Graphic Arts, Other
659.885-014	Perforating-Machine Operator	10	-	-	-	-	10	0	-	-	-	-	-	-	0	17.1906	Bookbinding
	Subtotal	2,630	340	20	110	10	30	0	340	60	1,050	160	760	180	610		
<b>Wood Machining</b>																	
660.131-010	Cabinetmaker, Supervisor	20	10	0	-	-	-	-	-	-	10	0	-	-	0	17.3601	Millwork & Cabinetmaking
660.280-010	Cabinetmaker	260	70	20	-	-	-	-	-	120	60	60	70	20	60	17.3601	Millwork & Cabinetmaking
660.280-014	Cabinetmaker Apprentice	30	-	-	-	-	-	-	-	-	-	30	30	0	10	17.3601	Millwork & Cabinetmaking
665.782-046	Router Operator	60	-	-	40	20	-	-	-	20	0	-	-	-	20	17.3601	Millwork & Cabinetmaking
666.782	Driller and Plugger (Sports Equip.)	20	-	-	-	-	10	0	-	-	-	-	-	-	0	*	
667.782-070	Jigsaw Operator	60	-	-	-	-	-	-	-	40	0	0	20	20	30	17.3601	Millwork & Cabinetmaking
667.782-114	Sawmill Worker	30	-	-	-	-	-	-	-	-	-	-	30	0	0	17.3699	Woodworking, Other
667.885-014	Band-Saw Operator	30	-	-	-	-	-	-	-	30	0	0	-	-	0	17.3601	Millwork & Cabinetmaking
669.380-010	Millman	490	300	40	-	-	-	-	-	10	0	0	180	0	0	17.3601	Millwork & Cabinetmaking
669.782	Box-Blank-Machine Operator	60	-	-	-	-	-	-	-	-	-	-	60	10	20	*	
669.782-074	Woodworking-Machine Operator	160	-	-	-	-	-	-	-	-	-	-	160	20	70	17.3601	Millwork & Cabinetmaking
	Subtotal	1,220	380	60	50	20	10	0	-	230	60	210	550	70			
<b>Textile Occupations</b>																	
681.885-050	Quilling-Machine Operator	70	-	-	-	-	-	-	70	10	-	-	-	-	100	17.3399	Textile Production and Fabrication, Other
683.130-014	Loom Fixer Overseer	60	-	-	-	-	-	-	60	50	-	-	-	-	20	17.3399	Textile Production and Fabrication, Other
683.280-018	Loom Fixer	80	-	-	-	-	-	30	80	30	-	-	-	-	60	17.3399	Textile Production and Fabrication, Other
683.380-010	Harness Builder	10	-	-	-	-	-	0	10	0	-	-	-	0	0	17.3399	Textile Production and Fabrication, Other
683.684-014	Weaving Inspector	70	-	-	-	-	-	20	70	20	-	-	-	-	50	17.3399	Textile Production and Fabrication, Other

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM	
D.O.I. Number	Job Title	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Total State Projected 2 Year Need	H.F.W. Number Program
683.885	Smash Hand	-	-	-	-	-	-	60	20	-	-	-	-	30	•
683.885-038	Twister-In	-	-	-	-	-	-	10	0	-	-	-	-	0	17.3399
689.885	Loom-Winder Tender	-	-	-	-	-	-	160	60	-	-	-	-	100	•
689.885	Quiller Operator	-	-	-	-	-	-	110	80	-	-	-	-	160	•
689.886	Utility-Man, Woolen Mill	-	-	-	-	-	-	30	20	-	-	-	-	40	•
	Subtotal	-	-	-	-	-	-	660	290	-	-	-	-	560	
	Machine Trades, Other														
690.885	Cutting-Machine Tender	-	-	-	-	-	-	-	-	90	20	-	-	20	•
692.885	Loading-Machine Operator I	-	-	-	-	-	-	40	0	-	-	-	-	20	•
692.885	Stapling-Machine Operator	-	-	-	-	-	-	-	-	10	10	-	-	10	•
699.782	Cutter Operator	-	-	-	-	-	-	-	-	120	50	60	10	100	•
	Subtotal	-	-	-	-	-	-	40	0	220	80	60	10	150	•
	TOTAL MACHINE TRADES OCCUPATIONS	37,340	1,720	280	2,530	420	1,360	280	4,530	1,020	12,950	2,630	14,250	9,640	

\*No Vocational Instructional Training Program Listed

TABLE 8  
BENCH WORK OCCUPATIONS

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM	
D.O.I. Number	Job Title	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Total State Projected 2 Year Need	H.F.W. Number Program
	Fabrication, Assembly & Repair of Metal Products														
700.281	Jeweler	-	-	20	0	20	0	30	0	120	0	70	0	0	•
704.381-026	Engraver, Decorative	-	-	-	-	-	-	-	-	-	-	10	0	0	17.2399
705.887-014	Laborer, Grinding & Polishing	-	-	-	-	-	-	-	-	-	-	20	0	0	•
706.884	Assembler, Product	-	-	-	-	150	0	-	-	2,370	110	1,060	550	1,190	17.2399
709.281	Locksmith	-	-	-	-	-	-	-	-	-	20	-	-	0	•
	Subtotal	-	-	20	0	170	0	30	0	2,510	110	1,160	550	1,190	

OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM														
D.O.T. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H.F.W. Number	Program
		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need			
<b>Fabrication &amp; Repair of Scientific &amp; Medical Apparatus, Photographic and Optical Goods, Watches and Clocks, and Related Products</b>																
710.281-058	Instrument Repairer	-	-	60	0	20	0	-	-	-	-	-	-	0	17.2101	Instruments Other than Watches and Clocks
711.138-010	Supervisor, Optical Instruments	-	-	-	-	-	-	-	-	-	-	20	0	0	17.2101	Instruments Other than Watches and Clocks
711.381	Optician, Contact Lens Dispensing	-	10	-	-	-	-	-	-	-	-	-	-	0	*	
711.381-010	Benchman II	-	-	-	40	10	-	-	-	-	-	120	30	0	17.2101	Instruments Other than Watches and Clocks
711.384-010	Lens Inspector II	-	-	-	-	-	-	-	-	-	-	120	30	0	17.2101	Instruments Other than Watches and Clocks
711.781-018	Lens Grinder	-	-	-	-	-	-	-	-	-	-	120	30	0	17.2101	Instruments Other than Watches and Clocks
712.281-010	Dental Ceramist	-	-	-	-	-	-	-	10	0	-	-	-	0	07.0103	Dental Lab. Technology
712.281-018	Orthopedic-Apppliance-and-Limb Technician	-	-	-	-	-	-	-	-	-	-	-	-	0	07.0404	Orthotics
712.381-014	Dental Laboratory Technician	-	20	-	20	10	40	10	40	10	30	30	0	0	07.0103	Dental Lab. Technology
712.781	Leather Worker	-	-	-	-	-	-	-	-	-	-	30	0	0	*	
713.251-010	Optical Dispensing	-	10	-	10	0	30	0	30	0	40	40	0	0	07.0601	Ophthalmic Dispensing
713.884-066	Mounter and Repairer	-	-	-	-	-	-	-	-	-	-	80	10	30	07.0601	Ophthalmic Dispensing
714.281-014	Camera Repairer	-	10	-	40	0	-	-	-	-	-	-	-	0	17.2101	Instruments Other than Watches and Clocks
715.281-030	Watchmaker	-	40	10	10	0	30	10	30	10	20	20	0	0	17.2102	Watchmaking and Repair
	Subtotal	-	90	10	60	0	140	20	110	20	630	100	30			
<b>Assembly and Repair of Electrical Equipment</b>																
720.281-018	Television-Service-and-Repairer	-	40	10	10	140	10	140	30	170	170	20	40	17.1503	Radio and Television	
720.281-022	Television-Service-and-Repairer Apprentice	-	-	-	-	-	-	-	-	-	10	0	0	0	17.1503	Radio and Television
720.884	Photographic-Cartridge Assembler	-	-	-	-	-	-	-	-	-	-	50	0	0	*	
721.281-022	Electric-Motor Repairer	20	0	30	0	20	10	-	-	-	-	-	10	10	17.1403	Motor Repairers
721.281-026	Electric-Motor Repairer (elec. eq.)	-	-	-	-	-	-	-	-	-	-	-	0	0	17.1403	Motor Repairers
723.381-018	Vacuum-Cleaner Repairer	-	-	-	-	-	-	-	-	-	-	50	0	0	17.1403	Motor Repairers
723.884-010	Appliance Repairer	-	-	-	-	-	-	10	10	0	10	0	0	0	17.0201	Electrical Appliances
724.781-022	Coil Winder I	-	30	10	40	0	30	0	30	0	-	-	20	20	17.0201	Electrical Appliances
		-	50	10	-	-	-	-	-	-	-	-	20	20	17.1403	Motor Repairers



OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM														
D.O.I. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H.F.W. Number	Program
		Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need			
724.884	Laminator	-	40	-	-	-	-	-	-	-	-	-	-	20	*	
726.781-010	Electronics Assembler	130	80	-	20	-	-	-	-	-	-	-	-	70	17.15	Electronics Occupations
729.281-034	Electromedical-Equipment Repairer	-	-	-	-	-	-	-	-	-	-	-	-	0	16.9108	Electronic Technology
729.381-026	Street-Light Repairer I	-	-	-	-	-	-	-	-	-	-	-	-	0	17.1401	Industrial Electricians
	Subtotal	150	270	80	10	160	30	180	30	220	20	220				
<b>Fabrication &amp; Repair of Products made from Assorted Materials</b>																
730.281	Musical-Instrument Repairer	60	10	0	0	40	10	30	0	-	-	-	-	10	*	
732.381	Golf Club Repairer	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
732.884	Roller-Skate Repairer	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
735.984	Trophy Assembler	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
737.887	Laborer, Ammunition Assembly	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
739.381-010	Canvas Worker	-	-	-	-	40	20	-	-	-	-	-	-	500	*	
739.781-010	Casket Assembler	-	-	-	-	-	-	-	-	-	-	-	-	40	17.3399	Textile Production and Fabrication, Other
739.884	Broommaker	-	-	-	-	-	-	-	-	-	-	-	-	0	17.3601	Millwork & Cabinetmaking
739.884-130	Last Remodeler	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
739.887	Assembler, Small Products	-	300	50	50	250	0	-	-	-	-	-	-	150	*	
739.887	Gluer	-	-	-	-	-	-	-	-	-	-	-	-	30	*	
	Subtotal	60	310	50	290	90	130	250	40	610	250	730				
<b>Painting, Decorating and Related</b>																
741.884	Painter, Spray	50	20	10	20	70	20	-	-	-	-	-	-	220	*	
	Subtotal	50	40	20	70	70	20	-	-	-	-	-	-	220	*	
<b>Fabrication &amp; Repair of Plastics, Synthetics, Rubber and Related Products</b>																
752.781	Hose Maker (Rubber)	90	-	-	-	-	-	-	-	-	-	-	-	40	*	
754.381	Fabricator, Plastics	-	-	-	-	-	-	-	-	-	-	-	-	70	*	
	Subtotal	90	-	-	-	-	-	-	-	-	-	-	-	110		
<b>Fabrication &amp; Repair of Wood Products</b>																
761.887	Picture-Frame-Maker Helper	-	-	-	-	-	-	-	-	-	-	-	-	0	*	
763.381	Furniture Finisher	60	-	-	-	-	-	-	-	-	-	-	-	40	*	
763.884-034	Furniture Assembler	-	-	-	-	-	-	-	-	-	-	-	-	50	17.3601	Millwork & Cabinetmaking



OCCUPATIONAL GROUP			Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM			
DOT Number	Job Title	Total State Projected Employment	12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		Total State Projected 2 Year Need	H.E.W. Number	Program	
			Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need				
763.884	Laminator, Hand	90	-	-	-	-	-	-	-	-	-	-	90	30	20	*		
769.884-022	Repairer, Assembled Wood Products	10	-	10	-	-	-	-	-	-	-	-	-	-	50	17.3601	Millwork & Cabinetmaking	
769.887	Wood-Shop Hand	20	-	-	-	-	-	-	-	-	-	-	20	60	110	*		
	Subtotal	370	-	10	-	-	-	-	-	-	-	-	360	130	270			
<b>Fabrication &amp; Repair of Sand, Stone, Clay and Glass Products</b>																		
771.381	Monument Stone Cutter	90	-	-	-	30	40	-	-	-	20	0	40	0	0	*		
774.884	Dipper (Pottery & Porcelain)	20	-	-	-	-	-	-	-	-	-	-	20	20	20	*		
	Subtotal	110	-	-	-	30	40	-	-	-	20	0	60	20	20			
<b>Fabrication &amp; Repair of Textiles, Leather, and Related Products</b>																		
780.137-014	Supervisor, Upholstery Dept.	50	-	-	-	-	-	-	-	-	-	-	-	50	0	0	17.35	Upholstery
780.381-018	Furniture Upholsterer	400	-	50	0	10	0	-	-	40	20	40	300	40	120	17.35	Upholstery	
780.587-010	Sorter, Upholstery Parts	350	-	-	-	-	-	-	-	-	-	-	350	100	140	17.35	Upholstery	
780.884	Upholsterer II	730	-	20	0	-	-	-	-	-	-	-	710	400	800	*		
780.884-078	Mattress Maker	30	30	-	-	-	-	-	-	-	-	-	-	-	0	17.34	Leatherworking	
781.687-010	Assembler	20	-	-	-	-	-	-	-	20	10	10	-	-	0	17.3399	Textile Production and Fabrication, Other	
781.884-122	Cutter, Hand II	10	-	-	-	-	-	-	-	10	10	10	-	-	0	17.3399	Textile Production and Fabrication, Other	
781.887-014	Cutter, Hand I	20	-	-	-	-	-	-	20	0	-	-	-	-	0	17.3399	Textile Production and Fabrication, Other	
781.887-022	Cutter Helper	20	-	-	-	-	-	-	-	-	20	20	-	-	0	17.3399	Textile Production and Fabrication, Other	
781.887-078	Trimmer, Hand	60	-	-	-	-	-	-	60	30	-	-	-	-	30	17.3399	Textile Production and Fabrication, Other	
782.781-026	Weaver, Hand	30	-	-	-	-	-	-	-	-	-	-	30	0	0	17.3399	Textile Production and Fabrication, Other	
782.884-078	Seamstress	60	-	10	0	-	-	-	50	0	-	-	-	-	0	17.16	Fabric Maintenance Serv.	
785.261-010	Master Tailor	30	-	-	-	-	-	-	-	-	-	-	30	0	0	17.3302	Tailoring	
785.281-010	Alteration Tailor	230	20	100	0	10	0	-	-	90	20	20	10	0	50	17.3302	Tailoring	
785.381-022	Seamstress, Linen Room	10	-	-	-	10	0	-	-	-	-	-	-	-	0	09.0202	Clothing, Management, Production and Services	
785.381-026	Seamstress, Women's Garments, Alterations	70	-	-	-	10	0	-	-	10	10	10	50	0	0	17.3301	Dressmaking	
785.381-030	Shop Tailor	40	-	10	0	-	-	-	-	20	0	0	10	0	0	17.3302	Tailoring	

