

# Growing and Declining Occupations

## Growing Occupations

Occupational Title	2002 Estimated Employment	2012 Projected Employment	Annual Growth Rate (%)
Medical Assistants	2,115	3,120	4.8
Network Systems & Data Communications Analysts	1,465	2,090	4.3
Medical Records & Health Information Technicians	1,880	2,635	4.0
Database Administrators	670	935	4.0
Computer Software Engineers, Applications	2,240	3,115	3.9
Physician Assistants	705	980	3.9
Home Health Aides	6,940	9,580	3.8
Set & Exhibit Designers	240	330	3.8
Social & Human Service Assistants	5,950	8,175	3.7
Physical Therapist Assistants	620	850	3.7
Computer Systems Analysts	5,135	6,955	3.5
Personal & Home Care Aides	6,360	8,595	3.5
Philosophy & Religion Teachers, Postsecondary	305	410	3.4
Mental Health & Substance Abuse Social Workers	645	865	3.4
Self-Enrichment Education Teachers	2,160	2,895	3.4
Physical Therapist Aides	445	595	3.4
Sales Managers	2,985	3,970	3.3
Residential Advisors	700	930	3.3
Computer & Information Systems Managers	2,380	3,155	3.3
Computer Software Engineers, Systems Software	2,120	2,810	3.3

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

Occupation Title	2002 Estimated Employment	2012 Projected Employment	Annual Growth Rate (%)
Word Processors & Typists	2,250	1,740	-2.3
Electrical & Electronic Equipment Assemblers	2,755	2,305	-1.6
Loan Interviewers & Clerks	1,260	1,100	-1.3
Computer Operators	2,510	2,195	-1.3
Postal Service Mail Sorters, Processors & Machine Operators	3,050	2,670	-1.2
Travel Agents	620	545	-1.2
Farmers & Ranchers	90,055	79,710	-1.1
Meter Readers, Utilities	765	680	-1.1
Order Clerks	2,530	2,285	-1.0
Coil Winders, Tapers & Finishers	375	340	-0.9
Prepress Technicians & Workers	1,230	1,125	-0.9
Locomotive Engineers	850	780	-0.8
Announcers	1,295	1,200	-0.7
Procurement Clerks	615	575	-0.7
Credit Authorizers, Checkers & Clerks	985	925	-0.6
Electrical Power-Line Installers & Repairers	1,400	1,320	-0.6
Bindery Workers	1,160	1,100	-0.5
Railroad Conductors & Yardmasters	685	650	-0.5

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.

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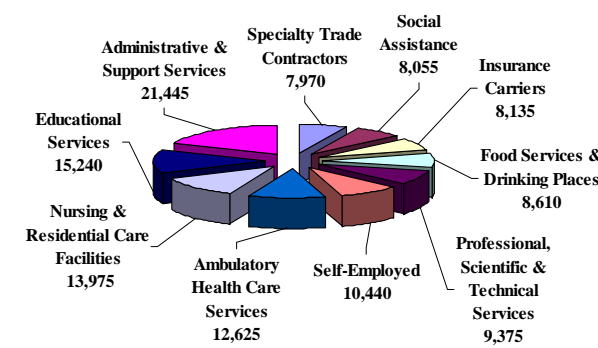
2012

# Statewide Iowa Job Outlook

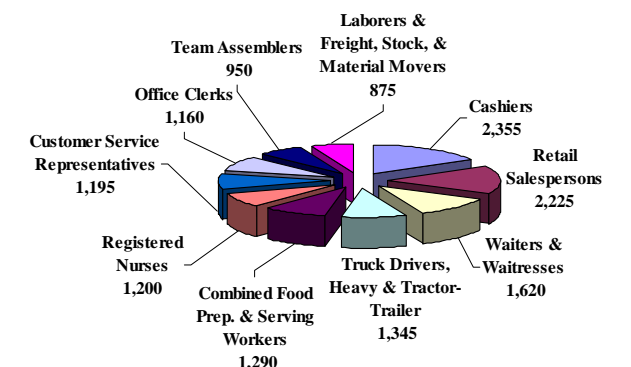
The 2012 Job Outlook presents a summary of information about the Iowa job market and economy for ten years from 2002 to 2012. Graphs and tables depict information on industries and occupations that will impact our state's economic outlook through the year 2012. Detailed information for industry and occupational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



