

# 2019

Annual Report of South Dakota

# Job Placement Outcomes

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for Graduates of Public  
Postsecondary Education Institutions





## 2019 Annual Report of South Dakota Job Placement Outcomes for Graduates of Public Postsecondary Education Institutions *Submitted November 2019*

### **Summary**

Per SDCL 13-1-63 and 13-1-64, this annual report is submitted to the Executive Board of the Legislative Research Council to provide annual job placement outcomes for graduates of postsecondary education institutions. The South Dakota Department of Labor and Regulation (DLR) is the agency responsible for providing the annual report.

As noted by the Data Quality Campaign ([www.dataqualitycampaign.org](http://www.dataqualitycampaign.org)), publicly reporting timely, actionable, and comprehensible education data is one of the most powerful ways states can promote transparency, strengthen accountability, and ensure everyone with a stake in education has access to the information they need to make informed career decisions.

### **Workforce Data Quality Initiative**

This report provides data from the South Dakota Postsecondary Graduate Employment and Wage Outcomes database, originally known as the Workforce Data Quality Initiative (WDQI) longitudinal database. DLR's Labor Market Information Center (LMIC) received a \$946,000 grant from a 2012 WDQI federal grant solicitation to build this longitudinal system. Since the ending of the WDQI grant, LMIC funds available through the U.S. Employment and Training Administration's Workforce Information Grant have been used to continue supporting Graduate Employment Wage Outcomes projects.

The post-secondary graduate outcomes database matches reemployment assistance wage data with postsecondary program completers to develop average wage outcomes, which are analyzed to determine the effectiveness of postsecondary workforce and educational programs. This data match is also an essential step in creating the most effective workforce development strategies.

Information from the database also provides students, job seekers, career counselors, educators and policy makers with a better understanding about the connections between postsecondary education choices and employment outcomes.

Providing this information is possible through a joint collaboration between the DLR, Board of Regents and Department of Education. Additional labor market information, employment projections, wage information and career resources are available at <http://www.sdjobs.org/lmic/>.

## Definitions

**Classification of Instructional Programs (CIP) Code and Description:** The Classification of Instructional Programs (CIP) is a universal classification system provided by the U.S. Department of Education. CIP codes are published at the six-digit level in the report.

### Degrees:

AA – Associate of Arts	EDD – Doctorate of Education
AAS – Associate of Applied Science	EDS – Educational Specialist
AS – Associate of Science	EMPA – Executive Master of Public Policy and Administration
AUD – Doctorate of Audiology	JD – Juris Doctorate
BA – Bachelor of Arts	MA – Master of Arts
BATS – Bachelor of Applied Technical Science	MARCH – Master of Architecture
BBA – Bachelor of Business Administration	MBA – Master of Business Administration
BFA – Bachelor of Fine Arts	MD – Doctorate of Medicine
BGS – Bachelor of General Studies	MED – Master of Education
BLS – Bachelor of Liberal Studies	MFA – Master of Fine Arts
BM – Bachelor of Music	MM – Master of Management
BMA – Master of Business Administration	MMC – Master of Mass Communications
BME – Bachelor of Music Education	MPA – Master of Public Administration
BS – Bachelor of Science	MPACC – Master of Professional Accounting
BSED – Bachelor of Science in Education	MS – Master of Science
BSN – Bachelor of Science in Nursing	MSED – Master of Science Education
BSR – Bachelor of Science in Recreation	MSW – Master of Social Work
DIP – Diploma	PHD – Doctorate of Philosophy
DNP – Doctorate of Nursing Practice	PHRMD – Doctorate of Pharmacy
DPT – Doctorate of Physical Therapy	TDTP – Transitional Doctorate of Physical Therapy
DSC – Doctorate of Science	

**Graduation Fiscal Year:** The fiscal year (July through June) for which the graduate outcomes data is presented. This report includes data on graduation fiscal year 2017 (July 1, 2016 through June 30, 2017).

**Number of Graduates:** Count of individuals who graduated in the given graduation fiscal year (July through June). Information is provided by the degrees awarded. The number of graduates is indicated as NA if there were fewer than five graduates. The report includes data for graduates in fiscal year 2017.

**Number of Graduates Earning Wages in South Dakota:** Number of graduates who were reported as wage earners in 2018 by South Dakota employers to the South Dakota Department of Labor and Regulation in quarterly reports to the Reemployment Assistance (RA) program. The number of graduates earning wages in South Dakota is displayed as NA if it is fewer than five individuals.

**Number of Jobs Held by Graduates Earning Wages in South Dakota:** Total number of jobs held by those graduates in the "Number of Graduates Earning Wages in South Dakota" column. This number includes all jobs held by the graduates reported as wage earners in 2018 by South Dakota employers to the South Dakota Department of Labor and Regulation in quarterly reports to the Reemployment Assistance (RA) program. (Graduates holding more than one job are counted for each job.)

**Average Annual Wage:** Wage data is displayed in the report for the year 2018. The aggregate wage data includes a minimum of three quarters of actual wage data per graduate in a calendar year. The report does not include wages for the self-employed or for employment in businesses that are not covered by reemployment assistance in South Dakota. The wage data may include graduates who are reported as wage earners by more than one employer (graduates who hold more than one job).