OCCUPATIONAL GROUP		Total State Projected Employment	Area I	Area II	Area III	Area IV	Area V	Area VI	Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM
D.O.T. Number	Job Title		12 Month Need	12 Month Need	12 Month Need	12 Month Need	12 Month Need	Now	12 Month Need	H.F.W. Number
786.782-090	Sewing-Machine Operator, Regular Equip. (garment)	80	-	-	-	-	-	-	10	17.3399 Textile Production and Fabrication, Other
786.782-098	Shearing-Machine Operator	30	-	-	-	-	-	-	10	17.3399 Textile Production and Fabrication, Other
787.782-086	Drapery Operator	140	-	30	-	110	30	-	30	09.0204 Home Furnishings, Equip. & Services
787.782-286	Sewing-Machine Operator	40	-	-	-	-	-	-	60	17.3399 Textile Production and Fabrication, Other
787.782-294	Sewing-Machine Operator, Regular Equip.	1,010	-	-	-	60	210	350	130	17.3399 Textile Production and Fabrication, Other
789.687	Finisher	20	-	-	20	-	-	-	0	•
789.884-054	Leatherworker	20	-	-	-	20	0	-	0	17.34 Leatherworking
	Subtotal	3,500	50	220	40	250	330	2,000	1,370	
	Bench Work, Other									
794.884	Box Maker, Paperboard	1,400	-	-	-	880	140	-	260	•
	Subtotal	1,400	-	-	-	880	140	520	620	
	TOTAL BENCH WORK OCCUPATIONS	13,510	400	940	620	340	3,890	6,040	4,780	

\*No Vocational Instructional Training Program Listed.

TABLE 9  
STRUCTURAL WORK OCCUPATIONS

OCCUPATIONAL GROUP		Total State Projected Employment	Area I	Area II	Area III	Area IV	Area V	Area VI	Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM
D.O.T. Number	Job Title		12 Month Need	12 Month Need	12 Month Need	12 Month Need	12 Month Need	Now	12 Month Need	H.F.W. Number
	Metal Fabrication, Other									
801.781-010	Structural-Steel Worker	430	-	-	-	50	0	190	20	17.1099 Const. & Maintenance Trades, Other
801.884-010	Assembler	450	-	-	-	50	20	400	10	17.1099 Const. & Maintenance Trades, Other

OCCUPATIONAL GROUP	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	HEW Number	Program
		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need				
		Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need			
801.884-014 Assembler, Metal Building	140	-	60	0	-	-	-	-	80	30	-	-	-	30	17.1099	Const. & Maintenance Trades, Other
801.887-026 Structural-Steel-Worker Helper	20	-	-	-	-	-	-	-	-	-	-	20	0	0	17.1099	Const. & Maintenance Trades, Other
804.281-010 Sheet-Metal Worker	3,510	20	120	70	350	0	290	20	290	20	2,710	80	150	150	17.2305	Sheet Metal
804.886-010 Metal-Fabricating-Shop Apprentice	40	-	-	-	-	-	10	0	10	0	30	0	10	10	17.2305	Sheet Metal
805.131-010 Boiler Repair, Supervisor	2,750	-	-	-	-	-	750	1,350	2,000	0	2,000	0	2,700	2,700	17.2304	Metal Trades, Combined
805.281-010 Boilermaker I	20	-	-	-	-	-	20	0	20	0	-	-	0	0	17.1099	Const. & Maintenance Trades, Other
805.381-010 Boilerhouse Repairer	350	-	-	-	-	-	350	150	-	150	-	-	150	150	17.1099	Const. & Maintenance Trades, Other
806.381-018 Assembly Mechanic, Experimental Aircraft	10	-	-	-	-	-	10	20	-	20	-	-	20	20	17.1099	Const. & Maintenance Trades, Other
806.381-034 New-Car-Get-Ready Man	80	-	-	-	-	-	-	-	80	-	80	40	60	60	17.0401	Aircraft Maintenance
806.884 Truck-Assembly-Mechanic Helper	120	30	20	50	10	10	50	0	50	0	-	-	150	150	17.03	Automotive Services
806.884-078 Mobile-Home Installer	60	60	90	-	-	-	-	-	-	-	-	-	300	300	*	
807.281 Truck-Body Builder	400	-	-	-	400	200	-	-	-	-	-	-	200	200	17.3601	Millwork & Cabinetmaking
807.381-010 Automobile-Body Repairer	110	110	140	-	-	-	-	-	-	-	-	-	520	520	*	
807.381-026 Inspector, Fabrication	1,860	140	370	40	70	10	470	170	720	170	10	80	520	520	17.0301	Body and Fender
809.130 Supervisor, Metal Fabricating	10	-	-	-	-	-	-	-	10	-	10	0	0	0	17.0401	Aircraft Maintenance
Subtotal	200	360	300	570	120	30	930	300	2,220	1,770	200	230	2,910	2,910	*	
Welders, Flame Cutters, and Related	10,560	220	240	450	80	10	750	180	1,000	110	2,950	580	1,470	1,470		
810.782-022 Welder, Spot I	20	-	20	10	-	-	-	-	-	-	-	-	10	10	17.2306	Welding and Cutting
810.884-018 Welder, Arc	1,810	220	320	10	150	0	150	20	890	20	890	240	1,020	1,020	17.2306	Welding and Cutting
812.884-014 Welder, Combination	2,680	-	10	0	590	170	20	20	2,060	0	2,060	340	270	270	17.2306	Welding and Cutting
812.884-018 Welder, Production Line	830	-	-	-	10	10	820	90	-	90	-	-	170	170	17.2306	Welding and Cutting
812.884-022 Welder, Repair	100	-	100	0	-	-	-	-	-	-	-	-	0	0	17.2306	Welding and Cutting
819.381-022 Welder-Fitter	10	-	-	-	-	-	10	0	-	0	-	-	0	0	17.2306	Welding and Cutting
Subtotal	5,450	220	240	450	80	10	750	180	1,000	110	2,950	580	1,470	1,470		

**OCCUPATIONAL GROUP**

**INSTRUCTIONAL TRAINING PROGRAM**

Total State Program	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Program	
	New	12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need		
740	-	-	30	0	140	0	140	70	10	0	420	250	20	17.1402 Line Installers
270	-	-	100	20	120	20	50	0	-	-	-	-	50	17.1402 Line Installers
10	-	-	-	-	-	-	10	0	-	-	-	-	0	17.1402 Line Installers
10	-	-	-	-	-	-	-	-	10	0	-	-	0	*
70	-	-	-	-	-	-	-	-	40	0	30	0	0	17.1501 Communications
10	-	-	10	0	-	-	-	-	-	-	-	-	0	17.1501 Communications
40	-	-	-	-	-	-	40	0	-	-	-	-	0	17.1501 Communications
70	-	-	30	0	-	-	-	-	40	0	-	-	10	17.1501 Communications
10	-	-	10	0	-	-	-	-	-	-	-	-	0	17.1402 Line Installers
70	40	0	30	0	-	-	-	-	-	-	-	-	0	17.1501 Communications
30	-	-	-	-	-	-	-	-	30	0	-	-	0	17.1501 Communications
100	100	10	-	-	-	-	-	-	-	-	-	-	10	17.1402 Line Installers
40	-	-	40	0	-	-	-	-	-	-	-	-	20	17.1501 Communications
30	-	-	-	-	-	-	-	-	30	0	-	-	0	*
150	-	-	-	-	-	-	-	-	-	-	150	0	0	*
2,310	30	30	260	10	40	30	210	40	240	30	1,590	150	130	17.1002 Electricity
100	-	-	-	-	-	-	-	-	-	-	100	0	0	17.1002 Electricity
60	-	-	-	-	-	-	-	60	10	-	-	-	0	17.1002 Electricity
10	-	-	-	-	-	-	-	-	-	-	10	0	0	17.0401 Aircraft Maintenance
10	10	10	-	-	-	-	-	-	-	-	-	-	0	17.0303 Specialization, Other
20	-	-	-	-	-	-	-	-	-	-	20	0	0	17.0401 Aircraft Maintenance
230	50	20	40	10	-	-	20	0	90	20	30	0	20	17.0201 Electrical Appliances
240	-	-	70	0	-	-	70	30	60	10	40	10	50	17.02 Appliance Repair
10	-	-	10	0	-	-	-	-	-	-	-	-	0	17.02 Appliance Repair
20	20	20	-	-	-	-	-	-	-	-	-	-	10	17.0101 Cooling
230	-	-	30	0	-	-	40	10	-	-	160	20	60	17.0101 Cooling
30	-	-	30	10	-	-	-	-	-	-	-	-	10	*
60	10	10	-	-	-	-	-	-	20	0	30	0	10	16.0108 Electronic Technology
5,080	-	-	-	-	-	-	20	10	-	-	5,060	610	0	17.14 Electrical Occupations
100	-	-	30	0	20	0	30	0	-	-	20	0	0	17.1401 Industrial Electricians

**Electrical Assembling, Installing, and Repair**

- 821 281-010 Line Installer
- 821 381-042 Line Installer, Repair
- 821 387-010 Construction Checker
- 822 131 Central-Office-Repairer Supervisor
- 822 281-014 Central-Office Repairer
- 822 281-018 Combination Man
- 822 281-022 Communication Engineer
- 822 281-050 Private-Branch-Exchange Repairer
- 822 287-010 Line Inspector
- 822 381-010 Cable Repairer
- 822 381 018 Central-Office Installer
- 822 381-026 Line Installer (tel. & tel.)
- 822 381-034 Private-Branch-Exchange Installer
- 822 884 Cable Worker
- 823 281 Public-Address Servicer
- 824 281-014 Electrician
- 824 281-022 Neon-Sign Servicer
- 824 381-014 Street-Light Servicer
- 825 281-026 Electrician, Airplane
- 825 281-030 Electrician, Automotive
- 825 381-026 Electrical Inspector
- 827 281-014 Electrical Appliance Servicer
- 827 281-022 Household-Appliance Repairer
- 827 381-018 Household-Appliance Installer
- 827 381-022 Refrigeration Mechanic
- 827 884-014 Air-Conditioning Installer, Domestic
- 827 884 Assembler, Electronics
- 828 281-022 Electronics Mechanic
- 829 281-022 Electrical Repairer
- 829 281-038 Pinsetter, Mechanic, Automatic



**OCCUPATIONAL GROUP**

**INSTRUCTIONAL TRAINING PROGRAM**

D.O.I. Number	Job Title	Total State Projected Employment	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	HF W Number	Program
			Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need			
829.381-010	Cable Splicer	1,350	-	-	-	-	-	-	-	-	-	-	-	-	0	17.1402	Line Installers
829.887-014	Electrician Helper	210	20	0	60	0	10	0	-	-	60	-	-	10	20	17.1002	Electricity
	Subtotal	11,720	280	100	720	50	330	50	690	170	680	120	9,020	1,530	420		
<b>Painting, Plastering, Waterproofing, Cementing, and Related</b>																	
840.781-010	Painter	670	30	10	40	0	60	0	100	60	140	50	300	130	230	17.1005	Painting and Decorating
840.887-010	Drywall Sander	110	-	-	-	-	-	-	-	-	-	-	110	20	40	17.1008	Drywall Installation
840.887-014	Paint-Stripping-Machine Operator	30	-	-	-	-	-	-	-	-	-	-	30	0	0	17.1005	Painting and Decorating
841.781-010	Painter and Decorator Apprentice	0	-	-	-	-	-	-	-	0	20	-	-	-	0	17.1005	Painting and Decorating
842.781-010	Lather	10	-	-	-	-	-	-	-	-	-	-	10	0	0	17.1006	Plastering
842.781-018	Plasterer	140	-	-	-	-	-	-	-	70	0	0	70	0	0	17.1006	Plastering
842.781-026	Plasterer, Molding	80	-	-	50	0	-	-	-	10	0	0	20	0	0	17.1006	Plastering
842.884-010	Drywall Applicator	40	-	-	30	10	-	-	-	-	-	-	10	0	20	17.1008	Drywall Installation
842.884-022	Taper	640	-	-	260	60	-	-	-	-	-	-	380	40	160	17.1008	Drywall Installation
843.884-022	Waterproof	30	-	-	-	-	-	-	-	10	30	-	20	0	0	17.1005	Painting and Decorating
843.887	Waterproof Helper	30	-	-	-	-	-	-	-	-	-	-	30	10	0	*	
844.781-010	Concrete-Stone Finisher	20	-	-	-	-	-	-	-	-	-	-	20	0	0	17.1099	Const. and Maintenance Trades, Other
844.884-014	Cement Mason	1,610	90	40	30	20	60	20	60	0	170	20	1,200	60	120	17.1099	Const. and Maintenance Trades, Other
844.884-018	Cement Mason, Maintenance	40	-	-	-	-	40	10	-	-	-	-	-	-	10	17.1099	Const. and Maintenance Trades, Other
844.887-014	Cement Mason, Helper	1,700	110	60	30	20	20	0	30	0	430	150	1,080	490	390	17.1099	Const. and Maintenance Trades, Other
845.781-018	Painter, Automobile	160	10	0	20	0	-	-	10	0	-	-	120	0	20	17.0301	Body and Fender
849.138	Dispatcher, Ready-Mix Plant	20	-	-	-	-	-	-	-	-	-	-	20	0	0	*	
	Subtotal	5,330	240	110	460	110	180	30	200	60	830	270	3,420	750	990		
<b>Excavating, Grading, Paving &amp; Related</b>																	
850.137	Labor-Gang Supervisor	40	-	-	-	-	-	-	20	0	-	-	20	0	0	*	
850.883-010	Bulldozer Operator	880	60	0	90	60	50	0	330	50	220	430	130	270	940	17.1003	Operation, Heavy Equip.
850.883-018	Dredge Operator	200	-	-	-	-	30	0	70	110	100	50	-	-	20	17.1003	Operation, Heavy Equip.
850.883-030	Power-Shovel Operator	30	-	-	-	-	-	-	10	0	-	-	20	0	0	17.1003	Operation, Heavy Equip.
850.883-038	Scaper Operator	30	-	-	-	-	-	-	-	-	10	-	-	-	0	17.1003	Operation, Heavy Equip.
850.883-054	Trench-Digging-Machine Operator	50	-	-	-	-	10	0	-	-	0	0	30	0	10	17.1003	Operation, Heavy Equip.