Industries with the Most Openings  
2002-2012



Occupations with the Most Annual Openings  
2002-2012



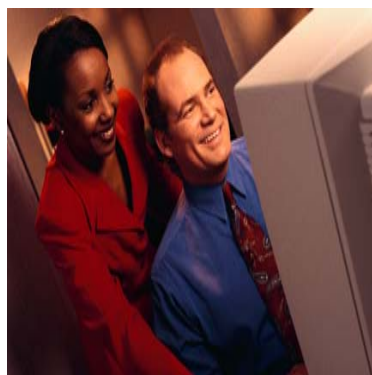
The Iowa economy is expected to generate 220,500 jobs which includes new jobs and replacements between the years 2002 and 2012. This will result in 60,600 annual new jobs for Iowa. The state's projected rate of growth is 13.5%. Health care and the service industries are expected to be the leaders in 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.

# Iowa — Occupations With Largest Total Annual Openings By Education Level

## Less Than High School

Estimated Annual Openings 2002-2012	Occupational Title	Iowa 2005 Average Hourly Wage
2,355	Cashiers	\$7.60
2,225	Retail Salespersons	10.29
1,620	Waiters & Waitresses	6.84
1,290	Food Preparation & Serving Workers	7.06
1,160	Office Clerks, General	10.97
875	Laborers & Freight, Stock & Material Movers	10.79
825	Janitors & Cleaners	9.76
715	Child Care Workers	7.86
650	Nursing Aides, Orderlies & Attendants	10.65
640	Stock Clerks & Order Fillers	10.06
635	Food Preparation Workers	7.98
510	Teacher Assistants	17,322*

\*Average annual wage



## Postsecondary Education/Training

Estimated Annual Openings 2002-2012	Occupational Title	Iowa 2005 Average Hourly Wage
1,200	Registered Nurses	\$21.42
760	Supervisors/Managers of Retail Sales Workers	16.89
460	Automotive Service Technicians & Mechanics	14.32
425	Supervisors/Managers of Production & Operating Workers	22.70
415	Supervisors/Managers of Office & Administrative Support Workers	19.81
355	Carpenters	16.11
345	Welders, Cutters, Solderers & Brazers	14.88
325	Cooks, Restaurant	8.88
300	Electricians	19.29
280	Supervisors/Managers of Food Preparation & Serving Workers	12.62
255	Supervisors/Managers of Non-Retail Sales Workers	28.37
250	Licensed Practical & Licensed Vocational Nurses	15.22
230	Supervisors/Managers of Mechanics, Installers & Repairers	23.43
225	Hairdressers, Hairstylists & Cosmetologists	11.02
210	Plumbers, Pipefitters & Steamfitters	18.93

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	Iowa 2005 Average Hourly Wage
1,345	Truck Drivers, Heavy & Tractor-Trailer	\$15.58
1,195	Customer Service Representatives	12.73
950	Team Assemblers	12.86
595	Bookkeeping, Accounting & Auditing Clerks	13.00
545	Sales Reps. Whsl. & Mfg. except Technical & Scientific Products	24.57
480	Maintenance & Repair Workers, General	15.28
450	Slaughterers & Meat Packers	11.85
435	Secretaries, except Legal, Medical & Executive	12.21
325	Social & Human Service Assistants	12.39
325	Executive Secretaries & Administrative Assistants	15.99
265	Construction Laborers	14.39
260	Cooks, Institution & Cafeteria	9.36



## Bachelor Degree or Above

Estimated Annual Openings 2002-2012	Occupational Title	Iowa 2005 Average Hourly Wage
615	General & Operations Managers	\$40.04
550	Secondary School Teachers, except Special & Vocational Ed.	35,482*
500	Elementary School Teachers, except Special Ed.	35,067*
360	Accountants & Auditors	25.15
260	Insurance Sales Agents	22.50
240	Computer Systems Analysts	29.74
190	Medical & Health Services Managers	29.26
190	Recreation Workers	9.79
180	Middle School Teachers, except Special & Vocational Ed.	35,797*
175	Financial Managers	41.68
155	Sales Managers	39.77
140	Lawyers	42.31
140	Management Analysts	29.42

\*Average annual wage