The Average Annual Wage represents the arithmetic mean of the wage data collected for the number graduates earnings wages in South Dakota in 2018, calculated by dividing the total wages for graduates earning wages in South Dakota by the number of graduate wage earners, within a CIP code. The average wage is also referred to as the mean wage. The average wage may include the wages of graduates who are reported as wage earners by more than one employer (graduates who hold more than one job). In this case, total wages for all jobs are divided by the number of graduates holding jobs.

**NA:** Data not available due to protecting confidentiality of individuals; no graduates were reported for the particular program in the given year; or none of the graduates reported met the criteria as being wage earners in South Dakota.

## **Purpose**

Information available from the South Dakota Postsecondary Graduate Employment and Wage Outcomes database provides students, job seekers, career counselors, educators and policy makers with a better understanding about the connections between postsecondary education choices and employment outcomes.

This information can help answer questions users might have, including:

- What percent of graduates are employed in South Dakota?
- How much are those graduates earning in South Dakota?
- In what industries are graduates employed in South Dakota?

## Data Sources and Methodology

Workforce and education data were made available through a joint collaboration of the following state agencies:

- Department of Labor and Regulation (DLR) - workforce data
- Board of Regents (BOR) - state university system
- Department of Education (DOE) - state technical institutes

Social Security numbers for students enrolled in public postsecondary institutions were followed through the education system into the workforce longitudinally using South Dakota Reemployment Assistance (RA) wage records.

Graduate outcome results are aggregated and are published only if there are five or more graduates within a postsecondary education program with valid wage records. Reports will reflect new graduates after completion of the graduation year (using a July through June year).

## Data Limitations

- A degree or award has a value beyond employment and earnings. Personal interest and satisfaction resulting from completion of a program are intangible benefits that cannot be measured through this tool's data.
- The job market varies across the state and over time. Past outcomes cannot predict the market success of future graduates in all locations.
- Graduate numbers reflect degrees awarded, resulting in duplication of graduates from a macro level. (A graduate with a double major who received two degrees is counted as a graduate for each major.)
- Outcomes represent only the graduates who are reported as wage earners by South Dakota employers in quarterly reports submitted to the Reemployment Assistance program. Although about 95 percent of South Dakota workers are covered by Reemployment Assistance's unemployment insurance, people who are employed by federal agencies, the self-employed and those employed in other states are excluded.
- Wage and industry employment outcomes may include data on graduates who are earning wages from multiple jobs.
- Wage and industry employment outcomes may include data on graduates who re-enrolled in school after completing a degree, if they met the wage earning criteria (having been reported as a wage earner for a minimum of three quarters in a calendar year).
- Since the quarterly employment and wage reports submitted to the Reemployment Assistance program by South Dakota employers do not identify the number of hours employees work, average and median wage estimates may reflect the earnings of both full- and part-time workers.
- Work outcomes for programs with few graduates can fluctuate significantly over time.
- The data cannot be used to evaluate the overall return on investment of postsecondary education compared to no postsecondary education, because South Dakota does not have the ability to link high school graduate records to workforce records. Additionally, the wage records do not include the value of such factors as employee benefits, working conditions, etc.

*Source: South Dakota Postsecondary Graduate Outcomes database, Labor Market Information Center, SD Dept. of Labor and Regulation, November 2019.*

**Board of Regents Graduate Outcomes Data**  
**Fiscal Year 2017 Graduates Earning Wages in South Dakota 2018**  
**Tabulations by CIP Code and Degree**

<b>CIP Code</b>	<b>CIP Description</b>	<b>Degree</b>	<b>Number of Graduates</b>	<b>Number of Graduates Earning Wages in SD</b>	<b>Number of Jobs Held by Graduates Earning Wages in SD</b>	<b>Average Annual Wage</b>
10000	Agriculture, Agriculture Operations, and Related Sciences	AS	19	N/A	N/A	\$34,324
10000	Agriculture, Agriculture Operations, and Related Sciences	BS	52	12	13	\$33,606
10000	Agriculture, General	AS	19	N/A	N/A	\$34,324
10000	Agriculture, General	BS	52	12	13	\$33,606
10000	Agriculture, General	AS	19	N/A	N/A	\$34,324
10000	Agriculture, General	BS	52	12	13	\$33,606
10102	Agribusiness/Agricultural Business Operations	BS	52	24	25	\$35,002
10103	Agricultural Economics	BS	N/A	N/A	N/A	\$46,875
10201	Agricultural Mechanization, General	BS	36	13	13	\$44,772
10601	Applied Horticulture/Horticulture Operations, General	BS	5	N/A	N/A	\$20,072
10605	Landscaping and Groundskeeping	BS	8	N/A	N/A	\$26,212
10901	Animal Sciences, General	MS	5	N/A	N/A	\$53,752
10901	Animal Sciences, General	PHD	N/A	N/A	N/A	\$24,600
10901	Animal Sciences, General	BS	84	26	30	\$33,259
10905	Dairy Science	BS	21	6	9	\$34,404
11102	Agronomy and Crop Science	MS	13	N/A	N/A	\$64,453
11102	Agronomy and Crop Science	PHD	12	N/A	N/A	\$52,238
11102	Agronomy and Crop Science	BS	49	23	23	\$47,517
11106	Range Science and Management	BS	6	N/A	N/A	\$17,383
30104	Environmental Science	PHD	N/A	N/A	N/A	\$35,884
30104	Environmental Science	BS	7	N/A	N/A	\$34,157
30601	Wildlife, Fish and Wildlands Science and Management	MS	8	N/A	N/A	\$43,418
30601	Wildlife, Fish and Wildlands Science and Management	BS	28	14	15	\$28,476
40201	Architecture	MARCH	N/A	N/A	N/A	\$49,216
40201	Architecture	BFA	N/A	N/A	N/A	\$19,458
40201	Architecture	BS	20	11	11	\$18,014
90101	Speech Communication and Rhetoric	MA	9	N/A	N/A	\$48,383
90101	Speech Communication and Rhetoric	BA	5	N/A	N/A	\$38,904

