

Growing and Declining Occupations

Growing Occupations

Occupational Title	2002 Estimated Employment	2012 Projected Employment	Annual Growth Rate (%)
Biological Technicians	35	55	7.1
Social & Human Service Assistants	65	105	6.2
Personal & Home Care Aides	60	90	5.0
Self-Enrichment Education Teachers	50	70	4.0
Dental Assistants	60	80	3.3
Nursing Aides, Orderlies & Attendants	655	855	3.1
Child Care Workers	195	245	2.8
Registered Nurses	600	765	2.8
Receptionists & Information Clerks	165	205	2.7
Customer Service Representatives	185	235	2.7
Loan Officers	115	145	2.6
Home Health Aides	135	175	2.6
Computer Programmers	60	75	2.5
Sales Managers	85	100	2.4
Sales Representatives, Whsl. & Mfg. Technical & Scientific Products	200	245	2.3
Welders, Cutters, Solderers & Brazers	245	295	2.2
Demonstrators & Product Promoters	115	140	2.2
Coating, Painting & Spraying Machine Setters, Operators & Tenders	70	85	2.1
Medical & Health Services Managers	95	115	2.1
Licensed Practical & Licensed Vocational Nurses	150	180	2.0
Supervisors/Managers of Non-Retail Sales Workers	75	90	2.0
Industrial Machinery Mechanics	75	90	2.0

Growing occupations are occupations whose growth rate is above average and are expected to have the largest percentage of growth between 2002 and 2012.

However, even though an occupation is expected to grow rapidly it may not necessarily provide the largest number of job openings. It is therefore recommended that consideration also be given to employment levels.

Declining occupations show the expected reduction rate for occupations that may occur due to declining industry employment and technological change.

Declining occupations may still be considered a source for occupational employment. However, careful thought should be given to training time and costs.

Produced by:

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Declining Occupations

Occupational Title	2002 Estimated Employment	2012 Projected Employment	Annual Growth Rate (%)
Agricultural & Food Science Technicians	310	245	-1.9
Computer Operators	140	115	-1.8
Secretaries, except Legal, Medical & Executive	695	595	-1.4
Animal Trainers	130	115	-1.2
Electrical & Electronic Equipment Assemblers	120	110	-0.8
Laborers & Freight, Stock & Material Movers, Hand	545	505	-0.7
Stock Clerks & Order Fillers	255	240	-0.6
Bookkeeping, Accounting & Auditing Clerks	965	920	-0.5
Nonfarm Animal Caretakers	200	190	-0.5
Postal Service Mail Carriers	135	130	-0.4
Shipping, Receiving & Traffic Clerks	140	135	-0.4
Executive Secretaries & Administrative Assistants	305	290	-0.3
Machine Feeders & Offbearers	160	160	-0.3
Bartenders	165	160	-0.3
Supervisors/Managers of Office & Administrative Support Workers	360	355	-0.1

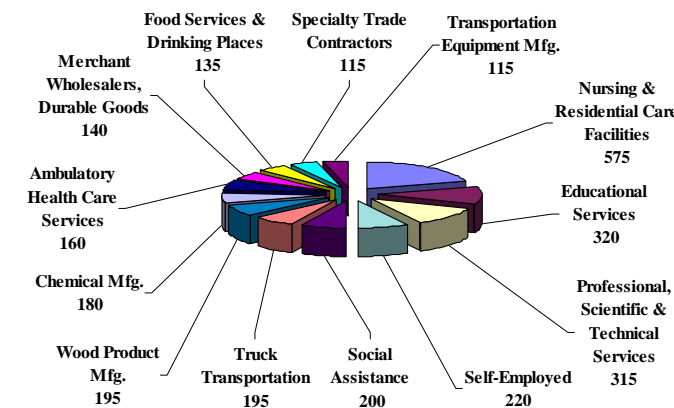
2012 Job Outlook - Region 4

LYON, O'BRIEN, OSCEOLA, AND SIOUX

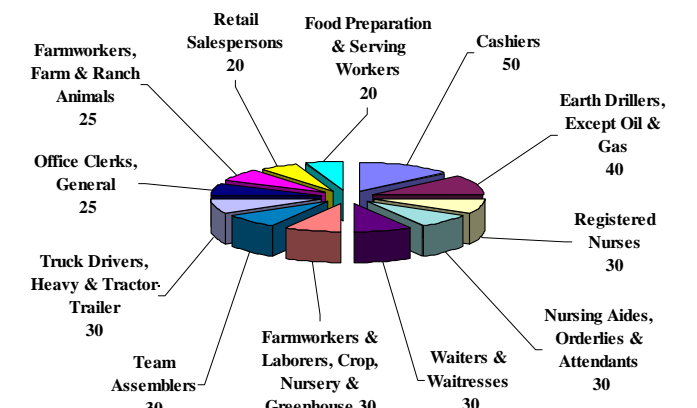


The 2012 Job Outlook presents a summary of information about the Iowa job market and economy for ten years from 2002 to 2012. Graphs and tables depict information on industries and occupations that will impact our state's economic outlook through the year 2012. Detailed information for industry and occupational projections for 2012 and other labor market information may be requested by sending an e-mail to iwd.lmi@iwd.state.ia.us