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM		
D O I Number	Job Title	Total State Projected Employment		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		Total State Projected 2 Year Need	H I W Number	Program
		Now	12	Now	12	Now	12	Now	12	Now	12	Now	12			
850.887	Laborer, Road	-	-	340	100	590	0	100	150	10	0	80	40	280	*	17.1003 Operation, Heavy Equip.
851.883-010	Blade-Grader Operator	-	-	430	0	170	0	670	210	20	10	50	0	180	*	17.1003 Operation, Heavy Equip.
851.883-014	Elevating-Grader Operator	-	-	-	-	-	-	-	-	10	0	-	-	0	*	17.1003 Operation, Heavy Equip.
851.883-018	Motor-Grader Operator	-	-	-	-	-	-	110	0	-	-	260	30	80	*	17.1003 Operation, Heavy Equip.
851.884-022	Pipe Layer	-	-	70	20	-	-	-	-	-	-	40	40	80	*	17.1007 Plumbing & Pipefitting
852.884-014	Concrete-Paving-Machine-Operator Helper	-	-	-	-	-	-	-	-	-	-	90	40	40	*	17.1003 Operation, Heavy Equip.
853.782-014	Asphalt-Plant Operator	-	-	-	-	-	-	-	-	10	0	-	-	0	*	17.1003 Operation, Heavy Equip.
853.883-010	Asphalt-Paving-Machine Operator	-	-	-	-	-	-	-	-	10	0	-	-	0	*	17.1003 Operation, Heavy Equip.
853.884-010	Asphalt Raker	-	-	-	-	-	-	60	0	10	0	20	0	0	*	17.1003 Operation, Heavy Equip.
859.131	Grading Supervisor	-	-	-	-	-	-	120	0	80	20	20	0	20	*	17.1003 Operation, Heavy Equip.
859.782-030	Well-Drill Operator, Cable Tool	30	0	-	-	-	-	-	-	20	0	-	-	0	*	17.1003 Operation, Heavy Equip.
859.782-034	Well-Drill Operator, Rotary Drill	-	-	60	0	270	60	190	110	70	20	50	0	40	*	17.1003 Operation, Heavy Equip.
859.883-018	Dragline Operator	-	-	-	-	-	-	30	0	20	0	-	-	20	*	17.1003 Operation, Heavy Equip.
859.883-030	Operating Engineer	-	-	-	-	-	-	-	-	-	-	20	0	0	*	17.1003 Operation, Heavy Equip.
859.884	Well-Drill-Operator Helper, Cable Tool	-	-	-	-	-	-	20	0	-	-	-	-	0	*	17.1003 Operation, Heavy Equip.
859.884-010	Bricklayer, Paving Brick	-	-	-	-	50	0	-	-	-	-	-	-	20	*	17.1004 Masonry
	Subtotal	90	0	990	180	1,170	60	1,730	630	610	540	990	440	1,750		
Construction, Other		180	20	30	0	30	0	10	0	50	0	40	0	10		17.1001 Carpentry
860.131-018	Carpenter Supervisor	-	-	-	-	-	-	-	-	-	-	-	-	-		17.1001 Carpentry
860.137-010	Carpentry-Labor Supervisor	280	30	390	50	310	70	800	130	1,710	660	1,820	420	1,380		17.1001 Carpentry
860.381-026	Carpenter	-	-	10	0	100	0	50	0	90	0	90	0	0		17.1001 Carpentry
860.381-030	Carpenter Apprentice	-	-	-	-	-	-	-	-	-	-	50	10	10		17.1001 Carpentry
860.781-010	Bill-Board Erector-and-Repairer	-	-	-	-	-	-	-	-	-	-	100	50	100		17.1001 Carpentry
860.887-018	Laborer, Carpentry	30	0	30	20	560	90	360	30	800	480	1,030	240	850		17.1001 Carpentry
861.131	Bricklayer Supervisor	-	-	10	0	-	-	-	-	-	-	20	0	0	*	17.1004 Masonry
861.381-010	Bricklayer	-	-	40	20	30	0	210	20	530	160	420	110	340	*	17.1004 Masonry
861.381-046	Monument Setter	-	-	-	-	-	-	-	-	0	20	-	-	20	*	17.1004 Masonry
861.781-014	Soft Tile Setter	-	-	-	-	-	-	-	-	10	0	20	20	0	*	17.1004 Masonry
861.781-022	Stonemason	80	0	-	-	20	0	20	0	40	0	20	0	0	*	17.1004 Masonry
861.887	Brick Cleaner	40	-	-	-	-	-	-	-	40	0	-	-	40	*	17.1004 Masonry
861.887	Bricklayer Helper	100	-	100	30	-	-	-	-	-	-	-	-	80	*	17.1004 Masonry
861.887	Stonemason Helper	130	-	-	-	-	-	-	-	20	0	100	50	60	*	17.1004 Masonry
862.131	Plumber Supervisor	10	-	-	-	-	-	-	-	-	-	-	-	0	*	17.1007 Plumbing & Pipefitting
862.381-042	Pipefitter	200	0	50	10	-	-	-	-	-	-	60	0	20	*	17.1007 Plumbing & Pipefitting



**OCCUPATIONAL GROUP**

**INSTRUCTIONAL TRAINING PROGRAM**

DOE Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H/W Number	Program	
		12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need	New	12 Month Need	New				
862.881-074	Plumber	1,900	160	30	170	0	130	10	180	10	600	750	660	60	1,080	17.1007	Plumbing & Pipefitting
862.881	Plumber Apprentice	30	-	-	-	-	-	-	-	-	30	10	-	-	0	*	
862.884	Plumber Helper	300	20	0	60	0	30	0	90	0	30	90	70	30	90	*	
862.884	Soft-Water Servicer	180	30	0	50	0	-	-	-	-	30	400	70	0	400	*	
862.887	Laborer, Plumbing	40	-	-	-	-	-	-	-	-	40	10	-	-	10	*	
862.887-034	Oil-Burner-Installation- and-Servicer Helper	30	-	-	-	-	-	-	-	-	30	0	-	-	0	17.0102	Heating
863.884-022	Insulation Installer	620	20	0	-	-	-	-	-	-	-	-	600	100	10	17.1099	Const. & Maintenance Trades, Other
863.884-026	Insulation Worker	40	-	-	-	-	-	-	-	-	40	10	-	-	0	17.1099	Const. & Maintenance Trades, Other
864.781-010	Floor Layer	220	30	0	-	-	-	-	-	-	130	0	60	10	10	17.1099	Const. & Maintenance Trades, Other
864.884	Floor Finisher	10	-	-	10	0	-	-	-	-	-	-	-	-	0	*	
865.781-010	Glazer	150	-	-	50	0	-	-	-	-	40	0	60	0	0	17.1009	Glazing
865.884-014	Glass Installer	90	-	-	10	0	-	60	10	-	-	-	20	10	0	17.1009	Glazing
866.381-017	Roofer	410	120	0	20	0	50	0	30	0	30	0	160	10	20	17.1010	Roofing
866.381-014	Roofer Apprentice	40	-	-	-	-	-	-	-	-	20	20	-	-	40	17.1010	Roofing
866.887-010	Roofer Helper	290	50	10	-	-	-	-	-	-	40	20	200	100	200	17.1010	Roofing
869.281-010	Furnace-Installer-and-Repairer, Hot Air	180	10	10	10	0	-	20	0	10	0	0	130	0	10	17.0102	Heating
869.281-014	House Builder	290	-	-	-	-	-	130	10	80	0	0	80	0	0	17.10	Const. & Maintenance Trades
869.281-018	House Mover	10	-	-	10	0	-	-	-	-	-	-	-	-	0	17.1099	Const. & Maintenance Trades, Other
869.381	Sign Erector I	40	-	-	-	-	-	-	-	-	-	-	40	0	10	*	
869.782-010	Cement-Pump Operator	160	-	-	-	-	-	-	-	160	0	0	-	-	0	17.1003	Operation, Heavy Equip.
869.884	Construction Worker I	5,920	20	10	410	160	80	10	30	20	410	180	4,970	1,460	2,050	*	
869.884	Sign Erector II	100	30	0	30	0	-	-	-	-	-	-	40	10	0	*	
869.884-030	Fence Erector	30	-	-	-	-	-	-	-	30	0	30	-	-	0	17.1099	Const. & Maintenance Trades, Other
869.884-046	Lawn-Sprinkler Installer	50	-	-	-	-	-	-	-	50	0	30	-	-	20	17.1007	Plumbing & Pipefitting
869.884-086	Wrecker	0	-	-	-	-	-	-	-	0	0	30	-	-	0	17.1099	Const. & Maintenance Trades, Other
869.887	Construction Worker II	690	-	-	-	-	-	450	150	190	0	0	50	50	150	*	
869.887-042	Furnace-Installer-and-Repairer Helper, Hot-Air	80	10	10	-	-	-	-	-	-	-	-	70	0	20	17.0102	Heating
	Subtotal	22,690	1,030	110	1,500	290	1,350	190	2,460	380	5,300	2,910	11,050	2,740	7,030		
	<b>Structural Work, Other</b>																
891.138	Maintenance Supervisor	60	-	-	30	10	-	-	-	-	-	-	30	0	10	*	
891.884	Swimming-Pool Servicer	10	-	-	-	-	-	-	-	10	0	0	-	-	0	*	
891.887	Furnace Cleaner	50	-	-	-	-	-	-	-	-	-	-	50	0	10	*	



OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected Employment	INSTRUCTIONAL TRAINING PROGRAM	
DO I Number	Job Title	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Total State Projected 2 Year Need	H.F.W. Number	Program
892.883	Laborer, Hoisting Supervisor.	-	-	10	0	-	-	-	-	-	-	-	-	0	•	
899.133	Labor-Gang Maintenance Man, Factory-or-Mill	-	-	-	-	-	-	10	0	-	-	50	0	0	•	
899.281	Maintenance Man, Factory-or-Mill	-	-	-	-	-	-	-	-	-	-	-	-	0	•	
899.381-010	Maintenance Man, Building	390	10	170	70	470	0	840	120	420	90	360	360	17.10	Const. & Maintenance Trades	
899.884	Highway Maintenance Worker.	-	-	-	-	510	0	-	-	-	-	-	-	0	•	
899.884	House-Trailer-Lot-Utility Worker	-	-	-	-	-	-	-	-	30	0	50	0	0	•	
899.884	Sewer-Pipe Cleaner	20	0	20	0	-	-	-	20	20	0	70	0	0	•	
	Subtotal	410	10	260	10	990	0	900	120	630	90	380	380			
<b>TOTAL STRUCTURAL WORK OCCUPATIONS</b>		2,630	870	4,950	820	3,430	450	7,750	1,720	11,540	5,840	34,420	6,360	16,950		

\*No Vocational Instructional Training Program Listed.

**TABLE 10  
MISCELLANEOUS OCCUPATIONS**

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected Employment	INSTRUCTIONAL TRAINING PROGRAM	
DO I Number	Job Title	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Total State Projected 2 Year Need	H.F.W. Number	Program
<b>Motor Freight</b>																
900.883	Concrete-Mixing-Truck Driver	-	-	50	0	-	-	170	10	70	10	550	50	20	•	
902.883	Dump-Truck Driver	-	-	220	70	90	0	260	210	40	0	180	70	200	•	
903.883	Tank-Truck Driver	50	0	350	10	380	10	270	10	530	40	200	0	100	•	
904.883	Tractor-Trailer-Truck Driver	360	70	260	10	270	0	440	80	640	90	270	40	140	•	
905.883	Truck Driver, Heavy	170	230	590	120	770	180	980	310	1,210	280	1,160	350	1,340	•	
906.883	Truck Driver, Light	20	20	270	30	200	130	350	60	560	170	840	250	880	•	
909.128	Safety Engineer	-	-	-	-	-	-	-	-	10	0	-	-	0	•	
909.138-010	Driver Supervisor	-	-	-	-	-	-	-	-	10	0	-	-	0	•	
909.883	Garbage Collector I	-	-	-	-	60	0	80	0	160	10	890	200	420	•	Transportation
909.887	Furniture Mover	140	20	30	0	20	0	50	0	280	250	270	20	150	•	
909.887	Garbage Collector II	-	-	-	-	-	-	-	-	40	40	-	-	80	•	
	Subtotal	740	340	1,770	240	1,790	320	2,600	680	3,550	890	4,360	980	3,330		

