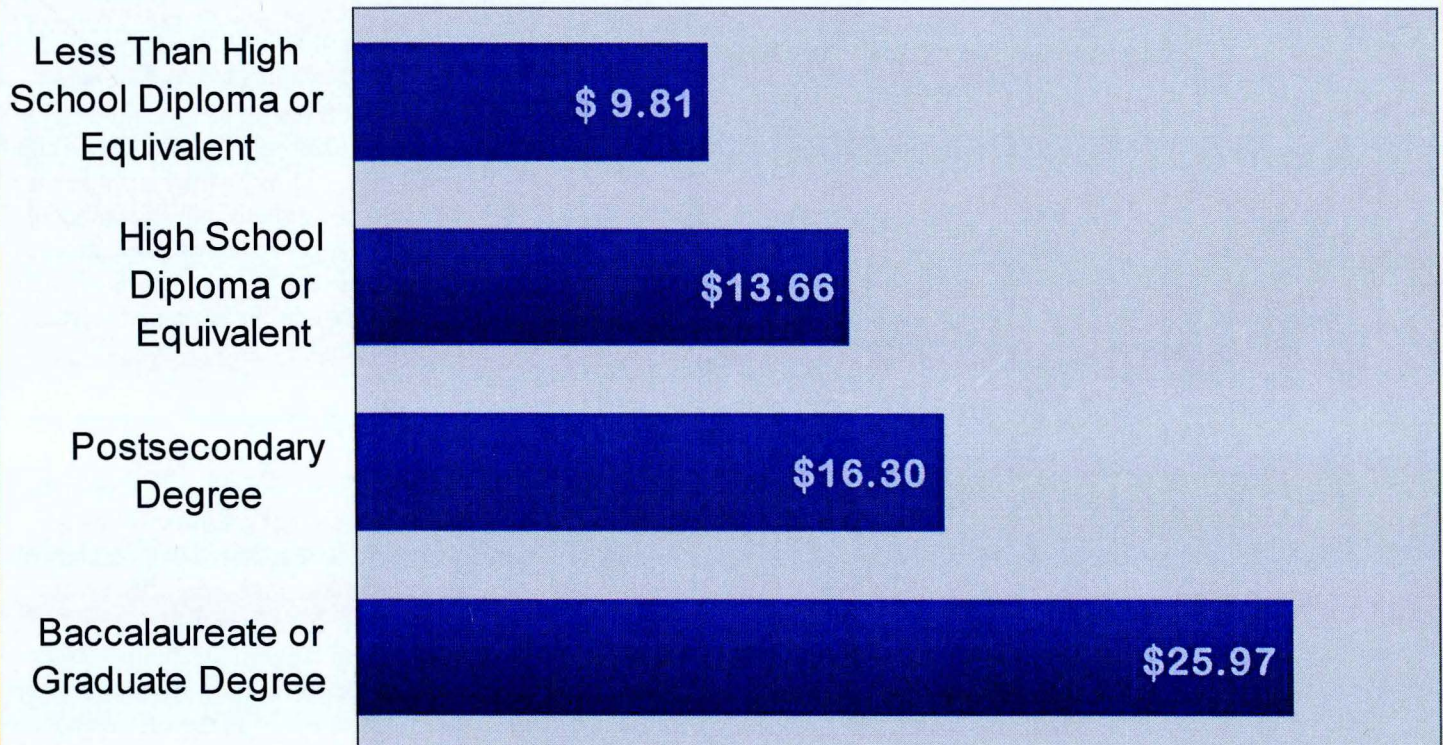


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Iowa Job Outlook 2010

Higher Education Means Greater Earning Potential

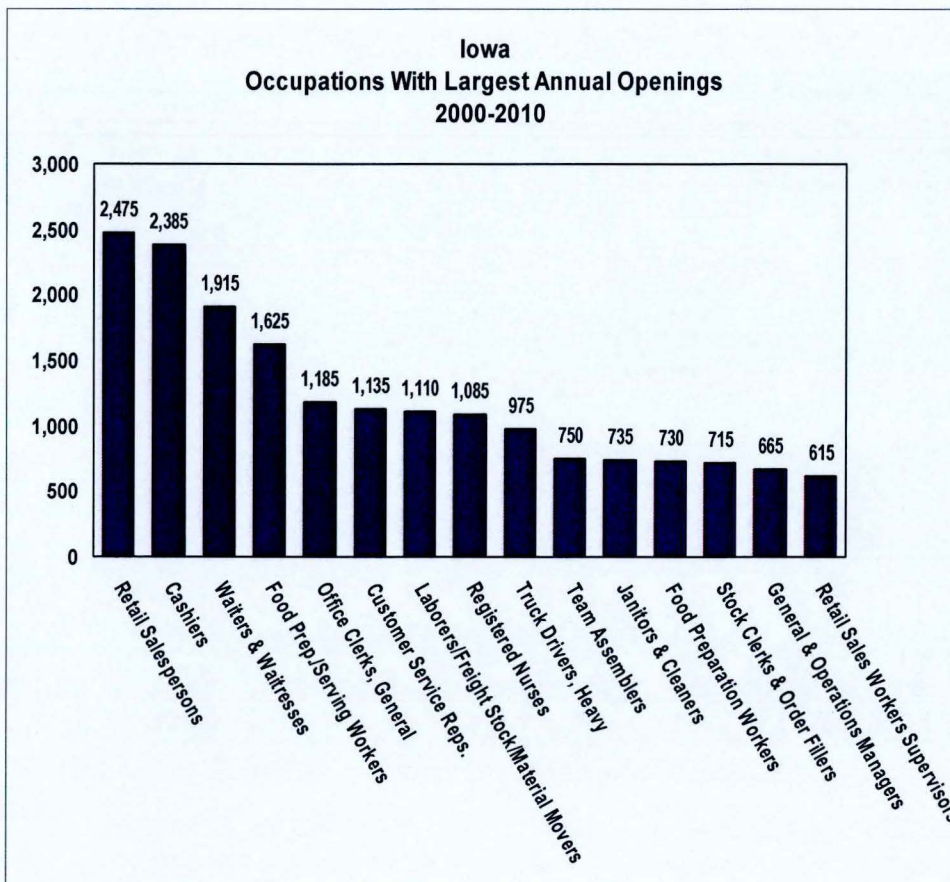
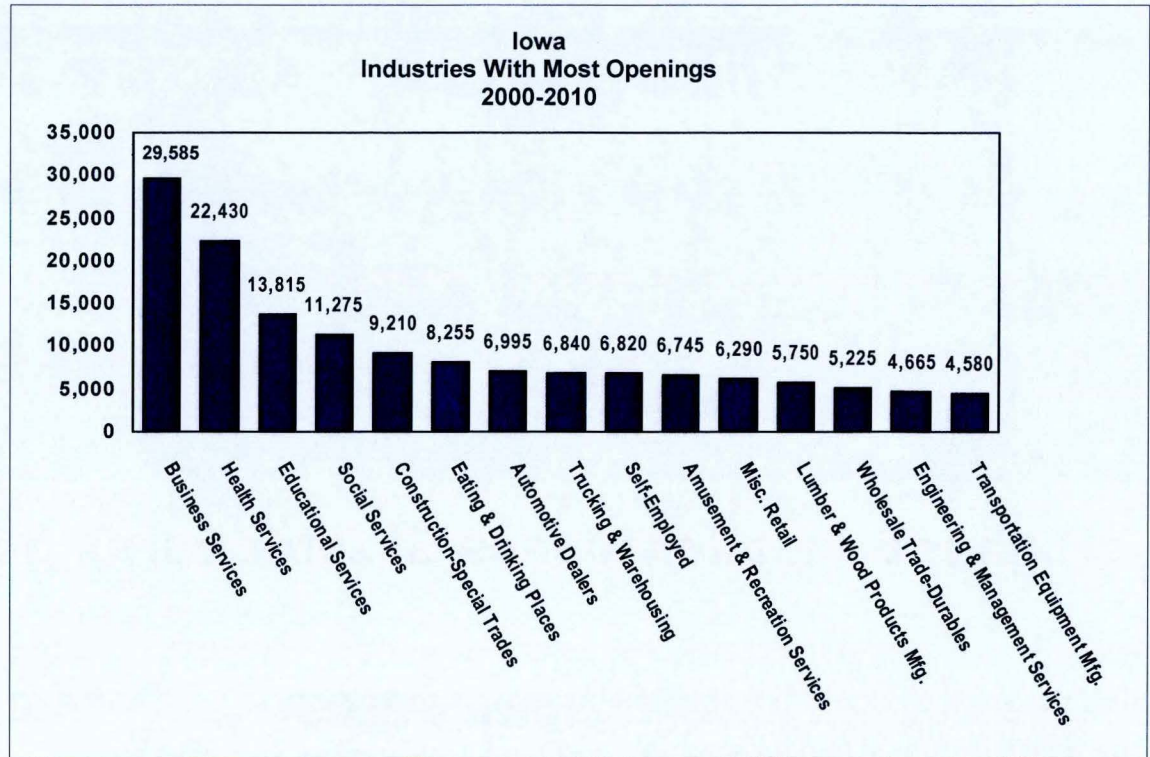
Iowa's 2003 Mean Hourly Wages by Education Levels



Labor Market and Economic Research Bureau
Iowa Workforce Development

Iowa Job Outlook 2010: Statewide

The top 15 industries expected to create the most jobs during the 2000-2010 time period are primarily in the services and trade industries. The 15 industries shown on the right will create 148,500 of the 192,100 jobs Iowa's economy is expected to generate over the period.