Industries with the Most Openings
2002-2012



Occupations with the Most Annual Openings
2002-2012



The Region 4 economy is expected to generate 3,500 jobs which includes new jobs and replacements between the years 2002 and 2012. This will result in 1,300 annual job openings for the area. The Region 4 growth rate of 9.4% is lower than the state projected rate of 13.5%. Health care and the manufacturing industries are expected to be the leaders in job creation. Many industries, such as educational services and health care, will also replace workers due to retirement or other reasons that may cause workers to leave the workforce on a permanent basis.

Region 4 — Occupations With Largest Total Annual Openings By Education Level

Less Than High School

Estimated Annual Openings 2002-2012	Occupational Title	IWD Region 4 2005 Average Hourly Wage
50	Cashiers	\$7.64
30	Nursing Aides, Orderlies & Attendants	10.20
30	Waiters & Waitresses	6.31
30	Farmworkers & Laborers, Crop, Nursery & Greenhouse	NS
25	Office Clerks, General	10.21
25	Farmworkers, Farm & Ranch Animals	NS
20	Food Preparation & Serving Workers	6.77
20	Retail Salespersons	10.28
20	Laborers & Freight, Stock & Material Movers	10.25
15	Janitors & Cleaners	10.10
10	Teacher Assitants	NS
10	Food Preparation Workers	7.23
10	Tellers	8.78
NS - Not surveyed		



Postsecondary Education/Training

Estimated Annual Openings 2002-2012	Occupational Title	IWD Region 4 2005 Average Hourly Wage
30	Registered Nurses	\$18.31
15	Supervisors/Managers of Construction Trades & Extraction Workers	18.33
10	Supervisors/Managers of Retail Sales Workers	18.50
10	Supervisors/Managers of Office & Administrative Support Workers	18.36
10	Supervisors/Managers of Farming, Fishing & Forestry Workers	20.71
10	Supervisors/Managers of Production & Operating Workers	19.44
10	Carpenters	13.57
10	Welders, Cutters, Soldiers & Brazers	15.73
5	Agricultural & Food Science Technicians	NS
5	Licensed Practical & Licensed Vocational Nurses	14.06
5	Automotive Service Technicians & Mechanics	13.29
5	Bus & Truck Mechanics & Diesel Engine Specialists	12.30
5	Cooks, Restaurant	7.12
NS - Not surveyed		

In Iowa, almost 45% of all occupations will require a postsecondary education or above.

The most frequent skills associated with these education levels are problem solving, social skills and resource management.

High School or GED

Occupations that require a high school education or less provide opportunities to learn the basic skills associated with being a good employee such as listening, speaking, writing, and reading.

The more education obtained the wider the door opens to career choices and the possibility for increased wages.

Estimated Annual Openings 2002-2012	Occupational Title	IWD Region 4 2005 Average Hourly Wage
40	Earth Drillers, except Oil & Gas	NS
30	Team Assemblers	\$12.51
30	Truck Drivers, Heavy & Tractor-Trailer	14.92
20	Bookkeeping, Accounting & Auditing Clerks	11.34
20	Slaughterers & Meat Packers	NS
15	Sales Representatives, Whsl. & Mfg., except Technical & Scientific Products	21.40
15	Secretaries, except Legal, Medical & Executive	11.53
10	Cooks, Institution & Cafeteria	9.24
10	Sales Representatives, Whsl. & Mfg., Technical & Scientific Products	NS
10	Customer Service Representatives	12.09
10	Agricultural Equipment Operators	NS
5	Executive Secretaries & Administrative Assistants	14.50
NS - Not surveyed		



Bachelor's Degree or Above

Estimated Annual Openings 2002-2012	Occupational Title	IWD Region 4 2005 Average Hourly Wage
15	Farm, Ranch & Other Agricultural Managers	NS
15	Secondary School Teachers, except Special & Vocational Ed.	NS
10	General & Operations Managers	\$40.85
10	Accountants & Auditors	27.04
10	Elementary School Teachers, except Special & Vocational Ed.	39,263*
5	Chief Executives	54.28
5	Sales Managers	34.49
5	Financial Managers	29.20
5	Education Administrators, Elementary & Secondary School	81,769*
5	Medical & Health Services Managers	23.70
5	Loan Officers	23.68
5	Middle School Teachers, except Special & Vocational Ed.	34,226*
*Average annual wage		
NS - Not surveyed		