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM	
		Total State Projected Employment	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	Total State Projected 2 Year Need	H.F.W. Number	Program
D.O.I. Number	Job Title														
<b>Transportation, Other</b>															
912.384-010	Airport Servicer	40	0	-	-	-	-	-	-	20	0	-	-	0	17.0403 Ground Operations
912.887	Lineman	140	-	-	-	-	-	-	-	-	-	140	40	0	04.19 Transportation
913.138-010	Road Supervisor	10	-	-	-	-	-	-	-	10	0	-	-	0	04.19 Transportation
913.138	Supervisor, Cab	10	-	-	-	-	-	-	-	10	0	-	-	0	04.19 Transportation
913.168-014	Dispatcher, Bus or Trolley	260	-	-	-	-	-	-	-	10	0	250	60	220	04.19 Transportation
913.168	Taxicab Starter	10	-	-	-	-	-	-	-	-	-	-	-	0	04.19 Transportation
913.463-010	Bus Driver	2,290	70	0	310	10	560	50	450	640	90	260	260	5,150	04.19 Transportation
913.463-018	Taxi Driver	2,540	10	0	40	0	-	-	-	380	60	2,110	7,000	9,090	04.19 Transportation
913.883	Ambulance Driver	60	-	-	-	-	-	-	-	-	-	60	0	0	04.03 Automotive
913.883	Chauffeur	30	-	-	-	-	-	-	-	-	-	10	0	0	04.03 Automotive
914.782-014	Oil Pumper	30	30	0	-	-	-	-	-	-	-	-	-	0	17.3202 Pumping Plants
914.885-018	Pump Man	50	-	-	-	-	-	-	-	-	-	-	-	0	17.3202 Pumping Plants
915.157-010	Car Wash Supervisor	30	-	-	10	0	-	20	0	-	-	-	-	0	04.03 Automotive
915.867	Trailer-Rental Attendant	30	-	-	30	0	-	-	-	-	-	-	-	0	04.03 Automotive
915.867-010	Automobile-Service-Station Attendant	7,110	640	70	1,080	120	840	310	1,280	460	1,990	1,280	280	1,140	04.16 Petroleum
915.878-010	Automobile-Self-Service-Station Attendant	50	-	-	-	-	-	-	-	-	-	-	-	20	04.16 Petroleum
915.878-014	Parking-Lot Attendant	90	-	-	-	-	-	-	-	50	20	-	-	20	04.16 Petroleum
915.878	Parking-Lot Chauffeur	290	20	0	260	0	-	-	-	30	10	60	20	40	04.03 Automotive
915.884	Garage Service Worker	260	-	-	90	10	10	0	40	0	0	70	20	10	04.03 Automotive
915.884	Tire Repairer	70	-	-	30	0	-	10	30	30	10	-	-	0	04.03 Automotive
915.887	Lubrication Worker	70	-	-	30	0	-	10	0	30	0	-	-	10	04.03 Automotive
915.887	Taxi Servicer	60	-	-	-	-	-	-	-	-	-	60	0	30	04.03 Automotive
919.138	Depot Master	10	-	-	-	-	10	0	-	-	-	-	-	0	04.03 Automotive
919.168-010	Dispatcher, Motor Vehicle	40	-	-	-	-	-	-	-	-	-	40	0	0	14.0505 Traffic, Rate, & Transportation Clerks
919.168-014	Dispatcher, Traffic of System	70	20	0	10	0	-	-	-	20	0	20	0	0	14.0505 Traffic, Rate, & Transportation Clerks
919.368-014	Ticket Agent	10	-	-	-	-	10	0	-	-	-	-	-	0	04.19 Transportation
919.368-018	Traffic Checker	10	-	-	10	0	-	-	-	-	-	-	-	0	14.0505 Traffic, Rate, & Transportation Clerks
919.478-010	Car-Rental Clerk	50	-	-	-	-	-	-	-	50	10	-	-	30	04.03 Automotive
919.883-014	Delivery Worker	40	-	-	30	0	10	10	-	-	-	-	-	30	04.08 General Merchandise
919.883	Tow-Truck Operator	140	-	-	-	-	-	10	0	-	-	130	50	80	04.08 General Merchandise
919.887	Yard Worker I	850	-	-	-	-	310	0	380	50	160	-	-	100	04.08 General Merchandise
	Subtotal	14,750	810	70	1,930	140	1,810	380	2,220	560	3,480	750	4,500	7,740	15,990

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		INSTRUCTIONAL TRAINING PROGRAM		
D.O.I. Number	Job Title	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	Total State Projected 2 Year Need	H.F.W. Number Program	
<b>Packaging &amp; Materials Handling</b>																
920.132	Packaging Supervisor	70	-	-	-	-	-	-	-	0	-	-	-	0	•	
920.885	Packager, Machine	420	-	0	20	40	230	110	80	0	80	0	190	•		
920.887-022	Bagger	440	-	80	30	70	170	80	120	80	400	50	210	04.06	Food Distribution	
920.887	Packager, Hand	760	30	10	40	10	210	160	20	60	410	10	130	•		
921.883	Conveyor Operator	790	130	10	30	10	-	410	10	170	50	0	130	•		
921.883-102	Tractor-Crane Operator	180	-	-	-	10	0	-	110	0	60	10	10	17.1003	Operation, Heavy Equip.	
921.883-110	Truck-Crane Operator	10	10	0	-	-	-	-	-	-	-	-	0	17.1003	Operation, Heavy Equip.	
922.138	Platform Supervisor	100	20	10	-	-	20	0	50	60	10	0	20	•		
922.883	Fork-Lift-Truck Operator	1,050	-	-	-	-	-	-	-	-	-	100	90	•		
922.883	Straddle-Truck Operator	50	-	-	-	-	-	-	-	-	-	0	0	•		
922.887	Laboratory-Sample Carrier	10	-	-	-	-	-	-	-	-	-	-	0	•		
922.887-070	Laborer, Stores	3,820	90	10	190	0	260	210	30	10	320	100	730	04.20	Retail Trade, Other	
922.887	Loader I	80	-	30	0	-	-	-	-	-	-	10	0	•		
922.887	Yard Worker	20	-	-	-	-	-	-	-	0	-	-	0	•		
929.133-010	Materials-Handling Supervisor	70	-	-	-	-	-	-	-	-	-	-	0	04.19	Transportation	
929.137-026	Yard Worker I	980	60	10	190	30	90	20	320	40	310	10	100	04.09	Hdwe., Bldg. Materials, Farm & Garden Supplies & Exp.	
929.138	Warehouse Supervisor	290	10	0	20	0	10	0	20	0	120	10	60	•		
929.885	Baling-Machine Operator	70	-	-	-	-	-	-	-	30	60	0	60	•		
929.887	Dumper	540	50	40	20	0	120	20	-	290	0	30	90	•		
929.887	Laborer, Salvage	20	-	-	-	-	-	-	-	-	-	0	0	•		
929.887-050	Materials Handler	1,970	40	30	-	-	-	-	1,110	100	800	20	20	04.19	Transportation	
	Subtotal	11,740	440	120	710	80	770	430	2,130	290	2,770	1,230	4,920	1,580		
<b>Extraction of Minerals</b>																
932.883	Mechanical-Shovel Operator	10	-	-	-	-	-	10	0	-	-	-	-	0	•	
932.887	Chute Loader	10	-	-	-	-	-	10	90	-	-	-	-	0	•	
939.887	Quarry Worker	10	-	-	-	-	-	-	-	0	10	-	-	0	•	
	Subtotal	30	-	-	-	-	-	20	90	10	-	-	-	0		
<b>Production &amp; Distribution of Utilities</b>																
950.132-010	Refrigerator Supervisor	40	-	-	-	-	-	-	-	30	0	0	10	0	17.30	Refrigeration
950.782-054	Stationary Engineer	150	-	-	-	-	-	20	0	30	0	80	0	0	17.32	Stationary Energy Sources, Other
951.855-014	Fireman, High-Pressure	50	-	-	-	-	-	-	-	-	-	-	-	10	17.32	Stationary Energy Sources, Other

OCCUPATIONAL GROUP		Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM	
D.O.T. Number	Job Title	12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		Total State Projected 2 Year Need	H.F.W. Number	Program
		Now	Month	Now	Month	Now	Month	Now	Month	Now	Month	Now	Month			
952.782-014	Diesel-Plant Operator	-	0	70	0	-	-	-	-	80	0	-	-	0	17.3201	Electric Power Generating Plants
952.782-030	Power Plant Operator	-	0	30	10	10	0	-	-	-	-	-	-	0	17.32	Stationary Energy Sources, Other
954.782-014	Pump-Station Operator, Waterworks	-	0	10	0	-	140	0	0	-	-	-	-	0	17.3202	Pumping Plants
955.782-018	Sewage-Plant Operator	-	0	-	0	50	30	20	20	-	-	-	-	20	17.3202	Pumping Plants
955.887	Street Cleaner, Utility Worker	10	0	140	0	150	30	60	20	80	20	10	0	60	*	
957.282-014	Control-Room Technician	-	0	10	0	-	-	-	-	-	-	-	-	0	16.0108	Electronic Technology
957.282-022	Transmitter Operator	-	0	-	0	-	-	-	-	-	-	40	0	0	16.0108	Electronic Technology
957.388	Program-Transmission Supervisor	-	0	-	0	-	-	-	-	-	-	20	0	0	*	
	Subtotal	10	0	330	10	210	60	240	40	220	20	160	0	90		
<b>Amusement, Recreation &amp; Motion Picture</b>																
960.382	Motion-Picture Projectionist	100	0	10	0	-	-	20	0	40	10	20	0	10	*	
969.687	Film Inspector	10	-	-	-	-	-	-	-	-	-	10	0	0	*	
	Subtotal	110	0	10	0	-	-	20	0	40	10	30	0	10		
<b>Graphic Art Work</b>																
970.281	Form Designer	30	-	-	-	10	10	-	-	20	0	-	-	0	*	17.0901 Photographic Lab. & Darkroom Occupations
970.281-026	Photograph Retoucher	10	-	-	-	-	-	-	-	10	10	-	-	10	*	17.0901 Photographic Lab. & Darkroom Occupations
970.381-014	Colorist, Photography	20	-	-	-	-	-	-	-	-	-	20	0	0	17.0901	Photographic Lab. & Darkroom Occupations
970.381-026	Lay-Out Man II	150	-	-	-	-	-	-	-	-	-	150	50	100	17.07	Commercial Art. Occu.
970.381-046	Stripper Apprentice	40	10	0	-	-	-	-	-	-	-	30	0	20	17.07	Commercial Art Occu.
971.281-010	Etcher, Hand	10	-	-	-	-	-	-	-	10	0	-	-	0	17.1904	Photoengraving
971.381-018	Photoengraver	30	-	10	0	20	0	-	-	-	-	-	-	0	17.1904	Photoengraving
971.382-010	Photographer, Photoengraving	10	-	-	0	-	-	-	-	-	-	-	-	0	17.1904	Photoengraving
972.381-014	Transferer I	20	-	-	10	-	-	-	-	-	-	20	0	0	17.1903	Lithography, Photography, & Platemaking
972.382-010	Photographer, Lithograph	30	-	-	-	-	-	-	-	-	-	30	0	0	17.1903	Lithography, Photography, & Platemaking
973.381-010	Compositor	890	50	0	210	30	80	70	10	230	0	250	50	130	17.1901	Composition, Make-Up, & Typesetting
973.381-026	Job Printer	170	-	-	40	10	60	30	0	20	0	20	0	0	17.1901	Composition, Make-Up, & Typesetting



OCCUPATIONAL GROUP	D.O.I. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM
			12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need			
			Now	Projected	Now	Projected	Now	Projected	Now	Projected	Now	Projected	Now	Projected		
	975.381-030	Job Printer Apprentice	-	-	-	-	10	0	-	-	-	-	-	-	0	17.1901 Composition, Make-Up, & Typesetting
	973.381-034	Make-Up Man	50	10	-	-	-	-	10	0	-	-	-	-	20	17.1901 Composition, Make-Up, & Typesetting
	976.381-010	Developer	-	-	-	-	-	10	0	90	10	10	60	70	17.0901 Photographic Lab. & Darkroom Occupations	
	976.884-018	Contact-Frame Operator	-	-	-	-	-	-	-	10	0	-	-	0	17.0901 Photographic Lab. & Darkroom Occupations	
	976.885-034	X-Ray-Developing-Machine Operator	-	-	-	-	-	-	-	-	-	-	10	0	17.0901 Photographic Lab. & Darkroom Occupations	
	976.886-010	Photograph Finisher	-	-	-	-	10	0	-	-	-	-	-	0	17.0901 Photographic Lab. & Darkroom Occupations	
	977.781	Bookbinder, Hand	-	-	-	-	-	-	-	-	-	-	30	0	*	
	977.884	Bookbinder	-	-	10	0	-	-	-	100	20	-	-	0	*	
	979.138-010	Production Supervisor	-	-	10	0	10	0	20	0	0	0	10	0	17.19	Graphic Arts Occupations
	979.381-010	Copy Camera Man	-	-	-	-	-	-	-	70	40	60	0	60	17.0901 Photographic Lab. & Darkroom Occupations	
	979.782	Blueprinting-Machine Operator	-	-	-	-	-	-	-	-	-	-	50	10	*	
		Subtotal	110	10	290	40	200	30	130	10	580	80	850	170	450	
		TOTAL MISCELLANEOUS OCCUPATIONS	2,120	540	5,040	510	4,780	1,220	7,360	1,670	10,650	2,980	14,820	9,420	21,750	

\*No Vocational Instructional Training Program Listed



**TABLE 11  
OCCUPATIONS WITH NO D.O.T. NUMBER**

OCCUPATIONAL GROUP	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	INSTRUCTIONAL TRAINING PROGRAM
		12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now		
Total State Projected Employment		1,160	210	860	90	40	120	10	30	10	150	180	290	0	
Teachers Aide		0	240	0	0	50	60	100	0	500	180	90	180	0	*
Car Washer		0	130	20	0	-	-	60	0	90	20	230	290	0	*
Pulmonary Technician		-	20	0	0	-	-	-	-	-	-	0	0	0	*
Agriculture Stabilization and Conservation Service Employee		-	30	0	80	0	0	10	0	-	-	-	0	0	*
Bottle Sorter		10	-	-	-	-	-	-	-	-	-	-	0	0	*
City Dump Manager		-	-	-	-	-	-	-	10	-	0	-	0	0	*
Drug Rehabilitation Technician		-	-	-	-	-	-	-	-	-	-	0	0	0	*
Defaseler		-	-	-	-	0	200	150	150	-	-	0	150	0	*
Subtotal		210	420	20	130	260	320	600	200	700	320	620			

\*No Vocational Instructional Training Program Listed

**TABLE 12  
PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS**

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED				Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over	
Architecture and Engineering							
Area I	240	100	90	10	0	0	0
Area II	180	40	40	0	0	0	10
Area III	120	20	20	0	0	0	0
Area IV	220	120	110	0	0	10	20
Area V	2,620	300	170	10	20	100	400
Area VI	5,160	790	580	10	0	200	920
Totals	8,540	1,370	1,010	30	20	310	1,350
Mathematics and Physical Sciences							
Area I	0	0	0	0	0	0	0
Area II	10	0	0	0	0	0	0
Area III	100	100	100	0	0	0	90
Area IV	50	10	10	0	0	0	10

OCCUPATIONAL DIVISIONS

	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Turn-over	Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over	Projected Need Following 2 Years		
Area V	490	70	10	0	20	40	70		
Area VI	800	0	0	0	0	0	10		
Totals	1,450	180	120	0	20	40	180		
Life Science									
Area I	110	0	0	0	0	0	20		
Area II	30	0	0	0	0	0	0		
Area III	80	30	20	0	0	10	10		
Area IV	150	0	0	0	0	0	0		
Area V	630	30	20	0	0	10	10		
Area VI	330	20	10	0	0	10	0		
Totals	1,330	80	50	0	0	30	40		
Social Science									
Area I	-	-	-	-	-	-	-		
Area II	10	0	0	0	0	0	0		
Area III	10	0	0	0	0	0	0		
Area IV	-	-	-	-	-	-	-		
Area V	480	70	30	0	30	10	20		
Area VI	30	10	10	0	0	0	20		
Totals	530	80	40	0	30	10	40		
Medicine and Health									
Area I	2,860	120	80	0	0	40	90		
Area II	3,720	260	120	30	0	110	250		
Area III	1,820	150	20	0	0	130	200		
Area IV	2,090	180	80	0	0	100	140		
Area V	3,660	130	30	50	10	40	230		
Area VI	11,750	1,820	30	30	0	1,760	1,720		
Totals	25,900	2,660	360	110	10	2,180	2,630		
Education									
Area I	2,520	40	20	10	0	10	50		
Area II	4,340	400	30	0	10	360	550		
Area III	2,080	170	50	20	0	100	120		
Area IV	5,020	340	10	130	10	190	60		
Area V	5,020	460	100	70	0	290	280		
Area VI	3,920	480	130	70	10	270	400		
Totals	22,900	1,890	340	300	30	1,220	1,460		