Between 2000 and 2010, Iowa's economy is expected to generate 58,500 job openings annually. Thirty-three percent of the openings will be new jobs, which represent an 11 percent growth rate as compared to a 15 percent growth rate nationally. Thirteen percent of Iowa's new jobs will be in the sales and related occupations.

A larger percentage of job openings will occur to replace workers who leave existing jobs due to retirement, death or similar reasons that cause workers to leave the labor force on a more permanent basis. Fifteen occupations will comprise 31 percent of the total job openings annually for Iowa. One-fourth of the occupations are concentrated in the office and administrative support and sales occupations; the remaining are spread across most major occupational groups.

The following pages detail by level of education the occupations with the most annual job openings. Skills listed are shown in order of frequency for each level, with the most frequently needed skills in the left column.

LESS THAN HIGH SCHOOL DIPLOMA OR EQUIVALENT
Short-term on-the-job training

Occupation Title	Estimated Annual Job Openings 2000-2010	Iowa 2003 Mean Hourly Wage
Retail Salespersons	2,475	\$10.25
Cashiers	2,385	7.36
Waiters & Waitresses	1,915	6.75
Combined Food Preparation & Serving Workers, Including Fast Food	1,625	7.04
Office Clerks, General	1,185	10.70
Laborers & Freight, Stock, & Material Movers, Hand	1,110	10.66
Janitors & Cleaners, Except Maids & Housekeeping Cleaners	735	9.60
Food Preparation Workers	730	7.95
Stock Clerks & Order Fillers	715	9.68
Teacher Assistants	580	17,446*
Telemarketers	565	8.87
Child Care Workers	560	7.35
Packers & Packagers, Hand	510	8.97
Nursing Aides, Orderlies, & Attendants	505	9.85
Counter Attendants, Cafeteria, Food Concession, & Coffee Shop	505	7.02
Maids & Housekeeping Cleaners	450	8.14
Receptionists & Information Clerks	450	10.00
Truck Drivers, Light or Delivery Services	395	12.49
Landscaping & Groundskeeping Workers	385	9.72
Tellers	340	9.71
Bartenders	325	7.39
Counter & Rental Clerks	295	8.39
Security Guards	290	9.58
Home Health Aides	260	9.04
Personal & Home Care Aides	245	8.62

*Annual mean wage

IOWA
HIGH SCHOOL DIPLOMA OR EQUIVALENT PREFERRED
Moderate-term on-the-job training

Occupation Title	Estimated Annual Job Openings 2000-2010	Iowa 2003 Mean Hourly Wage
Customer Service Representatives	1,135	\$11.99
Truck Drivers, Heavy & Tractor-Trailer	975	15.45
Team Assemblers	750	13.39
Bookkeeping, Accounting, & Auditing Clerks	540	12.25
Sales Representatives, Wholesale & Manufacturing, Except Techni- cal & Scientific Products	395	22.79
Secretaries, Except Legal, Medical, & Executive	380	11.83
Social & Human Service Assistants	290	11.59
Slaughterers & Meat Packers	250	10.66
Executive Secretaries & Administrative Assistants	245	14.93
Construction Laborers	235	12.98
Medical Assistants	210	11.33
Demonstrators & Product Promoters	195	13.16
Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	160	25.53
Pharmacy Technicians	145	10.56
Inspectors, Testers, Sorters, Samplers, & Weighers	135	14.95
Correctional Officers & Jailers	125	16.17
Sheet Metal Workers	125	18.46
First-Line Supervisors/Managers of Farming, Fishing, & Forestry Workers	120	22.28
Operating Engineers & Other Construction Equipment Operators	120	16.35
Painters, Construction & Maintenance	120	13.90
Agricultural Equipment Operators	110	11.06
Parts Salespersons	100	12.91
Fiberglass Laminators & Fabricators	100	13.02
Laundry & Dry-Cleaning Workers	100	8.63
Dental Assistants	95	12.96