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90101	Speech Communication and Rhetoric	BS	18	11	14	\$22,594
90102	Mass Communication/Media Studies	MMC	6	N/A	N/A	\$59,115
90102	Mass Communication/Media Studies	BA	19	7	7	\$37,432
90102	Mass Communication/Media Studies	BS	48	23	27	\$17,994
90401	Journalism	BA	N/A	N/A	N/A	\$21,813
90401	Journalism	BS	9	N/A	N/A	\$6,482
90499	Journalism, Other	MS	9	N/A	5	\$31,036
90903	Advertising	BA	5	N/A	N/A	\$40,204
90903	Advertising	BS	24	9	10	\$30,862
90999	Public Relations, Advertising, and Applied Communication, Other	BS	6	N/A	N/A	\$14,553
110101	Computer and Information Sciences, General	DSC	N/A	N/A	N/A	\$154,151
110101	Computer and Information Sciences, General	MS	42	9	9	\$58,674
110101	Computer and Information Sciences, General	BS	103	47	50	\$43,763
110401	Information Science/Studies	DSC	8	N/A	N/A	\$98,552
110401	Information Science/Studies	MS	18	N/A	5	\$59,125
110401	Information Science/Studies	BBA	5	N/A	N/A	\$50,967
110401	Information Science/Studies	BS	8	5	6	\$34,922
110803	Computer Graphics	BS	21	9	10	\$20,933
110899	Computer Software and Media Applications, Other	BS	11	5	5	\$37,918
111002	System, Networking, and LAN/WAN Management/Manager	AS	14	9	9	\$35,987
111002	System, Networking, and LAN/WAN Management/Manager	BS	29	17	18	\$46,216
111003	Computer and Information Systems Security/Information Assurance	MS	20	7	7	\$53,729
111003	Computer and Information Systems Security/Information Assurance	BS	26	8	9	\$38,028
130301	Curriculum and Instruction	EDD	N/A	N/A	N/A	\$8,046
130301	Curriculum and Instruction	MED	13	7	8	\$40,091
130301	Curriculum and Instruction	MS	27	17	19	\$42,852
130301	Curriculum and Instruction	MSED	25	22	25	\$45,683
130401	Educational Leadership and Administration, General	EDD	12	10	11	\$80,080

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130401	Educational Leadership and Administration, General	EDS	31	17	19	\$59,054
130401	Educational Leadership and Administration, General	MA	61	20	24	\$45,118
130401	Educational Leadership and Administration, General	MED	11	N/A	5	\$44,571
130499	Educational Administration and Supervision, Other	MSED	8	5	6	\$56,698
130501	Educational/Instructional Technology	MS	9	5	5	\$42,131
130501	Educational/Instructional Technology	MSED	6	N/A	N/A	\$60,871
131001	Special Education and Teaching, General	MA	13	10	10	\$47,616
131001	Special Education and Teaching, General	BSED	54	35	40	\$34,010
131099	Special Education and Teaching, Other	BSED	25	18	21	\$33,796
131101	Counselor Education/School Counseling and Guidance Services	MSED	9	7	7	\$31,773
131202	Elementary Education and Teaching	MA	9	8	10	\$31,464
131202	Elementary Education and Teaching	BSED	201	118	154	\$26,188
131205	Secondary Education and Teaching	MA	N/A	N/A	N/A	\$36,147
131205	Secondary Education and Teaching	MS	23	13	15	\$29,799
131209	Kindergarten/Preschool Education and Teaching	BSED	N/A	N/A	N/A	\$11,703
131210	Early Childhood Education and Teaching	BS	49	25	27	\$30,476
131301	Agricultural Teacher Education	BS	28	7	8	\$36,044
131302	Art Teacher Education	BFA	N/A	N/A	N/A	\$40,529
131302	Art Teacher Education	BS	N/A	N/A	N/A	\$32,837
131305	English/Language Arts Teacher Education	BSED	12	6	8	\$24,985
131307	Health Teacher Education	BS	32	12	13	\$25,095
131308	Family and Consumer Sciences/Home Economics Teacher Education	BS	6	N/A	N/A	\$36,837
131311	Mathematics Teacher Education	BSED	8	6	8	\$30,489
131312	Music Teacher Education	BME	36	16	19	\$35,835
131312	Music Teacher Education	BSED	N/A	N/A	N/A	\$32,108
131314	Physical Education Teaching and Coaching	MA	16	8	9	\$23,657
131314	Physical Education Teaching and Coaching	BS	75	24	31	\$20,806
131314	Physical Education Teaching and Coaching	BSED	17	9	11	\$31,505