**OCCUPATIONAL DIVISIONS**

	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over		
<b>Museum, Library &amp; Archival Sciences</b>								
Area I	60	0	0	0	0	0	0	
Area II	20	0	0	0	0	0	0	
Area III	10	10	10	0	0	0	0	
Area IV	20	0	0	0	0	0	0	
Area V	80	10	10	0	0	0	10	
Area VI	80	10	10	0	0	0	10	
Totals	270	30	30	0	0	0	20	
<b>Law and Jurisprudence</b>								
Area I	200	10	10	0	0	0	10	
Area II	270	30	20	0	0	10	20	
Area III	160	0	0	0	0	0	10	
Area IV	370	20	10	0	0	10	0	
Area V	1,110	100	70	0	0	30	40	
Area VI	2,370	200	90	0	0	110	420	
Totals	4,480	360	200	0	0	160	500	
<b>Religion and Theology</b>								
Area I	70	10	10	0	0	0	0	
Area II	130	0	0	0	0	0	0	
Area III	100	10	10	0	0	0	10	
Area IV	130	30	30	0	0	0	20	
Area V	160	20	20	0	0	0	0	
Area VI	290	20	10	0	0	10	10	
Totals	880	90	80	0	0	10	40	
<b>Writing</b>								
Area I	230	0	0	0	0	0	20	
Area II	140	0	0	0	0	0	0	
Area III	150	0	0	0	0	0	0	
Area IV	150	0	0	0	0	0	10	
Area V	680	80	40	0	0	40	70	
Area VI	160	0	0	0	0	0	40	
Totals	1,510	80	40	0	0	40	140	
<b>Art</b>								
Area I	140	80	80	0	0	0	300	
Area II	10	0	0	0	0	0	0	

OCCUPATIONAL DIVISIONS

PROJECTED REASON FOR NEED

	Projected Employment	Projected Need Next 12 Months	Expansion	Retirement	Promotion	Turn-over	Projected Need Following 2 Years
Area III	150	0	0	0	0	0	10
Area IV	140	0	0	0	0	0	0
Area V	560	50	20	0	0	30	60
Area VI	780	40	30	0	0	10	110
Totals	1,780	170	130	0	0	40	480
Entertainment and Recreation							
Area I	90	10	0	0	0	10	10
Area II	70	0	0	0	0	0	0
Area III	10	20	0	0	0	20	20
Area IV	230	40	0	0	0	40	50
Area V	190	10	0	0	0	10	10
Area VI	370	520	20	0	0	500	1,000
Totals	980	600	20	0	0	580	1,090
Administrative Specializations							
Area I	650	10	10	0	0	0	20
Area II	840	20	0	0	0	20	80
Area III	710	20	0	10	10	0	50
Area IV	910	10	0	0	0	10	40
Area V	5,780	630	210	10	110	300	490
Area VI	6,850	960	620	0	20	320	910
Totals	15,740	1,650	840	20	140	650	1,590
Managers, Officials (Other)							
Area I	1,910	30	10	10	0	10	280
Area II	3,730	150	50	30	0	70	190
Area III	2,040	60	30	10	0	20	20
Area IV	4,230	150	110	10	10	20	90
Area V	9,111	850	160	70	40	580	680
Area VI	9,900	420	120	30	130	140	900
Totals	30,921	1,660	480	160	180	840	2,160
Miscellaneous Professional, Technical and Managerial							
Area I	90	0	0	0	0	0	0
Area II	80	40	0	0	0	40	80
Area III	120	50	50	0	0	0	50

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over	Turn-over	
Area IV	290	30	20	0	0	10	20	
Area V	400	100	0	20	0	80	150	
Area VI	1,000	80	30	0	0	50	90	
Totals	1,980	300	100	20	0	180	390	
TOTAL PROFESSIONAL, TECHNICAL AND MANAGERIAL OCCUPATIONS	119,191	11,200	3,840	640	430	6,290	12,110	

TABLE 13  
CLERICAL AND SALES OCCUPATIONS

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over	Turn-over	
Stenographic, Typing, Filing and Related								
Area I	1,170	80	70	0	0	10	120	
Area II	2,210	130	50	10	0	70	210	
Area III	1,510	130	80	10	0	40	150	
Area IV	2,760	290	90	20	0	90	130	
Area V	8,370	1,110	320	40	30	720	1,120	
Area VI	28,450	7,910	570	10	520	6,810	5,450	
Totals	44,470	9,560	1,180	90	550	7,740	7,180	
Computing and Account Recording								
Area I	1,930	40	40	0	0	0	180	
Area II	3,210	210	70	0	0	140	220	
Area III	1,980	230	80	0	0	150	240	
Area IV	3,010	240	70	40	10	120	90	
Area V	11,580	2,240	370	40	410	1,420	2,580	
Area VI	19,120	2,750	370	150	150	2,080	5,590	
Totals	40,830	5,710	1,000	230	570	3,910	8,900	



**OCCUPATIONAL DIVISIONS**

	Projected Employment	Projected Need Next 12 Months	Expansion	Retirement	Promotion	Turn-over	Projected Need Following 2 Years
<b>Shipping and Receiving Clerks</b>							
Area I	210	40	30	10	0	0	130
Area II	440	60	10	30	0	20	60
Area III	270	70	0	0	0	70	10
Area IV	340	50	20	0	0	30	40
Area V	830	70	10	0	0	60	80
Area VI	3,330	660	60	10	20	570	840
Totals	5,420	950	130	50	20	750	1,160
<b>Information and Message Distribution</b>							
Area I	380	10	0	0	0	10	40
Area II	980	70	30	20	0	20	70
Area III	210	10	0	0	0	10	0
Area IV	580	30	10	0	0	20	50
Area V	6,800	340	50	10	10	270	520
Area VI	7,530	3,580	110	0	20	3,450	320
Totals	16,480	4,040	200	30	30	3,780	1,000
<b>Miscellaneous Clerical</b>							
Area I	210	40	0	0	0	40	30
Area II	160	40	0	0	0	40	0
Area III	70	0	0	0	0	0	0
Area IV	180	10	10	0	0	0	10
Area V	640	50	0	0	0	50	50
Area VI	2,650	890	80	0	60	750	380
Totals	3,910	1,030	90	0	60	880	470
<b>Sales Workers, Services</b>							
Area I	370	60	60	0	0	0	50
Area II	490	30	20	0	0	10	10
Area III	280	40	40	0	0	0	10
Area IV	620	30	30	0	0	0	70
Area V	3,670	720	460	0	0	260	460
Area VI	4,280	320	110	10	0	200	400
Totals	9,710	1,200	720	10	0	470	1,000



**OCCUPATIONAL DIVISIONS**

	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED				Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over	
Sales Workers and Salespersons, Commodities							
Area I	2,060	270	180	0	0	90	210
Area II	5,000	490	220	30	0	240	610
Area III	2,330	280	120	10	0	150	270
Area IV	5,010	620	230	110	30	250	540
Area V	11,250	1,730	420	540	50	720	2,490
Area VI	30,810	5,920	2,180	20	90	3,630	5,160
Totals	56,460	9,310	3,350	710	170	5,080	9,280
Merchandising, except Sales Workers							
Area I	660	40	30	0	0	10	30
Area II	1,450	510	100	0	0	410	880
Area III	640	50	0	0	0	50	70
Area IV	2,070	440	80	20	0	340	430
Area V	2,120	420	50	20	0	350	540
Area VI	5,460	1,460	90	0	40	1,330	2,380
Totals	12,400	2,920	350	40	40	2,490	4,330
<b>TOTAL CLERICAL AND SALES OCCUPATIONS</b>	189,680	34,720	7,020	1,160	1,440	25,100	33,320

**TABLE 14  
SERVICE OCCUPATIONS**

	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED				Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over	
Domestic							
Area I	90	0	0	0	0	0	0
Area II	30	0	0	0	0	0	0
Area III	30	0	0	0	0	0	0
Area IV	120	10	0	10	0	0	0
Area V	200	60	30	0	0	30	30
Area VI	150	10	10	0	0	0	0
Totals	620	80	40	10	0	30	30

**OCCUPATIONAL DIVISIONS**

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	Expansion	PROJECTED REASON FOR NEED				Projected Need Following 2 Years
				Retire-ment	Pro-duction	Turn-over		
<b>Food &amp; Beverage Preparation and Service</b>								
Area I	4,330	1,010	270	40	0	700	720	
Area II	7,170	890	100	50	10	730	1,160	
Area III	3,070	430	110	10	0	310	230	
Area IV	5,090	970	200	100	0	670	910	
Area V	11,360	4,170	180	60	0	3,930	6,960	
Area VI	11,810	3,750	300	0	20	3,430	5,430	
Totals	42,830	11,220	1,160	260	30	9,770	15,410	
<b>Lodging and Related Services</b>								
Area I	380	90	60	0	0	30	40	
Area II	740	80	20	0	0	60	10	
Area III	120	30	10	0	0	20	0	
Area IV	600	100	60	0	0	40	150	
Area V	780	90	0	0	0	90	130	
Area VI	1,070	200	0	10	0	190	240	
Totals	3,690	590	150	10	0	430	570	
<b>Barbering, Cosmetology &amp; Related Sciences</b>								
Area I	260	80	80	0	0	0	20	
Area II	330	30	20	0	0	10	20	
Area III	310	60	60	0	0	0	0	
Area IV	560	50	10	10	0	30	10	
Area V	1,050	150	100	0	0	50	260	
Area VI	1,120	80	40	0	10	30	160	
Totals	3,630	450	310	10	10	120	470	
<b>Amusement &amp; Recreation Services</b>								
Area I	20	20	0	0	0	20	20	
Area II	80	10	10	0	0	0	0	
Area III	130	50	0	0	0	50	60	
Area IV	360	200	0	0	0	200	200	
Area V	20	10	0	0	0	10	10	
Area VI	100	10	10	0	0	0	0	
Totals	710	300	20	0	0	280	290	



**OCCUPATIONAL DIVISIONS**

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over		
<b>Miscellaneous, Personal Services</b>								
Area I	1,120	140	100	0	0	40	90	
Area II	1,960	300	130	0	30	140	330	
Area III	1,500	230	10	0	0	220	280	
Area IV	2,140	540	10	0	10	520	1,100	
Area V	1,810	300	10	10	0	280	320	
Area VI	3,800	930	0	0	0	930	810	
<b>Totals</b>	<b>12,330</b>	<b>2,440</b>	<b>260</b>	<b>10</b>	<b>40</b>	<b>2,130</b>	<b>2,930</b>	
<b>Apparel and Furnishings Services</b>								
Area I	180	30	20	0	0	10	20	
Area II	340	30	10	10	0	10	40	
Area III	370	40	0	0	0	40	10	
Area IV	710	40	40	0	0	0	20	
Area V	470	30	10	0	0	20	30	
Area VI	680	130	0	0	0	130	140	
<b>Totals</b>	<b>2,750</b>	<b>300</b>	<b>80</b>	<b>10</b>	<b>0</b>	<b>210</b>	<b>260</b>	
<b>Protective Services</b>								
Area I	60	0	0	0	0	0	0	
Area II	270	20	0	0	0	20	0	
Area III	270	90	50	0	0	40	140	
Area IV	180	0	0	0	0	0	0	
Area V	250	60	20	0	0	40	20	
Area VI	4,420	2,130	0	0	20	2,110	4,160	
<b>Totals</b>	<b>5,450</b>	<b>2,300</b>	<b>70</b>	<b>0</b>	<b>20</b>	<b>2,210</b>	<b>4,320</b>	
<b>Building and Related Services</b>								
Area I	650	50	10	10	0	30	150	
Area II	1,370	160	20	20	0	120	140	
Area III	800	110	70	10	0	30	100	
Area IV	1,230	70	20	10	0	40	110	
Area V	3,010	520	50	40	20	410	520	
Area VI	3,250	770	140	30	0	600	1,170	
<b>Totals</b>	<b>10,310</b>	<b>1,680</b>	<b>310</b>	<b>120</b>	<b>20</b>	<b>1,230</b>	<b>2,190</b>	
<b>TOTAL SERVICE OCCUPATIONS</b>	<b>82,320</b>	<b>19,360</b>	<b>2,400</b>	<b>430</b>	<b>120</b>	<b>16,410</b>	<b>26,470</b>	

**TABLE 15**  
**FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS**

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over		
<b>Plant Farming</b>								
Area I	1,850	2,310	1,440	0	0	870	290	
Area II	620	170	50	0	0	120	340	
Area III	240	100	50	20	0	30	110	
Area IV	660	190	60	20	0	110	240	
Area V	1,250	800	580	10	0	210	620	
Area VI	940	550	250	20	30	240	790	
Totals	5,560	4,120	2,440	70	30	1,580	2,390	
<b>Animal Farming</b>								
Area I	3,020	520	240	20	0	260	570	
Area II	1,200	300	130	0	0	170	170	
Area III	1,590	570	420	0	0	150	520	
Area IV	1,050	200	50	0	0	150	270	
Area V	250	60	20	0	0	40	20	
Area VI	150	10	10	0	0	0	0	
Totals	7,260	1,660	870	20	0	770	1,550	
<b>Miscellaneous Farming and Related</b>								
Area I	2,720	630	450	10	0	170	250	
Area II	3,300	240	120	0	0	120	160	
Area III	3,180	260	110	20	0	130	240	
Area IV	4,860	600	260	50	0	290	550	
Area V	3,860	680	130	30	0	520	720	
Area VI	570	70	30	0	0	40	100	
Totals	18,490	2,480	1,100	110	0	1,270	2,020	
<b>Fishery and Related</b>								
Area I	-	-	-	-	-	-	-	
Area II	-	-	-	-	-	-	-	
Area III	-	-	-	-	-	-	-	
Area IV	-	-	-	-	-	-	-	
Area V	-	-	-	-	-	-	-	
Area VI	20	0	0	0	0	0	0	
Totals	20	0	0	0	0	0	0	

