

Growing and Declining Occupations

Growing Occupations

Occupational Title	2002 Estimated Employment	2012 Projected Employment	Annual Growth Rate (%)
Computer Software Engineers, Applications	50	80	6.0
Financial Analysts	270	410	5.2
Computer Software Engineers, Systems Software	50	80	5.0
Network Systems & Data Communications Analysts	50	75	5.0
Legal Secretaries	100	140	4.5
Tax Preparers	160	230	4.4
Pharmacists	95	140	4.2
Network & Computer Systems Administrators	100	140	4.0
Medical Records & Health Information Technicians	190	265	3.9
Home Health Aides	320	435	3.6
Self-Enrichment Education Teachers	115	160	3.5
Civil Engineers	60	85	3.3
Heating, Air Conditioning & Refrigeration Mechanics & Installers	75	95	3.3
Multiple Machine Tool Setters, Operators & Tenders, Metal & Plastic	280	365	3.2
Philosophy & Religion Teachers, Postsecondary	80	105	3.1
Pharmacy Technicians	65	80	3.1
Personal & Home Care Aides	265	350	3.0
Education Teachers, Postsecondary	50	65	3.0
English Language & Literature Teachers, Postsecondary	50	65	3.0

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.

2012

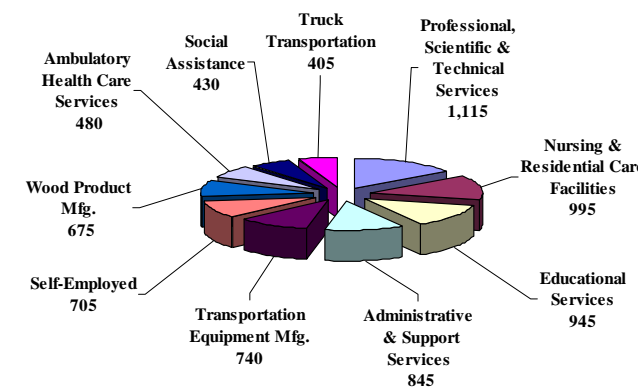
Job Outlook - Region 1

ALLAMAKEE, CHICKASAW, CLAYTON, DELAWARE, DUBUQUE, FAYETTE, HOWARD, AND WINNESHIEK

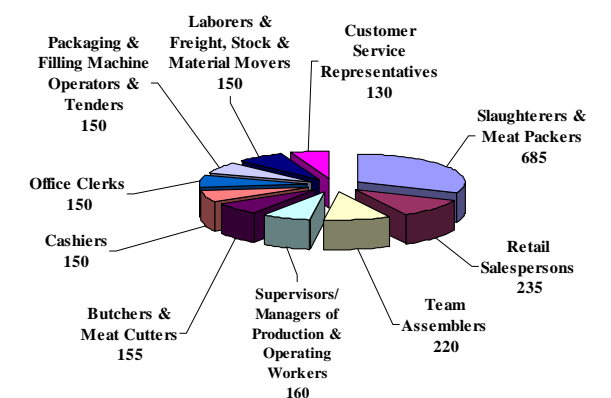
The 2012 Job Outlook presents a summary of information about the Iowa job market and economy for ten years from 2002 to 2012. Graphs and tables depict information on industries and occupations that will impact our state's economic outlook through the year 2012. Detailed information for industry and occupational 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



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.

Declining Occupations

Occupational Title	2002 Estimated Employment	2012 Projected Employment	Annual Growth Rate (%)
Agricultural & Food Science Technicians	810	690	-1.5
File Clerks	130	110	-1.5
Electrical & Electronic Equipment Assemblers	760	640	-1.5
Logging Equipment Operators	140	120	-1.4
Electrical Power-Line Installers & Repairers	105	90	-1.4
Secretaries, Except Legal, Medical & Executive	1,790	1,560	-1.3
Chemical Equipment Operators & Tenders	165	145	-1.2
Order Clerks	155	140	-1.0
Postal Service Mail Sorters, Processors & Machine Operators	185	170	-0.8
Cooks, Fast Food	785	740	-0.6
Computer Operators	635	595	-0.6
Cooks, Institution & Cafeteria	725	680	-0.6
Animal Trainers	345	325	-0.6
Switchboard Operators, Including Answering Service	200	190	-0.5
Nonfarm Animal Caretakers	445	425	-0.4
Stock Clerks & Order Fillers	1,675	1,635	-0.2
Postal Service Mail Carriers	420	415	-0.2
Parts Salespersons	265	260	-0.2
Highway Maintenance Workers	280	275	-0.2