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131315	Reading Teacher Education	MED	19	8	8	\$53,155
131316	Science Teacher Education/General Science Teacher Education	BS	5	N/A	5	\$21,816
131321	Computer Teacher Education	BS	N/A	N/A	N/A	\$40,708
131322	Biology Teacher Education	BS	N/A	N/A	N/A	\$42,724
131328	History Teacher Education	BS	8	N/A	N/A	\$24,235
140301	Agricultural Engineering	BS	14	6	6	\$47,366
140501	Bioengineering and Biomedical Engineering	MS	9	N/A	N/A	\$50,031
140701	Chemical Engineering	PHD	6	N/A	N/A	\$38,847
140701	Chemical Engineering	BS	37	N/A	N/A	\$15,150
140801	Civil Engineering, General	MS	20	N/A	6	\$37,509
140801	Civil Engineering, General	BS	80	21	21	\$49,479
140901	Computer Engineering, General	BS	8	N/A	N/A	\$64,713
141001	Electrical and Electronics Engineering	PHD	5	N/A	N/A	\$82,042
141001	Electrical and Electronics Engineering	BS	57	20	20	\$62,669
141801	Materials Engineering	MS	11	N/A	N/A	\$21,739
141901	Mechanical Engineering	MS	18	N/A	N/A	\$70,750
141901	Mechanical Engineering	PHD	N/A	N/A	N/A	\$86,480
141901	Mechanical Engineering	BS	140	38	41	\$47,767
142101	Mining and Mineral Engineering	MS	13	N/A	N/A	\$102,236
143301	Construction Engineering	MS	9	N/A	N/A	\$63,340
143501	Industrial Engineering	BS	29	N/A	N/A	\$56,362
143901	Geological/Geophysical Engineering	MS	5	N/A	N/A	\$61,615
143901	Geological/Geophysical Engineering	BS	17	N/A	N/A	\$36,408
150303	Electrical, Electronic and Communications Engineering Technology/Technician	BS	6	N/A	N/A	\$46,457
150612	Industrial Technology/Technician	BATS	N/A	N/A	N/A	\$90,940
150612	Industrial Technology/Technician	BS	9	6	6	\$38,735
150612	Industrial Technology/Technician	BS	N/A	N/A	N/A	\$27,443
151001	Construction Engineering Technology/Technician	BS	40	19	19	\$48,764

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151501	Engineering/Industrial Management	MS	12	N/A	N/A	\$82,436
160501	German Language and Literature	BA	6	N/A	N/A	\$24,453
160901	French Language and Literature	BA	N/A	N/A	N/A	\$28,473
160905	Spanish Language and Literature	BA	31	16	19	\$21,767
160905	Spanish Language and Literature	BSED	N/A	N/A	N/A	\$43,512
190401	Family Resource Management Studies, General	MS	5	N/A	N/A	\$32,138
190402	Consumer Economics	BS	17	11	13	\$25,238
190501	Foods, Nutrition, and Wellness Studies, General	BS	N/A	N/A	N/A	\$18,811
190504	Human Nutrition	MS	18	6	8	\$22,254
190701	Human Development and Family Studies, General	AS	N/A	N/A	N/A	\$34,205
190701	Human Development and Family Studies, General	BS	72	44	52	\$23,069
220101	Law	JD	66	26	26	\$39,278
220207	Energy, Environment, and Natural Resources Law	BS	N/A	N/A	N/A	\$17,202
230101	English Language and Literature, General	MA	6	N/A	N/A	\$42,936
230101	English Language and Literature, General	BA	42	21	23	\$25,087
230101	English Language and Literature, General	BS	11	5	6	\$18,009
230101	English Language and Literature, General	BSED	9	N/A	N/A	\$32,086
231304	Rhetoric and Composition	BA	7	N/A	N/A	\$11,558
231304	Rhetoric and Composition	BS	N/A	N/A	N/A	\$23,904
239999	English Language and Literature/Letters, Other	BS	N/A	N/A	N/A	\$18,421
240101	Liberal Arts and Sciences/Liberal Studies	MA	10	N/A	N/A	\$58,018
240101	Liberal Arts and Sciences/Liberal Studies	BS	17	5	6	\$28,959
240102	General Studies	AA	120	60	70	\$25,497
240102	General Studies	BGS	104	38	43	\$32,340
260101	Biology/Biological Sciences, General	MA	N/A	N/A	N/A	\$32,882
260101	Biology/Biological Sciences, General	MS	28	N/A	N/A	\$17,842
260101	Biology/Biological Sciences, General	PHD	9	N/A	N/A	\$48,650
260101	Biology/Biological Sciences, General	AS	19	14	17	\$12,712