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED				Turn-over	Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over		
Agriculture Service								
Area I	240	10	10	0	0	0	0	
Area II	460	80	10	0	0	70	120	
Area III	720	200	0	30	10	160	260	
Area IV	420	50	0	0	0	50	0	
Area V	80	40	0	0	0	40	80	
Area VI	110	0	0	0	0	0	0	
Totals	2,030	380	20	30	10	320	460	
Self-Employed Farmers*								
Area I	2,669	83	-	-	-	-	165	
Area II	4,794	110	-	-	-	-	221	
Area III	12,498	215	-	-	-	-	430	
Area IV	15,822	273	-	-	-	-	546	
Area V	13,977	225	-	-	-	-	451	
Area VI	2,710	45	-	-	-	-	89	
Totals	52,470	951	-	-	-	-	1,902	
<b>TOTAL FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS</b>	<b>85,830</b>	<b>9,591</b>	<b>4,430</b>	<b>230</b>	<b>40</b>	<b>3,940</b>	<b>8,322</b>	

\*Based on Agriculture Statistics, 1973 Report

**TABLE 16  
PROCESSING OCCUPATIONS**

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED				Turn-over	Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over		
Processing of Metals								
Area I	-	-	-	-	-	-	-	
Area II	-	-	-	-	-	-	-	
Area III	10	0	0	0	0	0	0	
Area IV	-	-	-	-	-	-	-	
Area V	200	20	0	0	0	20	20	
Area VI	290	0	0	0	0	0	0	
Totals	500	20	0	0	0	20	20	

**OCCUPATIONAL DIVISIONS**

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	Expansion	PROJECTED REASON FOR NEED				Turn-over	Projected Need Following 2 Years
				Retirement	Production	Expansion	Turn-over		
<b>Ore Refining and Foundry</b>									
Area I									
Area II									
Area III									
Area IV	700	150	0	0	0	0	150	0	0
Area V									
Area VI									
Totals	700	150	0	0	0	0	150	0	0
<b>Processing of Food, Tobacco, &amp; Related Products</b>									
Area I	1,290	470	460	0	0	0	10	165	
Area II	750	200	20	10	0	0	170	380	
Area III	1,920	1,550	1,330	0	0	0	220	1,615	
Area IV	1,330	580	50	30	0	0	500	940	
Area V	1,960	300	40	0	10	0	250	500	
Area VI	2,380	350	10	0	0	0	340	600	
Totals	9,630	3,450	1,910	40	10	0	1,490	4,200	
<b>Processing of Paper &amp; Related Materials</b>									
Area I									
Area II									
Area III									
Area IV	20	10	0	0	0	0	10	10	
Area V									
Area VI	250	0	0	0	0	0	0	0	
Totals	270	10	0	0	0	0	10	10	
<b>Processing of Petroleum, Coal, Natural and Manufactured Gas and Related Products</b>									
Area I									
Area II									
Area III									
Area IV									
Area V									
Area VI	150	80	0	0	0	0	80	80	
Totals	150	80	0	0	0	0	80	80	



**OCCUPATIONAL DIVISIONS**

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over		
Processing of Chemicals, Plastics, Synthetics, Rubber, Paint, and Related Products								
Area I	-	-	-	-	-	-	-	-
Area II	-	-	-	-	-	-	-	-
Area III	-	-	-	-	-	-	-	-
Area IV	200	50	10	0	0	40	110	
Area V	1,040	0	0	0	0	0	0	
Area VI	1,140	0	0	0	0	0	20	
Totals	2,380	50	10	0	0	40	130	
Processing of Stone, Clay, Glass, and Related Products								
Area I	-	-	-	-	-	-	-	-
Area II	40	0	0	0	0	0	0	
Area III	-	-	-	-	-	-	-	-
Area IV	240	110	30	0	0	80	100	
Area V	2,150	1,070	510	20	0	540	2,000	
Area VI	150	30	0	0	0	30	60	
Totals	2,580	1,210	540	20	0	650	2,160	
Processing of Leather, Textiles, and Related Products								
Area I	-	-	-	-	-	-	-	-
Area II	-	-	-	-	-	-	-	-
Area III	-	-	-	-	-	-	-	-
Area IV	40	20	0	0	10	10	40	
Area V	-	-	-	-	-	-	-	-
Area VI	310	10	0	0	0	10	0	
Totals	350	30	0	0	10	20	40	
Processing, Other								
Area I	-	-	-	-	-	-	-	-
Area II	20	0	0	0	0	0	0	
Area III	100	100	90	0	0	10	100	
Area IV	-	-	-	-	-	-	-	-
Area V	-	-	-	-	-	-	-	-
Area VI	90	0	0	0	0	0	0	
Totals	210	100	90	0	0	10	100	
<b>TOTAL PROCESSING OCCUPATIONS</b>	<b>16,770</b>	<b>5,100</b>	<b>2,550</b>	<b>60</b>	<b>20</b>	<b>2,470</b>	<b>6,740</b>	



**TABLE 17**  
**MACHINE TRADES OCCUPATIONS**

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over		
<b>Metal Machining</b>								
Area I	50	10	10	0	0	0	0	0
Area II	480	120	40	0	0	80	220	220
Area III	70	50	40	0	0	10	50	50
Area IV	830	100	0	0	0	100	10	10
Area V	4,740	1,150	220	0	30	900	1,100	1,100
Area VI	4,110	1,470	250	0	10	1,210	2,460	2,460
Totals	10,280	2,900	560	0	40	2,300	3,840	3,840
<b>Metalworking, Other</b>								
Area I	70	0	0	0	0	0	0	0
Area II	70	0	0	0	0	0	0	0
Area III	120	40	0	0	0	40	60	60
Area V	1,150	100	0	50	0	50	50	50
Area VI	2,580	370	130	10	20	210	310	310
Totals	3,990	510	130	60	20	300	420	420
<b>Mechanics &amp; Machinery Repairman</b>								
Area I	950	190	180	10	0	0	140	140
Area II	1,820	270	140	10	10	110	280	280
Area III	1,180	230	130	10	0	90	220	220
Area IV	2,340	490	290	60	10	130	270	270
Area V	4,390	940	470	40	0	430	1,000	1,000
Area VI	6,020	870	230	50	10	580	1,690	1,690
Totals	16,700	2,990	1,440	180	30	1,340	3,600	3,600
<b>Paperworking</b>								
Area I	200	40	20	0	0	20	240	240
Area II	1,170	140	0	0	0	140	10	10
Area III	170	30	0	0	0	30	0	0
Totals	1,540	210	20	0	0	190	250	250

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over		
Printing								
Area I	340	20	20	0	0	0	0	40
Area II	110	10	0	0	0	10	0	0
Area III	30	0	0	0	0	0	0	0
Area IV	340	60	40	0	0	20	20	10
Area V	1,050	160	40	0	20	100	100	140
Area VI	760	180	10	0	0	170	170	420
Totals	2,630	430	110	0	20	300	300	610
Wood Machining								
Area I	380	60	30	10	0	20	20	40
Area II	50	20	20	0	0	0	0	20
Area III	10	0	0	0	0	0	0	0
Area IV								
Area V	230	60	60	0	0	0	0	20
Area VI	550	70	60	0	0	10	10	130
Totals	1,220	210	170	10	0	30	30	210
Textile								
Area I								
Area II								
Area III								
Area IV	660	290	10	20	70	190	190	560
Area V								
Area VI								
Totals	660	290	10	20	70	190	190	560
Machine Trades, Other								
Area I								
Area II								
Area III								
Area IV	40	0	0	0	0	0	0	20
Area V	220	80	30	0	10	40	40	110
Area VI	60	10	0	0	0	10	10	20
Totals	320	90	30	0	10	50	50	150
<b>TOTAL MACHINE TRADES OCCUPATIONS</b>	<b>37,340</b>	<b>7,630</b>	<b>2,470</b>	<b>270</b>	<b>190</b>	<b>4,700</b>	<b>4,700</b>	<b>9,640</b>

**TABLE 18**  
**BENCH WORK OCCUPATIONS**

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over	Turn-over	
<b>Fabrication, Assembly &amp; Repair of Metal Products</b>								
Area I	-	-	-	-	-	-	-	-
Area II	20	0	0	0	0	0	0	0
Area III	170	0	0	0	0	0	30	0
Area IV	30	0	0	0	0	0	0	0
Area V	2,510	110	50	10	0	50	660	0
Area VI	1,160	550	280	0	0	270	500	0
Totals	3,890	660	330	10	0	320	1,190	0
<b>Fabrication &amp; Repair of Scientific &amp; Medical Apparatus, Photographic and Optical Goods, Watches and Clocks, and Related Products</b>								
Area I	-	-	-	-	-	-	-	-
Area II	90	10	0	10	0	0	0	0
Area III	60	0	0	0	0	0	0	0
Area IV	140	20	20	0	0	0	0	0
Area V	110	20	20	0	0	0	0	0
Area VI	630	100	20	0	0	80	30	0
Totals	1,030	150	60	10	0	80	30	0
<b>Assembly &amp; Repair of Electrical Equipment</b>								
Area I	150	60	0	0	0	60	50	0
Area II	270	80	50	0	0	30	120	0
Area III	30	10	0	0	0	10	0	0
Area IV	160	10	10	0	0	0	20	0
Area V	180	30	20	0	0	10	20	0
Area VI	330	20	20	0	0	0	10	0
Totals	1,120	210	100	0	0	110	220	0
<b>Fabrication &amp; Repair of Products made from Assorted Materials</b>								
Area I	60	0	0	0	0	0	0	0
Area II	310	50	50	0	0	0	50	0
Area III	290	20	20	0	0	0	140	0

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over		
Area IV	90	40	20	0	10	10	40	
Area V	130	0	0	0	0	0	0	
Area VI	610	250	0	0	0	250	500	
Totals	1,490	360	90	0	10	260	730	
Painting, Decorating & Related								
Area I	50	40	40	0	0	0	180	
Area II	20	10	0	0	0	10	10	
Area III	-	-	-	-	-	-	-	
Area IV	70	20	0	0	0	20	30	
Area V	-	-	-	-	-	-	-	
Area VI	250	0	0	0	0	0	0	
Totals	390	70	40	0	0	30	220	
Fabrication & Repair of Plastics, Synthetics, Rubber and Related Products								
Area I	90	0	0	0	0	0	40	
Area II	-	-	-	-	-	-	-	
Area III	-	-	-	-	-	-	-	
Area VI	-	-	-	-	-	-	-	
Area V	-	-	-	-	-	-	-	
Area VI	120	70	70	0	0	0	70	
Totals	210	70	70	0	0	0	110	
Fabrication & Repair of Wood Products								
Area I	-	-	-	-	-	-	-	
Area II	10	30	20	0	0	10	50	
Area III	-	-	-	-	-	-	-	
Area IV	-	-	-	-	-	-	-	
Area V	-	-	-	-	-	-	-	
Area VI	360	130	90	0	0	40	220	
Totals	370	160	110	0	0	50	270	
Fabrication & Repair of Sand, Stone, Clay and Glass Products								
Area I	-	-	-	-	-	-	-	
Area II	-	-	-	-	-	-	-	



OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED				Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over	
Area III	30	40	0	0	0	40	0
Area IV							
Area V	20	0	0	0	0	0	0
Area VI	60	20	0	0	0	20	20
Totals	110	60	0	0	0	60	20
Fabrication & Repair of Textiles, Leather, and Related Products							
Area I	50	0	0	0	0	0	0
Area II	220	0	0	0	0	0	20
Area III	40	0	0	0	0	0	0
Area IV	250	110	30	0	0	80	120
Area V	940	330	270	0	0	60	100
Area VI	2,000	610	130	10	0	470	1,130
Totals	3,500	1,050	430	10	0	610	1,370
Bench Work, Other							
Area I							
Area II							
Area III							
Area IV	880	140	90	0	10	40	120
Area V							
Area VI	520	260	0	0	0	260	500
Totals	1,400	400	90	0	10	300	620
TOTAL BENCH WORK OCCUPATIONS	13,510	3,190	1,320	30	20	1,820	4,780

TABLE 19  
STRUCTURAL WORK OCCUPATIONS

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED				Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over	
Metal Fabrication, Other							
Area I	360	300	240	10	0	50	890
Area II	570	160	90	10	0	60	120
Area III	120	30	30	0	0	0	40



**OCCUPATIONAL DIVISIONS**

**PROJECTED REASON FOR NEED**

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over		
Area IV	930	300	220	10	0	70	260	
Area V	2,220	1,770	220	0	0	1,550	3,320	
Area VI	6,360	230	40	10	0	180	280	
Totals	10,560	2,790	840	40	0	1,910	4,910	
Welders, Flame Cutters, and Related								
Area I	220	240	230	0	0	10	700	
Area II	450	20	0	0	0	20	50	
Area III	80	10	10	0	0	0	0	
Area IV	750	180	140	0	0	40	70	
Area V	1,000	110	10	0	0	10	130	
Area VI	2,950	580	240	0	20	320	520	
Totals	5,450	1,140	630	0	20	490	1,470	
Electrical Assembling, Installing, and Repairing								
Area I	280	100	80	10	0	10	70	
Area II	720	50	20	0	10	0	100	
Area III	330	50	10	0	0	40	40	
Area IV	690	170	40	10	50	70	60	
Area V	680	120	110	0	0	10	30	
Area VI	9,020	1,530	670	0	0	860	120	
Totals	11,720	2,020	930	20	60	1,010	420	
Painting, Plastering, Waterproofing, Cementing, and Related								
Area I	240	110	40	10	0	60	40	
Area II	460	110	20	10	0	80	180	
Area III	180	30	30	0	0	0	20	
Area IV	200	60	60	0	0	0	40	
Area V	830	270	70	0	0	200	310	
Area VI	3,420	750	120	0	0	630	400	
Totals	5,330	1,330	340	20	0	970	990	
Excavating, Grading, Paving & Related								
Area I	90	0	0	0	0	0	0	
Area II	990	180	90	0	0	90	230	