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The Region 1 economy is expected to generate 20,700 jobs which includes new jobs and replacements between the years 2002 and 2012. This will result in 7,600 annual job openings for the area. The Region 1 growth rate of 8.9% is lower than the state projected rate of 13.5%. Services and the health care 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 1 — Occupations With Largest Total Annual Openings By Education Level

Less Than High School

Estimated Annual Openings 2002-2012	Occupational Title	IWD Region 1 2005 Average Hourly Wage
535	Retail Salespersons	\$10.28
265	Cashiers	7.26
280	Office Clerks, General	10.18
460	Packaging & Filling Machine Operators & Tenders	12.81
205	Laborers & Freight, Stock & Material Movers	11.01
345	Industrial Truck & Tractor Operators	11.97
285	Meat, Poultry & Fish Cutters & Trimmers	NS
260	Food Batchmakers	NS
100	Waiters & Waitresses	6.50
330	Janitors & Cleaners	9.09
230	Packers & Packagers, Hand	8.70
145	Food Preparation & Serving Workers	7.05
NS - Not surveyed		



Postsecondary Education/Training

Estimated Annual Openings 2002-2012	Occupational Title	IWD Region 1 2005 Average Hourly Wage
160	Supervisors/Managers of Production & Operating Workers	\$10.81
155	Butchers & Meat Cutters	10.69
80	Registered Nurses	19.09
80	Telecommunications Equipment Installers & Repairers, except Line Installer	18.47
50	Separating, Filtering, Clarifying, Precipitating & Still Machine Setters, Operators & Tenders	9.24
45	Supervisors/Managers of Retail Sales Workers	15.71
45	Supervisors/Managers of Office & Administrative Support Workers	18.26
45	Supervisors/Managers of Mechanics, Installers & Repairers	21.75
45	Inspectors, Testers, Sorters, Samplers & Weighers	14.29
40	Welders, Cutters, Solderers & Brazers	13.28
35	Industrial Machinery Mechanics	14.97

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.

Estimated Annual Openings 2002-2012	Occupational Title	IWD Region 1 2005 Average Hourly Wage
685	Slaughterers & Meat Packers	NS
220	Team Assemblers	\$11.95
130	Customer Service Representatives	12.50
125	Maintenance & Repair Workers, General	14.37
115	Truck Drivers, Heavy & Tractor-Trailer	15.65
95	Sales Reps. Whsl. & Mfg. except Technical & Scientific Products	20.87
80	Bookkeeping, Accounting & Auditing Clerks	12.52
45	Sewing Machine Operators	NS
40	Advertising Sales Agents	14.82
35	Executive Secretaries & Administrative Assistants	13.59
35	Secretaries, Except Legal, Medical & Executive	10.63
35	Data Entry Keyers	10.25
NS - Not surveyed		

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

Bachelor's Degree or Above



Estimated Annual Openings 2002-2012	Occupational Title	IWD Region 1 2005 Average Hourly Wage
65	General & Operations Managers	\$32.05
45	Elementary School Teachers, except Special Ed.	30,406*
45	Secondary School Teachers, except Special & Vocational Ed.	35,924*
35	Editors	NS
30	Industrial Production Managers	27.46
30	Accountants & Auditors	23.63
30	Computer Programmers	25.92
25	Farm, Ranch & Other Agricultural Managers	NS
25	Computer Systems Analysts	29.73
20	Financial Analysts	22.21
20	Graphic Designers	18.17
20	News Analysts, Reporters & Correspondents	NS
*Average annual wage		
NS - Not surveyed		