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260101	Biology/Biological Sciences, General	BS	174	60	68	\$20,713
260101	Biology/Biological Sciences, General	BSED	N/A	N/A	N/A	\$40,666
260102	Biomedical Sciences, General	MS	N/A	N/A	N/A	\$26,358
260102	Biomedical Sciences, General	BS	46	19	22	\$19,649
260202	Biochemistry	PHD	N/A	N/A	N/A	\$47,769
260202	Biochemistry	BS	9	N/A	N/A	\$49,316
260502	Microbiology, General	BS	12	5	5	\$19,277
260802	Molecular Genetics	MS	N/A	N/A	N/A	\$36,100
261201	Biotechnology	BS	21	8	10	\$20,069
269999	Biological and Biomedical Sciences, Other	BS	N/A	N/A	N/A	\$29,927
270101	Mathematics, General	MS	6	N/A	N/A	\$49,330
270101	Mathematics, General	BS	53	21	23	\$36,183
270101	Mathematics, General	BSED	7	6	6	\$35,584
270501	Statistics, General	MS	5	N/A	N/A	\$77,923
270503	Mathematics and Statistics	BS	6	5	5	\$40,256
300101	Biological and Physical Sciences	MNS	N/A	N/A	N/A	\$49,265
302001	International/Global Studies	BA	20	7	7	\$19,871
303301	Sustainability Studies	BS	6	N/A	N/A	\$11,111
309999	Multi-/Interdisciplinary Studies, Other	BS	11	N/A	5	\$19,808
310301	Parks, Recreation and Leisure Facilities Management, General	BS	22	8	9	\$31,689
310501	Health and Physical Education/Fitness, General	MS	9	N/A	N/A	\$43,251
310501	Health and Physical Education/Fitness, General	MSED	12	5	5	\$35,139
310501	Health and Physical Education/Fitness, General	BS	30	10	11	\$71,202
310501	Health and Physical Education/Fitness, General	BSED	N/A	N/A	N/A	\$36,305
310504	Sport and Fitness Administration/Management	BS	50	15	17	\$20,868
310505	Kinesiology and Exercise Science	BS	25	9	10	\$22,788
310599	Health and Physical Education/Fitness, Other	BS	21	10	13	\$17,346
310601	Outdoor Education	BS	8	5	5	\$24,706

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400401	Atmospheric Sciences and Meteorology, General	PHD	N/A	N/A	N/A	\$77,293
400501	Chemistry, General	BS	33	6	6	\$32,387
400501	Chemistry, General	BSED	N/A	N/A	N/A	\$40,931
400601	Geology/Earth Science, General	BS	16	N/A	N/A	\$22,047
400801	Physics, General	BS	11	N/A	N/A	\$40,059
420101	Psychology, General	MA	5	N/A	N/A	\$28,613
420101	Psychology, General	PHD	13	N/A	N/A	\$52,372
420101	Psychology, General	BA	11	5	6	\$28,077
420101	Psychology, General	BS	168	76	83	\$23,297
422803	Counseling Psychology	EDS	7	N/A	N/A	\$62,144
422803	Counseling Psychology	MA	21	10	10	\$34,799
422803	Counseling Psychology	MED	10	6	6	\$33,476
422803	Counseling Psychology	MS	38	28	31	\$34,952
422803	Counseling Psychology	PHD	8	N/A	N/A	\$50,233
430104	Criminal Justice/Safety Studies	BA	35	14	15	\$28,799
430104	Criminal Justice/Safety Studies	BS	33	16	18	\$24,228
440000	Public Administration and Social Service Professions	MS	71	28	29	\$60,857
440000	Human Services, General	MS	71	28	29	\$60,857
440000	Human Services, General	MS	71	28	29	\$60,857
440201	Community Organization and Advocacy	BS	23	16	20	\$26,218
440401	Public Administration	EMPA	11	N/A	N/A	\$69,442
440401	Public Administration	MPA	6	N/A	N/A	\$47,502
450101	Social Sciences, General	BS	N/A	N/A	N/A	\$31,309
450101	Social Sciences, General	BSED	N/A	N/A	N/A	\$40,816
450201	Anthropology	BA	6	N/A	N/A	\$15,766
450601	Economics, General	MS	15	6	6	\$62,795
450601	Economics, General	BA	9	5	6	\$30,218
450601	Economics, General	BBA	8	N/A	N/A	\$15,368

**Board of Regents Graduate Outcomes Data**  
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450601	Economics, General	BS	53	26	28	\$28,193
450701	Geography	BS	5	N/A	N/A	\$39,463
450702	Geographic Information Science and Cartography	BS	N/A	N/A	N/A	\$44,554
451001	Political Science and Government, General	MA	N/A	N/A	N/A	\$8,791
451001	Political Science and Government, General	BA	36	8	8	\$28,840
451001	Political Science and Government, General	BS	25	7	7	\$23,890
451101	Sociology	MS	6	N/A	N/A	\$13,412
451101	Sociology	PHD	N/A	N/A	N/A	\$111,516
451101	Sociology	BA	23	10	12	\$27,651
451101	Sociology	BS	72	35	40	\$28,537
490101	Aeronautics/Aviation/Aerospace Science and Technology, General	BS	8	N/A	5	\$36,161
500402	Commercial and Advertising Art	BS	12	7	8	\$20,589
500408	Interior Design	BS	7	6	8	\$24,403
500409	Graphic Design	BA	10	N/A	N/A	\$33,673
500409	Graphic Design	BS	20	11	11	\$29,530
500501	Drama and Dramatics/Theatre Arts, General	BA	N/A	N/A	N/A	\$20,477
500501	Drama and Dramatics/Theatre Arts, General	BFA	12	N/A	N/A	\$4,603
500501	Drama and Dramatics/Theatre Arts, General	BS	6	N/A	N/A	\$14,934
500701	Art/Art Studies, General	MFA	N/A	N/A	N/A	\$38,465
500701	Art/Art Studies, General	BA	15	8	9	\$17,401
500701	Art/Art Studies, General	BFA	18	5	6	\$20,833
500701	Art/Art Studies, General	BS	5	N/A	N/A	\$25,928
500701	Art/Art Studies, General	BS	7	N/A	N/A	\$28,416
500702	Fine/Studio Arts, General	BS	N/A	N/A	N/A	\$30,933
500901	Music, General	MM	14	6	6	\$38,528
500901	Music, General	MME	N/A	N/A	N/A	\$53,379
500901	Music, General	BA	9	5	6	\$20,886
500901	Music, General	BMA	5	N/A	N/A	\$8,326

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500901	Music, General	BS	N/A	N/A	N/A	\$8,225
500903	Music Performance, General	BM	7	N/A	N/A	\$9,303
510000	Health Professions and Related Programs	BS	107	38	42	\$28,599
510000	Health Services/Allied Health/Health Sciences, General	BS	107	38	42	\$28,599
510000	Health Services/Allied Health/Health Sciences, General	BS	107	38	42	\$28,599
510201	Communication Sciences and Disorders, General	MA	27	9	10	\$39,896
510201	Communication Sciences and Disorders, General	BA	7	N/A	N/A	\$12,010
510201	Communication Sciences and Disorders, General	BS	17	5	5	\$10,747
510202	Audiology/Audiologist	AUD	6	N/A	N/A	\$62,913
510602	Dental Hygiene/Hygienist	BS	33	16	17	\$50,918
510702	Hospital and Health Care Facilities Administration/Management	BBA	14	6	6	\$18,969
510706	Health Information/Medical Records Administration/Administrator	BS	9	6	8	\$32,093
510707	Health Information/Medical Records Technology/Technician	AS	11	9	10	\$36,120
510908	Respiratory Care Therapy/Therapist	AS	12	11	12	\$38,515
510908	Respiratory Care Therapy/Therapist	BS	7	5	7	\$35,304
510912	Physician Assistant	MS	23	10	10	\$105,933
510913	Athletic Training/Trainer	MS	N/A	N/A	N/A	\$25,866
510913	Athletic Training/Trainer	BS	15	N/A	N/A	\$2,552
511005	Clinical Laboratory Science/Medical Technology/Technologist	BS	33	19	20	\$48,159
511201	Medicine	MD	53	N/A	N/A	\$45,696

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010104	Farm/Farm and Ranch Management	CER	57	12	13	\$24,083
010205	Agricultural Mechanics and Equipment/Machine Technology	AAS	34	21	22	\$31,921
010301	Agricultural Production Operations, General	AAS	37	26	27	\$36,062
100303	Prepress/Desktop Publishing and Digital Imaging Design	AAS	7	5	6	\$21,385
100304	Animation, Interactive Technology, Video Graphics and Special Effects	AAS	6	N/A	N/A	\$24,056
010101	Agricultural Business and Management, General	AAS	146	82	90	\$31,621
010601	Applied Horticulture/Horticulture Operations, General	AAS	7	6	6	\$20,963
010605	Landscaping and Groundskeeping	AAS	N/A	N/A	N/A	\$29,018
010607	Turf and Turfgrass Management	AAS	N/A	N/A	N/A	\$29,495
110201	Computer Programming/Programmer, General	AAS	10	5	5	\$39,160
110701	Computer Science	AAS	14	10	11	\$25,685
110901	Computer Systems Networking and Telecommunications	AAS	26	20	21	\$39,092
110901	Computer Systems Networking and Telecommunications	DIP	7	6	6	\$19,327
111001	Network and System Administration/Administrator	AAS	24	18	20	\$31,923
111001	Network and System Administration/Administrator	DIP	N/A	N/A	N/A	\$16,124
111003	Computer and Information Systems Security/Information Assurance	AAS	13	11	11	\$36,605
111006	Computer Support Specialist	AAS	N/A	N/A	N/A	\$24,062
119999	Computer and Information Sciences and Support Services, Other	DIP	76	51	51	\$33,385
120401	Cosmetology/Cosmetologist, General	DIP	30	20	25	\$14,985
120503	Culinary Arts/Chef Training	AAS	N/A	N/A	N/A	\$25,677
120503	Culinary Arts/Chef Training	DIP	N/A	N/A	N/A	\$23,703
150101	Architectural Engineering Technology/Technician	AAS	17	13	13	\$35,696
150201	Civil Engineering Technology/Technician	AAS	18	15	15	\$41,717
150303	Electrical, Electronic and Communications Engineering Technology/Technician	AAS	9	9	10	\$42,644
150305	Telecommunications Technology/Technician	AAS	17	13	13	\$41,592
150401	Biomedical Technology/Technician	AAS	10	N/A	N/A	\$35,884
150403	Electromechanical Technology/Electromechanical Engineering Technology	AAS	16	13	14	\$47,056

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150405	Robotics Technology/Technician	AAS	25	20	20	\$44,108
150406	Automation Engineer Technology/Technician	AAS	11	9	9	\$57,887
150501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician	AAS	7	6	6	\$38,720
150501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician	DIP	12	10	11	\$38,542
150503	Energy Management and Systems Technology/Technician	AAS	6	N/A	N/A	\$20,598
150599	Environmental Control Technologies/Technicians, Other	AAS	9	6	6	\$26,046
150613	Manufacturing Engineering Technology/Technician	AAS	13	10	11	\$40,239
150614	Welding Engineering Technology/Technician	AAS	22	17	18	\$45,368
150614	Welding Engineering Technology/Technician	DIP	N/A	N/A	N/A	\$36,194
150805	Mechanical Engineering/Mechanical Technology/Technician	AAS	10	8	11	\$25,285
151001	Construction Engineering Technology/Technician	AAS	24	20	21	\$39,565
151102	Surveying Technology/Surveying	AAS	18	15	15	\$42,579
151301	Drafting and Design Technology/Technician, General	AAS	10	7	8	\$31,726
190708	Child Care and Support Services Management	AAS	20	11	14	\$12,417
190709	Child Care Provider/Assistant	DIP	24	12	15	\$13,092
250301	Library and Archives Assisting	AAS	6	N/A	N/A	\$14,780
300000	Multi/Interdisciplinary Studies	AAS	N/A	N/A	N/A	\$33,880
300000	Multi-/Interdisciplinary Studies, General	AAS	N/A	N/A	N/A	\$33,880
300000	Multi-/Interdisciplinary Studies, General	AAS	N/A	N/A	N/A	\$33,880
030104	Environmental Science	AAS	5	N/A	5	\$22,412
030104	Environmental Science	DIP	N/A	N/A	N/A	\$12,889
430104	Criminal Justice/Safety Studies	AAS	5	N/A	5	\$14,588
430107	Criminal Justice/Police Science	AAS	41	38	44	\$27,948
430203	Fire Science/Fire-fighting	AAS	5	N/A	N/A	\$56,705
440000	Public Administration and Social Service Professions	AAS	32	21	24	\$19,263
440000	Human Services, General	AAS	32	21	24	\$19,263
440000	Human Services, General	AAS	32	21	24	\$19,263



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440000	Public Administration and Social Service Professions	DIP	33	22	23	\$15,703
440000	Human Services, General	DIP	33	22	23	\$15,703
440000	Human Services, General	DIP	33	22	23	\$15,703
450702	Geographic Information Science and Cartography	AAS	15	9	9	\$33,980
450702	Geographic Information Science and Cartography	DIP	N/A	N/A	N/A	\$39,234
460301	Electrical and Power Transmission Installation/Installer, General	AAS	12	N/A	N/A	\$34,120
460302	Electrician	AAS	57	43	45	\$41,461
460303	Lineworker	AAS	6	N/A	5	\$31,294
460303	Lineworker	DIP	69	38	38	\$36,188
460401	Building/Property Maintenance	AAS	N/A	N/A	N/A	\$39,052
460415	Building Construction Technology	AAS	30	20	21	\$29,039
460503	Plumbing Technology/Plumber	DIP	14	6	7	\$31,908
469999	Construction Trades, Other	DIP	N/A	N/A	N/A	\$11,291
470101	Electrical/Electronics Equipment Installation and Repair, General	AAS	N/A	N/A	N/A	\$34,959
470201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	AAS	11	10	10	\$39,335
470201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	DIP	N/A	N/A	N/A	\$30,263
470603	Autobody/Collision and Repair Technology/Technician	AAS	22	15	18	\$25,624
470603	Autobody/Collision and Repair Technology/Technician	DIP	10	N/A	N/A	\$26,231
470604	Automobile/Automotive Mechanics Technology/Technician	AAS	32	27	29	\$31,358
470604	Automobile/Automotive Mechanics Technology/Technician	DIP	N/A	N/A	N/A	\$38,422
470605	Diesel Mechanics Technology/Technician	AAS	N/A	N/A	N/A	\$66,526
470605	Diesel Mechanics Technology/Technician	AAS	72	40	42	\$40,891
470605	Diesel Mechanics Technology/Technician	DIP	6	5	5	\$42,184
470606	Small Engine Mechanics and Repair Technology/Technician	AAS	13	8	8	\$29,643
470608	Aircraft Powerplant Technology/Technician	AAS	6	N/A	N/A	\$67,179
470608	Aircraft Powerplant Technology/Technician	DIP	10	N/A	N/A	\$23,707
470615	Engine Machinist	AAS	7	N/A	N/A	\$25,371