OCCUPATIONAL DIVISIONS	PROJECTED REASON FOR NEED						Projected Need Following 2 Years
	Projected Employment	Projected Need Next 12 Months	Expansion	Retirement	Promotion	Turn-over	
Area III	1,170	60	40	0	0	20	70
Area IV	1,730	630	210	30	20	370	270
Area V	610	540	510	0	0	30	870
Area VI	990	440	40	0	0	400	310
Totals	5,580	1,850	890	30	20	910	1,750
Construction, Other							
Area I	1,030	110	60	0	0	50	80
Area II	1,500	290	170	10	0	110	350
Area III	1,350	190	50	20	0	120	230
Area IV	2,460	380	130	40	0	210	770
Area V	5,300	2,910	1,930	30	0	950	2,750
Area VI	11,050	2,740	430	30	0	2,280	2,850
Totals	22,690	6,620	2,770	130	0	3,720	7,030
Structural Work, Other							
Area I	410	10	10	0	0	0	0
Area II	260	10	0	10	0	0	10
Area III	200	80	50	10	10	10	40
Area IV	990	0	0	0	0	0	100
Area V	900	120	30	0	0	90	130
Area VI	630	90	0	0	0	90	100
Totals	3,390	310	90	20	10	190	380
TOTAL STRUCTURAL WORK OCCUPATIONS	64,720	16,060	6,490	260	110	9,200	16,950

TABLE 20  
MISCELLANEOUS OCCUPATIONS

OCCUPATIONAL DIVISIONS	PROJECTED REASON FOR NEED						Projected Need Following 2 Years
	Projected Employment	Projected Need Next 12 Months	Expansion	Retirement	Promotion	Turn-over	
Motor Freight							
Area I	740	340	210	0	0	130	220
Area II	1,770	240	90	0	0	150	330
Area III	1,790	320	170	20	0	130	220

**OCCUPATIONAL DIVISIONS**

	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over		
Area IV	2,600	680	230	50	0	400	720	
Area V	3,550	890	450	0	10	430	460	
Area VI	4,360	980	130	20	0	830	1,380	
Totals	14,810	3,450	1,280	90	10	2,070	3,330	
Transportation, Other								
Area I	810	70	10	0	0	60	80	
Area II	1,930	140	70	0	0	70	110	
Area III	1,810	380	100	10	0	270	60	
Area IV	2,220	560	50	140	0	370	300	
Area V	3,480	750	120	80	0	550	850	
Area VI	4,500	7,740	70	20	0	7,650	14,590	
Totals	14,750	9,640	420	250	0	8,970	15,990	
Packaging & Materials Handling								
Area I	440	120	60	10	0	50	110	
Area II	710	80	40	10	0	30	70	
Area III	770	430	320	0	0	110	300	
Area IV	2,130	290	90	0	0	200	250	
Area V	2,770	1,230	780	20	0	430	620	
Area VI	4,920	530	160	10	40	320	530	
Totals	11,740	2,680	1,450	50	40	1,140	1,880	
Extraction of Minerals								
Area I	-	-	-	-	-	-	-	
Area II	-	-	-	-	-	-	-	
Area III	-	-	-	-	-	-	-	
Area IV	20	90	90	0	0	0	0	
Area V	10	0	0	0	0	0	0	
Area VI	-	-	-	-	-	-	-	
Totals	30	90	90	0	0	0	0	
Production & Distribution of Utilities								
Area I	10	0	0	0	0	0	0	
Area II	330	10	0	10	0	0	10	
Area III	210	60	20	0	0	40	50	
Area IV	240	40	10	0	0	30	10	



OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Turn-over	Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over	Projected Need Following 2 Years		
Area V	220	20	20	0	0	0	0	20	
Area VI	160	0	0	0	0	0	0	0	
Totals	1,170	130	50	10	0	0	70	90	
Amusement, Recreation & Motion Picture									
Area I	10	0	0	0	0	0	0	0	
Area II	10	0	0	0	0	0	0	0	
Area III	-	-	-	-	-	-	-	-	
Area IV	20	0	0	0	0	0	0	0	
Area V	40	10	0	0	0	10	10	10	
Area VI	30	0	0	0	0	0	0	0	
Totals	110	10	0	0	0	10	10	10	
Graphic Art Work									
Area I	110	10	10	0	0	0	0	10	
Area II	290	40	0	0	0	40	40	0	
Area III	200	30	10	0	0	20	20	10	
Area IV	130	10	10	0	0	0	0	10	
Area V	580	80	20	0	0	50	50	100	
Area VI	850	170	20	10	20	120	120	320	
Totals	2,160	340	70	10	30	230	230	450	
TOTAL MISCELLANEOUS OCCUPATIONS	44,770	16,340	3,360	410	80	12,490	12,490	21,750	

TABLE 21  
OCCUPATIONS WITH NO D.O.T. NUMBER

OCCUPATIONAL DIVISIONS	Projected Employment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED					Turn-over	Projected Need Following 2 Years
			Expansion	Retirement	Promotion	Turn-over	Projected Need Following 2 Years		
Area I	210	10	10	0	0	0	0	0	
Area II	420	20	0	0	0	20	20	30	
Area III	130	260	240	0	0	20	20	0	
Area IV	320	150	0	0	0	150	150	150	
Area V	600	200	130	10	0	60	60	100	
Area VI	700	320	0	0	0	320	320	340	
Totals	2,380	960	380	10	0	570	570	620	

## PROJECTIONS BY VOCATIONAL INSTRUCTIONAL TRAINING PROGRAMS

Tables 22 through 30 list needs by the seven major areas of Vocational Education and lists only those job titles with a corresponding vocational instructional training program from Section One of this study.

Grouping of Vocational Instructional Training Programs enables the vocational program planner to identify instructional components common to the seven major areas of Vocational Education.

Several Vocational Instructional Training Programs may overlap in preparing persons for employment in an Occupational Division. Therefore, it is necessary that planners become familiar with the detailed descriptions of both occupational titles and Vocational Instructional Training Programs.

Only the totals for "Projected Employment", "Projected Need Next 12 Months", and "Projected Need Following 2 Years" has been presented in this section. Reason for need related to "Expansion", "Retirement", "Promotion", and "Turnover" can be identified for vocational programs, by locating the major division that includes the desired program, in section one, and checking the reason for need in section two of this study.

**TABLE 22**  
**SUMMARY BY MAJOR VOCATIONAL TECHNICAL AREA**

	Now Employed		Projected Future Needs			
			Projected Next 12 Months		Projected Following 2 Years	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
Agricultural Occupations	100,560 <sup>a</sup>	18.8	13,661 <sup>b</sup>	13.8	12,122 <sup>b</sup>	11.2
Distributive Occupations	131,070	24.5	25,840	25.9	33,440	30.9
Health Occupations	30,420	5.7	4,710	4.7	5,360	5.0
Home Economics Occupations	5,020	1.0	830	.8	760	.7
Office Occupations	113,600	21.2	20,360	20.4	17,020	15.7
Technology Occupations	3,020	.7	600	.6	640	.6
Trade and Industrial Occupations	150,530	28.1	33,730	33.8	38,800	35.9
<b>Totals</b>	<b>534,220</b>		<b>99,731</b>		<b>108,142</b>	

<sup>a</sup>Includes self-employed farmers, Nebraska Department of Agriculture, Nebraska Agricultural Statistics, loc cit.

<sup>b</sup>Genereaux, Douglas, loc. cit.

**TABLE 23**  
**PROJECTIONS FOR AGRICULTURAL OCCUPATIONS**

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
01.0100 Agricultural Production	18,840	2,540	1,970
01.0101 Animal Science	7,440	1,720	1,550
01.0102 Plant Science	1,850	2,130	180
01.0104 Farm Business Management	840	30	10
01.0200 Agricultural Supplies/Services	300	30	10
01.0201 Agricultural Chemicals	130	50	80
01.0202 Feeds	3,870	500	400
01.0203 Seeds			
01.0299 Agricultural Supplies/Services, Other	680	80	50
01.0300 Agricultural Mechanics			
01.0301 Agricultural Power and Machinery	3,640	1,110	1,010
01.0304 Water Management	190	190	40

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
01.0400 Agricultural Products (Processing, Inspection and Marketing) .....		-	-
01.0401 Food Products .....	7,340	2,710	3,270
01.0402 Nonfood Products .....			
01.0500 Ornamental Horticulture (Production, Processing, Marketing & Services) .....			
01.0501 Arboriculture .....	60	50	60
01.0502 Floriculture .....	210	50	40
01.0504 Landscaping .....	1,130	420	370
01.0505 Nursery Operation and Management .....	730	740	810
01.0506 Turf Management .....	230	280	300
01.0600 Agricultural Resources (Conservation, Utilization and Services) .....			
01.0601 Forest .....			
01.0602 Recreation .....	30	20	0
01.0603 Soil .....	340	20	40
01.0604 Wildlife (Incl. Game Farms & Hunting Areas) .....			
01.0605 Water .....			
01.0607 Fish (Incl. Farms & Hatcheries) .....	20		
01.0700 Forestry (Production, Processing, Management, Marketing & Services) .....			
01.0703 Logging (Harvesting & Transporting) .....			
01.0706 Special Products .....			
01.9900 Agriculture, Other .....	220	40	30
Self Employed .....	52,470 <sup>a</sup>	951 <sup>b</sup>	1,902 <sup>b</sup>
Total .....	100,560	13,661	12,122

<sup>a</sup>Nebraska Department of Agriculture, Nebraska Agricultural Statistics, loc. cit.

<sup>b</sup>Genereaux, Douglas, loc. cit.

**TABLE 24**  
**PROJECTIONS FOR DISTRIBUTIVE OCCUPATIONS**

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
04.0100 Advertising Services .....	1,920	120	150
04.0200 Apparel and Accessories .....	7,380	1,460	2,430
04.0300 Automotive .....	8,480	1,040	960
04.0400 Finance and Credit .....	5,910	600	900
04.0500 Floristry .....	1,020	160	160
04.0600 Food Distribution .....	11,380	2,070	2,420
04.0700 Food Services .....	3,380	160	300
04.0800 General Merchandise .....	30,720	3,410	5,050
04.0900 Hardware, Building Materials, Farm and Garden Supplies & Equip. ....	6,980	880	1,060
04.1000 Home Furnishings .....	2,740	480	670
04.1100 Hotel and Lodging .....	1,320	40	90
04.1200 Industrial Marketing .....	7,960	760	850
04.1300 Insurance .....	6,000	680	890
04.1400 International Trade .....			

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
04.1500 Personal Services .....	1,140	80	80
04.1600 Petroleum .....	7,480	1,790	1,140
04.1700 Real Estate .....	4,940	520	470
04.1800 Recreation and Tourism .....	2,670	360	370
04.1900 Transportation .....	7,840	7,730	14,530
04.2000 Retail Trade, Other .....	10,380	3,480	730
04.3100 Wholesale Trade, Other .....	1,070	20	160
04.9900 Distributive Education, Other .....	360	0	30
Total .....	131,070	25,840	33,440

**TABLE 25  
PROJECTIONS FOR HEALTH OCCUPATIONS**

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
07.0100 Dental .....			
07.0101 Dental Assisting .....	1,090	100	90
07.0102 Dental Hygiene (Associate Degree) .....	100	10	0
07.0103 Dental Laboratory Technology .....	120	20	0
07.0200 Medical Laboratory Technology .....			
07.0201 Cytology (Cytotechnology) .....			
07.0202 Histology .....	30	0	0
07.0203 Medical Laboratory Assisting .....	1,940	230	250
07.0204 Hematology .....			
07.0300 Nursing .....			
07.0301 Nursing (Associate Degree) .....	9,130	1,190	1,240
07.0302 Practical (Vocational) Nursing .....	3,920	490	490
07.0303 Nursing Assistance (Aid) .....	10,850	2,230	2,810
07.0304 Psychiatric Aid .....			
07.0305 Surgical Technician (Operating Room Technician) .....	190	0	0
07.0306 Obstetrical Technician .....			
07.0307 Home Health Aid .....	10	0	0
07.0400 Rehabilitation .....			
07.0401 Occupational Therapy .....	20	0	10
07.0402 Physical Therapy .....	190	50	50
07.0403 Prosthetics .....	30	0	0
07.0404 Orthotics .....	70	0	0
07.0500 Radiologic .....			
07.0501 Radiologic Technology (X-Ray) .....	820	90	90
07.0503 Nuclear Medical Technology .....	60	0	0
07.0600 Ophthalmic .....			
07.0601 Ophthalmic Dispensing .....	230	20	50
07.0602 Orthoptics .....			
07.0700 Environmental Health Assistant .....			
07.0702 Radiological Health Technician .....			
07.0703 Sanitarian Assistant .....			
07.0800 Mental Health Technology .....			
07.0900 Miscellaneous Health Occupations Education .....			
07.0901 Electroencephalograph Technician .....	80	10	10
07.0902 Electrocardiograph Technician .....	120	30	20



INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
07.0903 Inhalation Therapy .....	320	70	50
07.0904 Medical Assistant (Assistant to Physician's Office) .....	540	60	50
07.0905 Central Supply Technician .....	350	80	80
07.0907 Medical Emergency Technician .....	90	0	0
07.0909 Mortuary Science .....	120	30	70
Totals .....	30,420	4,710	5,360

**TABLE 26**

**PROJECTIONS FOR HOME ECONOMICS OCCUPATIONS**

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
09.0200 Occupational Preparation .....	...	...	...
09.0201 Care and Guidance of Children .....	330	80	70
09.0202 Clothing Management, Production, and Services .....	20	0	0
09.0203 Food Management, Production and Services .....	540	50	80
09.0204 Home Furnishings, Equipment, and Services .....	160	30	30
09.0205 Institutional and Home Management and Supporting Services .....	3,970	670	580
Totals .....	5,020	830	760

**TABLE 27**

**PROJECTIONS FOR OFFICE OCCUPATIONS**

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
14.0100 Accounting and Computing Occupations	...	...	...
14.0101 Accountants .....	220	10	10
14.0102 Bookkeepers .....	14,430	970	1,270
14.0103 Cashiers .....	1,040	180	180
14.0104 Machine Operators: Billing, Bookkeeping and Computing .....	540	0	100
14.0105 Tellers .....	2,700	490	460
14.0199 Accounting and Computing Occupations, Other .....	40	0	0
14.0200 Business Data Processing Systems Occupations .....	120	0	10
14.0201 Computer and Console Operators .....	2,620	300	280
14.0202 Peripheral Equipment Operators and Key punch and Coding .....	2,240	380	660
14.0203 Programmers .....	430	50	30
14.0204 Systems Analysts .....	170	30	10