**IOWA
POSTSECONDARY DEGREE**

Long-term on-the-job training or work experience in a related occupation

Occupation Title	Estimated Annual Job Openings 2000-2010	Iowa 2003 Mean Hourly Wage
Registered Nurses	1,085	\$19.68
First-Line Supervisors/Managers of Retail Sales Workers	615	15.43
First-Line Supervisors/Managers of Office & Administrative Support Workers	470	17.78
Automotive Service Technicians & Mechanics	440	13.84
Welders, Cutters, Solderers, & Brazers	425	14.24
First-Line Supervisors/Managers of Production & Operating Workers	395	21.34
Computer Support Specialists	390	18.00
Carpenters	390	15.08
Electricians	355	19.32
First-Line Supervisors/Managers of Construction Trades & Extraction Workers	305	21.08
Cooks, Restaurant	295	8.68
Licensed Practical & Licensed Vocational Nurses	275	13.99
Cooks, Institution & Cafeteria	275	8.93
First-Line Supervisors/Managers of Food Preparation & Serving Workers	260	11.73
Maintenance & Repair Workers, General	245	14.61
First-Line Supervisors/Managers of Mechanics, Installers, & Repairers	230	21.72
Machinists	205	14.53
Hairdressers, Hairstylists, & Cosmetologists	195	10.32
Plumbers, Pipefitters, & Steamfitters	185	19.06
Police & Sheriff's Patrol Officers	170	18.72
Bus & Truck Mechanics & Diesel Engine Specialists	170	15.04
Butchers & Meat Cutters	130	11.75
Medical Records & Health Information Technicians	125	11.66
First-Line Supervisors/Managers of Transportation & Material-Moving Machine & Vehicle Operators	125	20.51

IOWA
BACHELOR OR GRADUATE DEGREE

Occupation Title	Estimated Annual Job Openings 2000-2010	Iowa 2003 Mean Hourly Wage
General & Operations Managers	665	\$34.91
Secondary School Teachers, Except Special & Vocational Education	565	36,325*
Elementary School Teachers, Except Special Education	485	34,448*
Middle School Teachers, Except Special & Vocational Education	355	35,992*
Accountants & Auditors	285	22.49
Chief Executives	240	56.92
Computer Software Engineers, Applications	220	31.77
Computer & Information Systems Managers	180	36.62
Financial Managers	180	34.89
Insurance Sales Agents	180	21.79
Sales Managers	175	32.73
Computer Systems Analysts	160	28.54
Pharmacists	160	35.38
Farm, Ranch, & Other Agricultural Managers	155	30.95
Recreation Workers	155	8.99
Medical & Health Services Managers	150	27.43
Computer Software Engineers, Systems Software	145	NS
Administrative Services Managers	135	27.72
Computer Programmers	130	25.30
Network & Computer Systems Administrators	130	24.29
Educational, Vocational, & School Counselors	95	19.21
Preschool Teachers, Except Special Education	95	9.21
Training & Development Specialists	90	19.62
Mechanical Engineers	90	28.04
Education Administrators, Elementary & Secondary School	85	68,093*

*Annual mean wage

NS- Not surveyed

**IOWA STATEWIDE OCCUPATIONAL PROJECTIONS: 2000-2010
FASTEST GROWING OCCUPATIONS**

Occupation Title	Employment 2000	Employment 2010	Growth Rate (%)
Computer Software Engineers, Applications	2,505	4,550	8.2
Computer Support Specialists	4,555	8,255	8.1
Network Systems & Data Communications Analysts	935	1,640	7.5
Network & Computer Systems Administrators	1,670	2,890	7.3
Computer Software Engineers, Systems Software	2,285	3,595	5.7
Database Administrators	705	1,075	5.2
Desktop Publishers	470	695	4.8
Physician Assistants	730	1,070	4.7
Personal & Home Care Aides	3,965	5,815	4.7
Computer Systems Analysts	3,045	4,390	4.4
Computer & Information Systems Managers	3,015	4,325	4.4
Aircraft Cargo Handling Supervisors	130	185	4.2
Medical Records & Health Information Technicians	1,930	2,745	4.2
Gaming Change Persons & Booth Cashiers	510	725	4.2
Massage Therapists	720	1,020	4.2
Marriage & Family Therapists	665	940	4.1
Sheet Metal Workers	2,055	2,895	4.1
Woodworking Machine Setters, Operators, & Tenders, Except Sawing	1,095	1,545	4.1
Medical Assistants	3,165	4,420	4.0
Sawing Machine Setters, Operators, & Tenders, Wood	845	1,180	4.0
Pharmacy Technicians	2,215	3,085	4.0
Physical Therapist Assistants	570	795	3.9
Recreational Vehicle Service Technicians	115	160	3.9
Gaming Dealers	1,415	1,960	3.9

**IOWA STATEWIDE OCCUPATIONAL PROJECTIONS: 2000-2010
DECLINING OCCUPATIONS**

Occupational Title	Base Year 2000	Projected Year 2010	Annual Growth Rate (%)
Railroad Brake, Signal, & Switch Operators	420	190	-5.5
Telephone Operators	815	600	-2.6
Switchboard Operators, Including Answering Service	1,990	1,490	-2.5
Order Clerks	3,320	2,580	-2.2
Meter Readers, Utilities	760	590	-2.2
Word Processors & Typists	2,530	1,975	-2.2
Eligibility Interviewers, Government Programs	1,070	835	-2.2
Computer Operators	2,805	2,240	-2.0
Insurance Claims & Policy Processing Clerks	2,435	2,000	-1.8
Prepress Technicians & Workers	1,245	1,050	-1.6
Electronic Home Entertainment Equipment Installers & Repairers	425	365	-1.4
Dishwashers	5,275	4,535	-1.4
Photographic Process Workers	330	285	-1.4
Proofreaders & Copy Markers	295	255	-1.4
Office Machine Operators, Except Computer	1,370	1,185	-1.4
Tool Grinders, Filers, & Sharpeners	455	395	-1.3
Judges, Magistrate Judges, & Magistrates	345	300	-1.3
Electrical & Electronic Equipment Assemblers	2,610	2,280	-1.3
Graders & Sorters, Agricultural Products	1,555	1,360	-1.2
Numerical Tool & Process Control Programmers	795	700	-1.2
Announcers	1,400	1,235	-1.2
Procurement Clerks	660	585	-1.1
Farmworkers, Farm & Ranch Animals	3,745	3,325	-1.1
Cleaning, Washing, & Metal Pickling Equipment Operators & Tenders	360	320	-1.1
Dining Room & Cafeteria Attendants & Bartender Helpers	2,325	2,090	-1.0

Key Points of the 2000-2010 Job Outlook

The **Job Outlook** is one resource for highlighting the growth of Iowa's occupations and industries. It shows which occupations exhibit growth potential and areas where trained individuals may be needed. In addition, information is provided on occupations that may be declining. It would be unwise to devote training time and dollars to occupations in this situation.

This publication provides the most significant source of education or training needed by workers to become fully qualified for an occupation based on information furnished by the Bureau of Labor Statistics. However, individual company requirements may vary.

The **Job Outlook** can assist career planners by providing information on the future occupational potential for both the state and Workforce Development regions. This information can be used to assess the possibility of employment in specific occupations upon completion of the appropriate education and training. In addition, the information can help substantiate the need for career-based training and education programs by review of projected openings and growth.

Occupations requiring less education can provide fundamental basic work skills required by employers.

For the time period 2000-2010, 58 percent of all jobs in Iowa will require postsecondary education or above.

The more education and skills obtained the wider the range of career options and the greater the earning potential. When comparing Iowa's average mean hourly wages, individuals with less than a high school education will earn \$9.81 per hour, which is 72 percent of the \$13.66 per hour earned by individuals who complete high school or its equivalent. The same group will earn 61 percent of the \$16.30 per hour earned by those who complete postsecondary education, and will earn a meager 38 percent of the \$25.97 per hour wage of baccalaureate and graduate degreed people.

For More Information

Occupations The Standard Occupational Classification Manual (SOC) is the resource used to prepare these data. This resource was created by the Executive Office of the President, Office of Management and Budget and contains a brief description of the occupations and examples.

Detailed tables of **Iowa Occupational Employment Projections** for all industries and occupations for the State of Iowa and the Workforce Development regions are available from Iowa Workforce Development on the Internet at www.iowaworkforce.org/lmi or call (515) 242-5862.

Detailed occupational wage data for the state of Iowa, eight metropolitan statistical areas, sixteen Workforce Development regions, counties, and statewide wages by industry are available in the **Iowa Wage Survey** report from Iowa Workforce Development via the Internet at www.iowaworkforce.org/lmi or call (515) 281-5867.

OES employment and wage estimates for other states, metropolitan statistical areas and the nation are reported on the Bureau of Labor Statistics, U.S. Department of Labor's Internet page www.bls.gov/bls/blswage.htm

Additional labor market information resources can be accessed on the Internet at www.iowaworkforce.org/lmi .
E-mail may be sent to iwd.lmi@iwd.state.ia.us



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