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470699	Vehicle Maintenance and Repair Technologies, Other	AAS	22	16	18	\$27,824
480501	Machine Tool Technology/Machinist	AAS	20	16	17	\$41,494
480501	Machine Tool Technology/Machinist	DIP	9	N/A	N/A	\$19,804
480508	Welding Technology/Welder	AAS	21	9	9	\$38,338
480508	Welding Technology/Welder	CERT	8	5	5	\$22,253
480508	Welding Technology/Welder	DIP	67	42	43	\$29,583
480599	Precision Metal Working, Other	AAS	87	24	40	\$54,362
480599	Precision Metal Working, Other	DIP	30	9	20	\$22,613
490202	Construction/Heavy Equipment/Earthmoving Equipment Operation	AAS	9	N/A	N/A	\$27,967
490202	Construction/Heavy Equipment/Earthmoving Equipment Operation	DIP	N/A	N/A	N/A	\$43,700
510000	Health Professions and Related Programs	AAS	20	13	14	\$33,868
510000	Health Services/Allied Health/Health Sciences, General	AAS	20	13	14	\$33,868
510000	Health Services/Allied Health/Health Sciences, General	AAS	20	13	14	\$33,868
510601	Dental Assisting/Assistant	AAS	9	8	8	\$25,518
510601	Dental Assisting/Assistant	DIP	27	22	28	\$22,530
510703	Health Unit Coordinator/Ward Clerk	DIP	16	12	14	\$26,964
510708	Medical Transcription/Transcriptionist	AAS	5	N/A	N/A	\$22,200
510710	Medical Office Assistant/Specialist	AAS	12	11	13	\$23,124
510713	Medical Insurance Coding Specialist/Coder	AAS	10	9	11	\$25,781
510713	Medical Insurance Coding Specialist/Coder	DIP	N/A	N/A	N/A	\$40,665
510801	Medical/Clinical Assistant	AAS	37	32	37	\$21,390
510801	Medical/Clinical Assistant	DIP	N/A	N/A	N/A	\$15,503
510803	Occupational Therapist Assistant	AAS	16	8	8	\$26,256
510805	Pharmacy Technician/Assistant	AAS	N/A	N/A	N/A	\$18,745
510805	Pharmacy Technician/Assistant	DIP	16	13	14	\$25,913
510806	Physical Therapy Technician/Assistant	AAS	24	11	14	\$20,535
510816	Speech-Language Pathology Assistant	AAS	14	10	16	\$14,608

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510901	Cardiovascular Technology/Technologist	AAS	16	7	8	\$47,699
510904	Emergency Medical Technology/Technician (EMT Paramedic)	AAS	16	14	19	\$28,945
510904	Emergency Medical Technology/Technician (EMT Paramedic)	CER	N/A	N/A	N/A	\$43,283
510904	Emergency Medical Technology/Technician (EMT Paramedic)	DIP	N/A	N/A	N/A	\$55,765
510905	Nuclear Medical Technology/Technologist	AAS	7	N/A	N/A	\$22,148
510909	Surgical Technology/Technologist	AAS	25	20	23	\$32,081
510909	Surgical Technology/Technologist	DIP	6	5	6	\$27,123
510910	Diagnostic Medical Sonography/Sonographer and Ultrasound Technician	AAS	13	5	5	\$41,111
510911	Radiologic Technology/Science - Radiographer	AAS	10	8	8	\$41,825
510920	Magnetic Resonance Imaging (MRI) Technology/Technician	AAS	N/A	N/A	N/A	\$24,180
510920	Magnetic Resonance Imaging (MRI) Technology/Technician	ACERT	N/A	N/A	N/A	\$48,126
510920	Magnetic Resonance Imaging (MRI) Technology/Technician	CER	5	N/A	N/A	\$60,655
511004	Clinical/Medical Laboratory Technician	AAS	17	14	16	\$31,820
511099	Clinical/Medical Laboratory Science and Allied Professions, Other	DIP	19	11	11	\$25,661
513801	Registered Nursing/Registered Nurse	AAS	27	23	28	\$38,729
513901	Licensed Practical/Vocational Nurse Training	DIP	202	148	171	\$27,722
520101	Business/Commerce, General	AAS	136	83	104	\$33,046
520201	Business Administration and Management, General	AAS	16	9	12	\$19,948
520201	Business Administration and Management, General	DIP	N/A	N/A	N/A	\$6,739
520213	Organizational Leadership	CER	24	20	21	\$85,833
520301	Accounting	AAS	32	22	25	\$27,531
520301	Accounting	DIP	N/A	N/A	N/A	\$15,284
520305	Accounting and Business/Management	AAS	13	9	9	\$25,299
520401	Administrative Assistant and Secretarial Science, General	AAS	N/A	N/A	N/A	\$38,073
520407	Business/Office Automation/Technology/Data Entry	AAS	5	5	7	\$27,889
520407	Business/Office Automation/Technology/Data Entry	DIP	N/A	N/A	N/A	\$25,933
520408	General Office Occupations and Clerical Services	DIP	6	N/A	N/A	\$32,207

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520701	Entrepreneurship/Entrepreneurial Studies	AAS	11	7	9	\$16,980
520703	Small Business Administration/Management	DIP	6	N/A	5	\$18,033
520799	Entrepreneurial and Small Business Operations, Other	AAS	N/A	N/A	N/A	\$23,200
520803	Banking and Financial Support Services	AAS	34	25	29	\$29,804
521401	Marketing/Marketing Management, General	AAS	67	38	44	\$27,241
521701	Insurance	AAS	N/A	N/A	N/A	\$22,509