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
14.0300 Filing, Office Machines, and General Office Clerical Occupations .....	--	--	--
14.0301 Duplicating Machine Operators .....	60	40	10
14.0302 File Clerks .....	3,020	1,550	1,570
14.0303 General Office Clerks .....	16,380	2,830	4,590
14.0399 Filing, Office Machines, and General Office Clerical Occupations, Other .....	13,600	4,340	420
14.0400 Information Communications Occupations	--	--	--
14.0401 Communication Systems Clerks and Operators .....	4,630	3,340	110
14.0402 Correspondence Clerks .....	40	10	10
14.0403 Mail and Postal Clerks .....	5,690	130	270
14.0404 Mail-preparing and Mail-handling Machine Operators .....	10	0	0
14.0405 Messengers and Office Boys and Girls .....	160	60	100
14.0406 Receptionists and Information Clerks .....	5,700	470	420
14.0499 Information Communication Occupations, Other .....	700	30	20
14.0500 Materials Support Occupations (Transporting, Storing and Recording) ...	--	--	--
14.0501 Planning and Production Clerks .....	440	10	10
14.0502 Quality Control Clerks .....	--	--	--
14.0503 Shipping and Receiving Clerks .....	1,580	280	410
14.0504 Stock and Inventory Clerks .....	340	20	70
14.0505 Traffic, Rate, and Transportation Clerks .....	140	0	0
14.0599 Materials Support Occupations (Transporting, Storing and Recording), Other .....	40	0	0
14.0600 Personnel, Training, and Related Occupations .....	--	--	--
14.0601 Educational Assistants and Training Specialists .....	30	0	0
14.0602 Interviewers and Test Technicians .....	560	410	160
14.0603 Personnel Assistants .....	700	90	60
14.0699 Personnel, Training, and Related Occupations, Other .....	20	0	0
14.0700 Stenographic, Secretarial, and Related Occupations .....	--	--	--
14.0701 Executive Secretary .....	310	10	10
14.0702 Secretaries .....	21,790	2,560	3,900
14.0703 Stenographers .....	750	100	40
14.0800 Supervisory and Administrative Management Occupations .....	--	--	--
14.0801 Administrative Assistants .....	640	60	60
14.0802 Budget Management Analysis .....	320	50	0
14.0804 Data-Methods and System-Procedures Analysts .....	--	--	--
14.0805 Office Managers and Chief Clerks .....	4,670	360	270
14.0899 Supervisory and Administrative Management Occupations, Other .....	450	80	90
14.0900 Typing and Related Occupations .....	--	--	--
14.0901 Clerk-Typist .....	1,140	200	240
14.0902 Typists .....	4,110	750	950
14.9900 Office Occupations, Others .....	1,030	170	220
Totals .....	113,600	20,360	17,020

**TABLE 28**

**PROJECTIONS FOR TECHNOLOGY OCCUPATIONS**

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
16.0101 Aeronautical Technology .....	10	0	0
16.0103 Architectural Technology (Building Construction) .....			
16.0104 Automotive Technology .....			
16.0105 Chemical Technology .....	450	90	90
16.0106 Civil Technology .....	40	0	0
16.0107 Electrical Technology .....	20	0	0
16.0108 Electronic Technology .....	230	40	40
16.0109 Electromechanical Technology .....			
16.0110 Environmental-Control Technology .....			
16.0111 Industrial Technology .....	80	20	20
16.0112 Instrumentation Technology .....	80	30	30
16.0113 Mechanical Technology .....	740	260	220
16.0114 Metallurgical Technology .....			
16.0115 Nuclear Technology .....			
16.0116 Petroleum Technology .....	910	150	200
16.0117 Scientific Data Processing .....			
16.0199 Engineering-Related Technology, Other ..			
16.0200 Agricultural-Related Technology .....	150	0	10
16.0203 Food Processing Technology .....	80	0	10
16.0499 Office-Related Technology, Other .....	20	0	0
16.0601 Commercial Pilot Training .....	210	10	20
16.0602 Fire and Fire Safety Technology .....			
16.0699 Miscellaneous Technical Education, Other .....			
Totals .....	3,020	600	640

**TABLE 29**

**PROJECTIONS FOR TRADE AND INDUSTRIAL OCCUPATIONS**

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
17.0100 Air Conditioning .....	50	20	10
17.0101 Cooling .....	350	100	90
17.0102 Heating .....	90	20	30
17.0103 Ventilating (Filtering and Humidification) .....			
17.0200 Appliance Repair .....	240	50	50
17.0201 Electrical Appliances .....	370	80	80
17.0202 Gas Appliances .....	670	80	150
17.0300 Automotive .....	140	90	150
17.0301 Body and Fender .....	2,020	350	540
17.0302 Mechanics .....	8,590	1,530	2,160
17.0303 Specialization, Other .....	290	80	70
17.0400 Aviation Occupations .....			
17.0401 Aircraft Maintenance .....	440	80	80
17.0402 Aircraft Operations .....	10	0	0
17.0403 Ground Operations .....	40	0	0

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
17.0500 Blueprint Reading			
17.0600 Business Machine Maintenance	320	10	40
17.0700 Commercial Art Occupations	260	50	130
17.0701 Interior Decorating	230	10	20
17.0702 Window Display			
17.0703 Product Design	120	70	310
17.0800 Commercial Fishery Occupations			
17.0801 Seamanship			
17.0802 Ship and Boat Operation and Maintenance			
17.0899 Commercial Fishery Occupations, Other			
17.0900 Commercial Photography Occupations			
17.0901 Photographic Laboratory and Darkroom Occupations	460	120	140
17.1000 Construction and Maintenance Trades	2,850	300	360
17.1001 Carpentry	9,140	2,570	2,350
17.1002 Electricity	2,740	370	150
17.1003 Heavy Equipment	6,410	1,870	1,740
17.1004 Masonry	1,370	330	380
17.1005 Painting and Decorating	720	270	230
17.1006 Plastering	230	0	0
17.1007 Plumbing and Pipefitting	2,420	960	1,200
17.1008 Dry-Wall Installation	790	130	220
17.1009 Glazing	150	0	0
17.1010 Roofing	740	160	260
17.1099 Construction and Maintenance Trades, Other	6,530	1,600	1,290
17.1100 Custodial Services	10,680	1,670	2,170
17.1200 Diesel Mechanic	290	120	100
17.1300 Drafting	2,320	460	400
17.1400 Electrical Occupations	5,080	610	0
17.1401 Industrial Electrician	120	10	0
17.1402 Lineman	2,550	850	80
17.1403 Motor Repairman	170	20	30
17.1500 Electronics Occupations	210	80	70
17.1501 Communications	260	0	30
17.1502 Industrial Electronics			
17.1503 Radio/Television	470	70	40
17.1600 Fabric Maintenance Services	370	10	0
17.1601 Drycleaning	290	50	10
17.1602 Laundering	1,630	180	190
17.1699 Fabric Maintenance Services, Other	10	0	0
17.1700 Foremanship, Supervision and Management Development			
17.1900 Graphic Arts Occupations	110	0	0
17.1901 Composition, Makeup, and Typesetting	1,750	180	170
17.1902 Printing Press Occupations	1,860	390	380
17.1903 Lithography, Photography, and Platemaking	50	0	0
17.1904 Photoengraving	50	0	0
17.1905 Silk Screen Making and Printing			
17.1906 Bookbinding	250	50	150
17.1999 Graphic Arts, Other	10	0	0
17.2000 Industrial Atomic Energy			

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
17.2001 Installation, Operation, and Maintenance of Reactors .....			
17.2002 Radiography .....			
17.2003 Industrial Uses of Radioisotopes .....			
17.2099 Industrial Atomic Energy, Other .....			
17.2100 Instrument Maintenance and Repair .....			
17.2101 Instruments (Other Than Watches and Clocks) .....	550	100	0
17.2102 Watchmaking and Repair .....	100	20	0
17.2200 Maritime Occupations .....	30	0	0
17.2300 Metalworking .....			
17.2301 Foundry .....	720	150	0
17.2302 Machine Shop .....	7,700	2,440	3,200
17.2303 Machine Tool Operation .....	840	60	50
17.2304 Metal Trades, Combined .....	5,780	1,760	3,070
17.2305 Sheet Metal .....	3,790	300	160
17.2306 Welding and Cutting .....	5,450	1,140	1,470
17.2307 Tool and Die Making .....	1,770	440	630
17.2308 Die Sinking .....			
17.2309 Metal Patternmaking .....			
17.2399 Metalworking, Other .....	440	20	20
17.2400 Metallurgy .....	30	0	0
17.2600 Personal Services .....			
17.2601 Barbering .....	560	50	40
17.2602 Cosmetology .....	2,910	360	360
17.2699 Personal Services, Other .....		10	0
17.2700 Plastics Occupations .....		0	10
17.2800 Public Service Occupations .....			
17.2801 Fireman Training .....			
17.2802 Law Enforcement Training .....	710	90	130
17.2899 Public Service Occupations, Other .....	20	0	0
17.2900 Quantity Food Occupations .....			
17.2901 Baker .....	810	430	880
17.2902 Cook/Chef .....	14,860	2,350	3,230
17.2903 Meat Cutter .....	1,360	270	450
17.2904 Waiter/Waitress .....	18,480	6,030	7,240
17.2999 Quantity Food Occupations, Other .....	330	330	330
17.3000 Refrigeration .....	40	0	0
17.3100 Small Engine Repair, Internal Combustion .....	240	60	110
17.3200 Stationary Energy Sources Occupations .....	240	10	10
17.3201 Electric Power Generating Plants .....	150	0	0
17.3202 Pumping Plants .....	220	60	20
17.3299 Stationary Energy Sources Occupations, Other .....			1
17.3300 Textile Production and Fabrication .....			
17.3301 Dressmaking .....	70	10	0
17.3302 Tailoring .....	300	20	50
17.3399 Textile Production and Fabrication, Other .....	1,660	560	500
17.3400 Leatherworking .....	50	0	0
17.3401 Shoe Manufacturing .....			
17.3402 Shoe Repair .....	100	0	40
17.3500 Upholstering .....	800	160	260
17.3600 Woodworking .....			

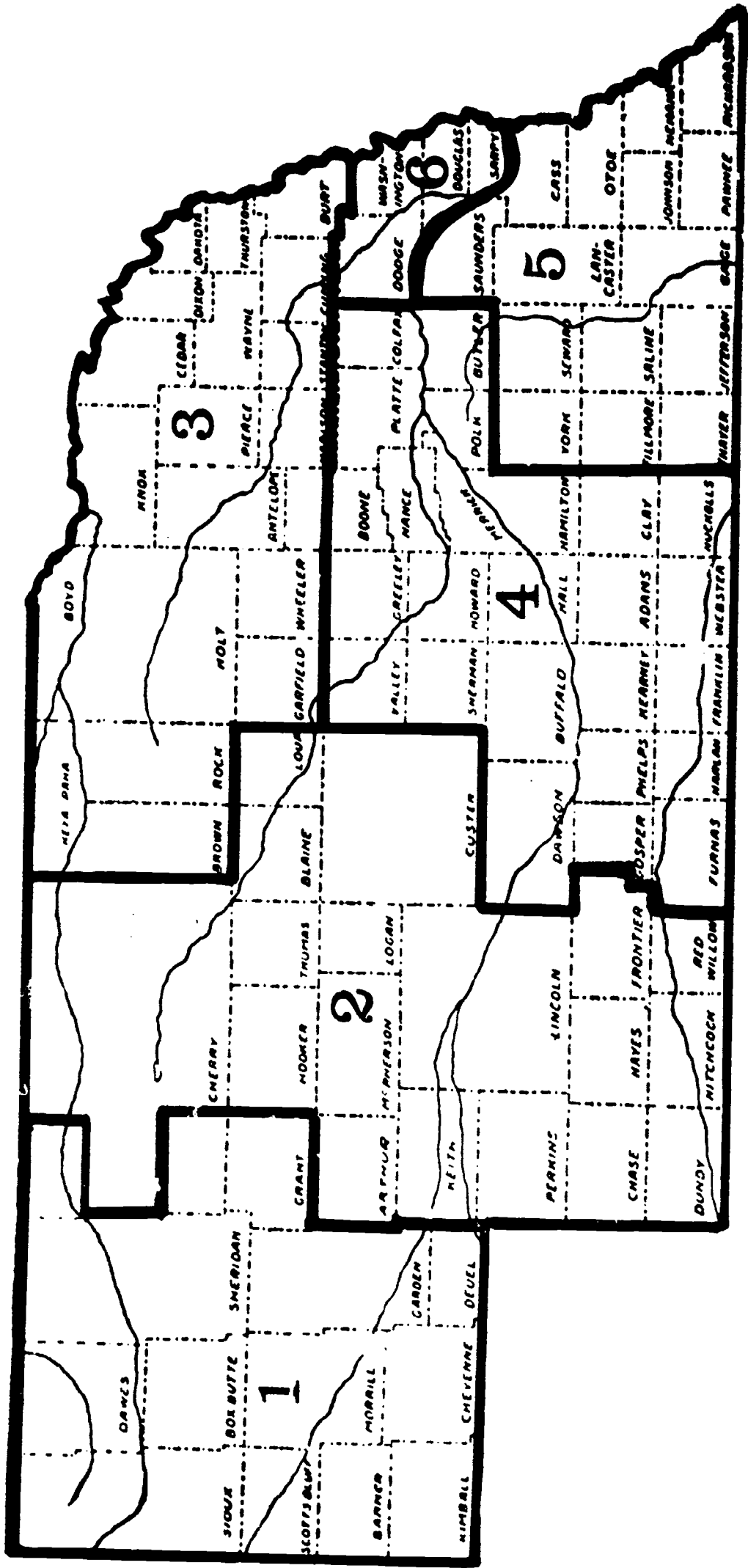
INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
17.3601 Millwork and Cabinet Making .....	1,710	450	499
17.3699 Woodworking, Other .....	40	0	0
17.9900 Trade and Industrial Occupations, Other .....			
Totals .....	150,530	33,730	38,800

**TABLE 30  
PROJECTIONS FOR ALL OTHER OCCUPATIONS**

	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
*Total of all Other Occupations for which there were no Vocational Instructional Training Programs .....	126,601	24,720	31,940
**Total of all Other Occupations for which there were no D.O.T. Numbers nor Vocational Instructional Training Programs .....	2,380	960	620
Totals .....	128,981	25,680	32,560

\*Individual job titles identified by \* in Section 1 of this Report.

\*\*Individual job titles identified in Table 11 of Section 1 of this Report.



**APPENDIX A**  
**TECHNICAL COMMUNITY COLLEGE AREAS**

1. WESTERN NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
2. MID-PLAINS NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
3. NORTHEAST NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
4. CENTRAL NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
5. SOUTHEASTERN NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
6. METROPOLITAN NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA