

FUTURE READY IOWA - LAST-DOLLAR SCHOLARSHIP OCCUPATIONS (2018)

OCCUPATION	ANNUAL OPENINGS ¹	ANNUAL GROWTH RATE (%) ¹	2017 ENTRY-LEVEL HOURLY WAGE ²	2017 MEDIAN HOURLY WAGE ²
HEALTHCARE & BIOSCIENCES	5,020	1.4		
Registered Nurses	2,270	1.4	\$ 20.70	\$ 26.59
Licensed Practical and Licensed Vocational Nurses	590	0.9	\$ 16.40	\$ 19.47
Dental Assistants	400	1.7	\$ 15.45	\$ 18.96
Dental Hygienists	180	1.7	\$ 27.46	\$ 33.77
Emergency Medical Technicians and Paramedics	180	1.1	\$ 11.11	\$ 15.41
Radiologic Technologists	160	1.1	\$ 18.55	\$ 23.94
Physical Therapist Assistants	145	3.0	\$ 16.58	\$ 22.30
Agricultural and Food Science Technicians	140	1.3	\$ 14.38	\$ 20.63
Life, Physical, and Social Science Technicians, All Other	140	1.2	\$ 16.11	\$ 23.68
Health Technologists and Technicians, All Other	120	1.3	\$ 14.50	\$ 19.24
Medical and Clinical Laboratory Technicians	105	1.0	\$ 14.70	\$ 19.94
Medical and Clinical Laboratory Technologists	105	1.0	\$ 19.76	\$ 26.72
Biological Technicians	95	1.3	\$ 14.24	\$ 18.73
Occupational Therapy Assistants	70	3.1	\$ 21.01	\$ 26.70
Respiratory Therapists	70	2.4	\$ 20.49	\$ 24.39
Surgical Technologists	65	0.9	\$ 15.83	\$ 18.94
Chemical Technicians	60	1.3	\$ 15.25	\$ 19.56
Environmental Science and Protection Technicians, Including Health	55	1.6	\$ 15.30	\$ 21.72
Diagnostic Medical Sonographers	45	2.3	\$ 23.80	\$ 30.15
Cardiovascular Technologists and Technicians	25	1.0	\$ 14.42	\$ 23.15
CONSTRUCTION & ENGINEERING	4,630	1.3		
Carpenters	1,125	1.1	\$ 14.06	\$ 19.06
Electricians	1,025	1.3	\$ 16.06	\$ 24.93
Plumbers, Pipefitters, and Steamfitters	860	1.8	\$ 14.97	\$ 22.87
Operating Engineers and Other Construction Equipment Operators	685	1.2	\$ 15.62	\$ 21.69
Sheet Metal Workers	240	1.5	\$ 14.63	\$ 21.14
Structural Iron and Steel Workers	115	1.6	\$ 18.15	\$ 26.28
Electrical and Electronics Engineering Technicians	105	0.5	\$ 19.16	\$ 28.41
Engineering Technicians, Except Drafters, All Other	105	1.0	\$ 19.70	\$ 26.07
Pipelayers	100	1.3	\$ 15.10	\$ 22.73
Architectural and Civil Drafters	90	1.4	\$ 16.70	\$ 22.81
Civil Engineering Technicians	90	1.1	\$ 16.30	\$ 25.25
Mechanical Drafters	90	1.0	\$ 16.13	\$ 22.11
ADVANCED MANUFACTURING PRODUCTION, INSTALLATION & MAINTENANCE	3,895	1.0		
Welders, Cutters, Solderers, and Brazers	1,070	0.9	\$ 13.87	\$ 17.42
Industrial Machinery Mechanics	515	1.2	\$ 17.23	\$ 23.33
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	445	1.9	\$ 16.04	\$ 23.36
Computer-Controlled Machine Tool Operators, Metal and Plastic	305	0.8	\$ 15.16	\$ 17.85
Farm Equipment Mechanics and Service Technicians	255	0.8	\$ 14.38	\$ 18.41
Mobile Heavy Equipment Mechanics, Except Engines	230	0.8	\$ 16.21	\$ 22.85
Maintenance Workers, Machinery	165	1.3	\$ 15.24	\$ 20.43
Electrical Power-Line Installers and Repairers	155	0.9	\$ 20.11	\$ 32.11
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	145	-0.3	\$ 14.67	\$ 17.55
Engine and Other Machine Assemblers	110	-1.1	\$ 15.60	\$ 19.19
Millwrights	110	1.5	\$ 18.97	\$ 25.94
Telecommunications Line Installers and Repairers	110	0.6	\$ 14.37	\$ 20.82
Tool and Die Makers	100	-0.3	\$ 18.44	\$ 23.31
Wind Turbine Service Technicians	75	7.8	\$ 18.15	\$ 28.95
Plant and System Operators, All Other	60	1.2	\$ 15.82	\$ 21.93
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	45	2.5	\$ 15.86	\$ 20.68
INFORMATION TECHNOLOGY	1,880	1.1		
Computer Systems Analysts	505	1.5	\$ 27.03	\$ 38.06
Computer User Support Specialists	450	1.6	\$ 14.26	\$ 20.63
Network and Computer Systems Administrators	250	0.8	\$ 23.41	\$ 32.29
Computer Occupations, All Other	215	1.3	\$ 20.88	\$ 33.89
Computer Programmers	195	-0.3	\$ 22.87	\$ 32.31
Computer Network Support Specialists	170	1.3	\$ 19.00	\$ 25.60
Web Developers	95	1.6	\$ 15.00	\$ 22.05

FUTURE READY IOWA - IOWA GRANT OCCUPATIONS (2018)

OCCUPATION	ANNUAL OPENINGS ¹	ANNUAL GROWTH RATE (%) ¹	2017 ENTRY-LEVEL HOURLY WAGE ²	2017 MEDIAN HOURLY WAGE ²
MANAGEMENT, BUSINESS, & FINANCIAL	6,345	1.6		
Accountants and Auditors	1,395	1.4	\$ 19.66	\$ 28.49
Business Operations Specialists, All Other	1,215	1.2	\$ 17.52	\$ 28.20
Financial Specialists, All Other	690	2.1	\$ 18.65	\$ 27.47
Loan Officers	630	2.8	\$ 19.33	\$ 30.86
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	420	0.4	\$ 18.31	\$ 31.95
Securities, Commodities, and Financial Services Sales Agents	385	2.0	\$ 15.65	\$ 26.36
Market Research Analysts and Marketing Specialists	355	2.5	\$ 17.33	\$ 26.03
Construction Managers	315	1.4	\$ 23.28	\$ 34.67
Cost Estimators	250	1.2	\$ 18.55	\$ 27.84
Financial Analysts	210	1.8	\$ 24.46	\$ 34.84
Personal Financial Advisors	195	2.6	\$ 19.79	\$ 30.55
Credit Analysts	115	2.0	\$ 19.29	\$ 29.96
Logisticians	100	1.0	\$ 19.22	\$ 28.24
Financial Examiners	70	2.1	\$ 22.54	\$ 33.09
HEALTHCARE & BIOSCIENCES	3,945	1.6		
Registered Nurses	2,270	1.4	\$ 20.70	\$ 26.59
Social Workers, All Other	360	1.8	\$ 18.28	\$ 30.39
Educational, Guidance, School, and Vocational Counselors	325	1.3	\$ 16.31	\$ 24.18
Healthcare Social Workers	200	2.1	\$ 15.55	\$ 21.55
Mental Health and Substance Abuse Social Workers	180	2.2	\$ 15.12	\$ 19.62
Mental Health Counselors	125	2.3	\$ 14.12	\$ 18.92
Agricultural Inspectors	100	0.3	\$ 15.85	\$ 23.73
Biological Technicians	95	1.3	\$ 14.24	\$ 18.73
Nurse Practitioners	95	3.3	\$ 38.60	\$ 46.16
Physician Assistants	75	3.2	\$ 34.81	\$ 47.65
Occupational Therapists	70	2.4	\$ 28.52	\$ 35.63
Marriage and Family Therapists	50	2.6	\$ 19.28	\$ 24.82
EDUCATION	4,855	0.7		
Elementary School Teachers, Except Special Education	1,715	0.7	\$ 37,888*	\$ 52,567
Secondary School Teachers, Except Special and Career/Technical Education	1,095	0.7	\$ 38,966*	\$ 54,287
Middle School Teachers, Except Special and Career/Technical Education	900	0.7	\$ 40,505*	\$ 56,678
Special Education Teachers, Preschool	225	0.7	\$ 43,351*	\$ 62,136
Kindergarten Teachers, Except Special Education	180	0.7	\$ 36,964*	\$ 50,244
Special Education Teachers, Secondary School	155	0.7	\$ 41,967*	\$ 55,481
Special Education Teachers, Middle School	135	0.7	\$ 44,684*	\$ 61,464
Special Education Teachers, Kindergarten and Elementary School	135	0.7	\$ 40,168*	\$ 53,276
Special Education Teachers, All Other	115	0.9	\$ 40,065*	\$ 63,205
Vocational Education Teachers, Postsecondary	95	0.1	\$ 15.63*	\$ 25.07
Career/Technical Education Teachers, Secondary School	85	0.6	\$ 39,208*	\$ 52,773
Career/Technical Education Teachers, Middle School	20	0.6	\$ 43,645*	\$ 48,507
INFORMATION TECHNOLOGY & MATHEMATICS	2,390	1.4		
Computer Systems Analysts	505	1.5	\$ 27.03	\$ 38.06
Computer User Support Specialists	450	1.6	\$ 14.26	\$ 20.63
Software Developers, Applications	395	2.3	\$ 27.82	\$ 40.44
Network and Computer Systems Administrators	250	0.8	\$ 23.41	\$ 32.29
Computer Occupations, All Other	215	1.3	\$ 20.88	\$ 33.89
Computer Programmers	195	-0.3	\$ 22.87	\$ 32.31
Computer Network Support Specialists	170	1.3	\$ 19.00	\$ 25.60
Database Administrators	75	1.8	\$ 26.74	\$ 40.84
Operations Research Analysts	75	3.9	\$ 25.30	\$ 36.80
Actuaries	60	3.3	\$ 29.58	\$ 43.56
ENGINEERING	565	1.5		
Industrial Engineers	220	1.8	\$ 26.94	\$ 35.48
Mechanical Engineers	195	1.4	\$ 24.79	\$ 34.20
Electrical Engineers	105	1.3	\$ 30.42	\$ 41.79
Agricultural Engineers	25	1.0	\$ 31.87	\$ 42.71
Computer Hardware Engineers	20	1.1	\$ 31.38	\$ 46.31

Last-Dollar Scholarship Occupation List Criteria:

More than a High School Diploma/Equivalent but Less than a Bachelor's Degree

- Sorted by number of estimated annual openings (between 2016 and 2026) within each occupational grouping. This identifies occupations which are projected to have the largest number of open jobs.
- Included are the top 20 occupations with the highest projected annual job openings and the top 20 occupations with the highest projected annual growth rate that meet the below criteria.
 - Entry-level wage of \$14.00 or higher
 - Doesn't typically require work experience for entry
 - 33.3% or higher of people employed in the occupation with educational attainment of Some College, No Degree or Associate's Degree.
- Occupations were added to or removed from the list based upon recommendation that may vary from the described methodology above.

Iowa Grant Occupation List Criteria:

Bachelor's Degree or Above

- Sorted by number of estimated annual openings (between 2016 and 2026) within each occupational grouping. This identifies occupations which are projected to have the largest number of open jobs.
- Included are the top 20 occupations with the highest projected annual job openings and the top 20 occupations with the highest projected annual growth rate that meet the below criteria.
 - Entry-level wage of \$14.00 or higher
 - Doesn't typically require work experience for entry
 - Doesn't typically require a doctoral or professional degree
 - 33.3% or higher of people employed in the occupation with educational attainment of Bachelor's Degree or above.
- Occupations were added to or removed from the list based upon recommendation that may vary from the described methodology above.

** Annual salary is shown since hourly wage rate is not available. Only occupations with an annual entry-level salary of \$29,120 or higher are included.*

Sources:

¹ State of Iowa Occupational Projections: www.iowalmi.gov/occproj

² 2017 Iowa Wage Survey (State of Iowa): www.iowalmi.gov/iawagereport