SUBJECT

Idaho Workforce Projections Update and Degree Production Targets

REF	FER	EN	CE
-----	-----	----	----

August 2010	Board adopted	d 60% college	attainment	production ac	oal

based on the report from Georgetown University's Center on Education and the Workforce projections for Idaho's

workforce needs in 2018.

August 2011 Board was presented with details around projections

toward meeting the 60% college attainment goal as a population goal vs. production goal and assumptions necessary for developing productions (out-migration, in-

migration, etc.)

October 2011 Board reviewed degree production projections by

institution that would be needed to reach the 60% degree

attainment goal by 2020.

December 2011 Board was presented with annual credential-level

projection on degree production increases the public institutions would need to meet to achieve the 60% goal

by 2020.

June 2012 Board set statewide targets for degree production to meet

Board's 60% goal (1 year certs 2,400 by 2020, associates

7,500 by 2020, bachelors 9,700 by 2020).

August 2013 Board reviewed updated report data on Idaho's projected

workforce need from Georgetown University's Center on Education and the Workforce (67.6% of jobs will requires some college, an associate's degree, a bachelor's degree

or higher by 2020).

February 2014 Board was presented with Idaho Business for Education

2018 Workforce Need Employer Survey results.

December 2015 Board received update on progress toward 60%

educational attainment goal and areas for consideration as policy levers for increasing degree production and approved the updated K-20 Education Strategic Plan including adjustment to level of credential benchmarks.

December 2016 Board reviewed and discussed amendments to the

Board's FY18-FY22 K-20 Education Strategic plan and approved amendments to the Board's FY18-FY22 Higher

Education Research Strategic Plan.

August 2017 Board discussed in detail goal one and possible

amendments to the K-20 Education strategic plan and requested the Planning, Policy and Governmental Affairs Committee continue the work and bring back proposed

amendments to the Board for consideration.

December 2017 Board discussed and requested additional changes to the

Board's new strategic plan.

February 2018	Board approved new K-20 Education Strategic Plan (FY20-FY24) significantly rewriting the Goals, Objectives,				
	and Performance Measures.				
October 2018	Board reviewed the K-20 Educational System				
	performance measures and directed staff to remove a				
	number of performance measures and bring forward				
	annual degree production targets for consideration in the				
	updated K-20 Education Strategic Plan for the December				
	2018 Board meeting				
December 2018	Board reviewed the Board's educational attainment goal and degree production targets needed to meet the Goal.				

BACKGROUND/ DISCUSSION

At the October 2018 Regular Board meeting as part of the K-20 Education Performance Measure discussion, the Board directed staff to bring forward annual production targets by credential level and institution that would be needed to help Idaho meet the population based educational attainment goal of 60% of Idahoans (ages 25-34) will have a college degree or certificate requiring one academic year or more of study. Proposed targets were brought back for discussion during the December 2018 Regular Board meeting.

The original target, approved in 2010, of 60% was set by the Board based on the Georgetown University's Center on Education and the Workforce State-Level Analysis of Projections of Jobs and Education Requirements through 2018 (published June 2010). The report projected 61% of jobs in Idaho would require some postsecondary training beyond high school in 2018. The Center projected Idaho's needed education levels at:

Idaho Employment Projections for 2018 by

Tadrio Employment i rejectione for 2010 by				
Education Level	2018 jobs	Percent		
Did not graduate high school	84,000	10.20%		
High school graduates	235,000	28.55%		
Some college, no degree	222,000	26.91%		
Associate's degree	81,000	9.81%		
Bachelor's degree	146,000	17.74%		
Graduate degree	55,000	6.68%		

In June 2013, the Center on Education and the Workforce Center updated its projections. The new analysis projected 68% of the jobs in Idaho would require postsecondary education. The Center divides postsecondary education levels by: Some College/No Degree, Associate's Degree, Bachelor's Degree, and Master's Degree or Better. Credentials less than an associate's degree would fall under the Some College/No Degree category. The Board's inclusion of certificates of one academic year or more as part of its 60% Goal are extrapolated from the Some College, No Degree taking into consideration the lower benchmark (60%) than the 61% projected by the Center.

In 2013, Idaho Business for Education (IBE) conducted a survey of Idaho businesses and their projected workforce needs. IBE's survey results affirmed the Board's current Educational Attainment Goal and was in alignment with the updated Georgetown University Center on Education and the Workforce research showing that by 2020, 67% of the jobs in Idaho would require some form of postsecondary degree or credential. While both the survey and the Center showed a need for increased postsecondary attainment at all levels, the survey found the largest attainment gap was at the baccalaureate level and the updated Georgetown Study identified the highest areas of growth at the baccalaureate or higher levels.

Additionally, the Higher Education Task Force recommended the Board restate the 60% and "establish a clear, credible, and measureable roadmap on how Idaho gets to the 60% Goal." The original "60% Goal" as established is a population goal. The goal is impacted not only by the degrees produced at Idaho postsecondary institutions, but also by the degree level and age of individuals that move into the state and move out of the state. The Higher Education Task Force recommended the following language:

"By the year 2025, Idaho's colleges and universities will award enough degrees and certificates to meet the education and forecasted workforce needs of all Idaho citizens necessary to survive and thrive in the changing economy and that by June 30, 2025, 60% of the state's citizens between the ages of 25-34 shall have a postsecondary education (1,2,4, or more)".

Population targets are very difficult to impact; there are many factors that go into the increase or the decrease of the educational level of the people that live in Idaho. The majority of which are not under the Board's influence or control. The most significant being the in-migration and out-migration of individuals. As an example, competitive salaries and the availability of employment opportunities in high wage areas often influence an individual's decision to stay in Idaho or move to another state after obtaining their postsecondary credential in Idaho. The Board directly influences neither of these.

The original workforce projections used for setting the "60% Goal" in 2018 were based on 2018 projections. With the recession and subsequent recovery over the past eight years, Idaho's workforce needs have changed. Conducting a new analysis at this time will allow the Board to set production targets that are up-to-date and meaningful.

IMPACT

The Work Session will be used to discuss different methodologies for determining Idaho's future workforce needs and set credential production targets for Idaho's public colleges and universities.

ATTACHMENTS

Attachment 1 – Updated Educational Workforce Need Projections and Postsecondary Credential Targets

STAFF COMMENTS AND RECOMMENDATIONS

Idaho's workforce educational needs can be broken out into seven levels of educational attainment: less than high school, high school diploma, some college/credential less than one year, certificate of one academic year or more, associates degree, baccalaureate degree, and graduate degree. Additionally, the workforce is made up of multiple age bands: individuals under 18, 18-24, 25-34, 35-64, and those over 64. The Board's original 60% Educational Attainment goal focused on 25-34 year-olds and set 60% for those with a certificate or degree of one academic year or more, with the remaining 40% of the age band made up of individuals credentials of less than a certificate of one year or more.

Workforce Pipeline/Board Goals

Age Range	Less than High School	High School Diploma	Some College/ Credential Less Than One	Certificate 1 Yr or More	Associates Degree	Bachelor's Degree	Graduate Degree
			Year				
18-24							
25-34	40	% of 25-34 Ye	ar Olds		60% of 25-34	Year Olds	
35+							

Some College/Credential Less Than One Year includes individuals who have had some form of postsecondary education but less that a certificate of one year or more. This group is made up of adult learners with some college and no degree, individuals with micro credentials, badges or workforce training, and could include individuals who have entered military service and received training but no postsecondary certificate or degree. When this category is combined with Less than High School and High School Diploma, those who have participated in internships or apprenticeships that did not include some form of postsecondary certification are also captured. While there has been much focus on the group captured by the "60% goal" there has been increasing focus in recent years to look at training and credentials that also meet Idaho's workforce needs and fall in the 40% side of the spectrum. In refining targets for meeting the "60% goal" the Board may also want to set a target for Some College/Credential Less Than One Year or percentages for each of the other categories that make up the whole spectrum of workforce skills.

During the Work Session, staff will provide the Board with an updated analysis of Idaho's workforce educational attainment needs. Attachment 1 looks at the educational attainment needed for entry into the current workforce (2016 Department of Labor data) and projections based on the current workforce for 2026 and then based on a comparison or "aspirational" state's educational needs. For comparison purposes, Oregon was selected. The State of Oregon has a

similar combination of agricultural and non-agricultural jobs, and experiences similar challenges with much of the state being rural with areas of high population density. Additionally, Oregon is located within Idaho's region and has a larger science, technology, engineering, and math (STEM) economic base. The large proportion of STEM jobs available in Oregon is in alignment with the focus Idaho has had in increasing the STEM workforce and STEM jobs in Idaho.

The STEM occupations used in the analysis are those that align with the traditional academic definition of STEM that the Board currently uses in the K-20 Education Strategic plan. This definition does not include STEM medical occupations. Due to the large medical workforce in parts of Idaho, STEM medical occupation projections have been included as a separate category.

The analysis also looks at two types of methodology, the education level needed to enter an occupation and the education level held by individuals working in the occupation. When looking at STEM occupations the data indicates individuals in STEM occupations in Idaho have lower level credentials then those required nationally. This is an indicator that the Idaho workforce does not currently meet the needs of STEM employers in the state.

For purposes of this analysis and better alignment with levels identified in workforce projections the educational categories used are: high school diploma or equivalent, postsecondary non-degree award, associates' degree, bachelor's degree, master's degree, doctoral or professional degree. The analysis also looks at the educational attainment levels for 25 to 34 year olds, 35 to 64 year olds and 25 to 64 year olds.

To help with setting institutional production targets, projected employment volumes are further broken out by region to allow for the community college targets to be based on regional needs and the four-year institutions production targets to be based on statewide needs.

Staff will walk the Board through the analysis provided in Attachment 1. The purpose of the discussion is to determine which methodology and age group the Board would like to base the production targets on, provide feedback on the age range that the Board would like to use moving forward and to provide guidance on how the Board would like the production targets to be set. Institutional specific targets based on credential level will be brought back to the Board no later than the April Board meeting for formal Board action. Any statewide targets will be incorporated into the K-20 Education Strategic Plan for the Board's consideration as part of the Planning, Policy and Governmental Affairs portion of the agenda during this meeting.

BOARD ACTION

This item is for informational purposes only.

Attachment 1

Idaho's Educational Attainment Goal

Created by: Cate Collins

Created Date: January 14, 2019

- Idaho's Current Employment & Educational Attainment
- Idaho's Educational Attainment
- · Idaho Compared to the United States
- Idaho Occupations
 - Projections: Occupations
 - Typical Education Needed for Entry
 - Educational Attainment of Population in Occupations
 - Occupations Requiring Some Postsecondary Education
- Idaho Education Completions
 - Possible Gaps in Education Completions Production
 - Projections: Education Completions Required to Fill The Gap
 - Projections: Education Completions at Base
- Appendix
 - Assumptions & Limitations
 - Code Mappings
 - Data Sources
 - Dictionary
 - Bibliography

Last Revised: 2019-02-05

For this study:

- Idaho's population estimates use the U.S. Census Bureau, American Community Survey (ACS); Public Use Microdata Samples (PUMS) 5-Year Estimates; 2012-2016, subset by age with a range of 25 to 64.
- Idaho's occupational data, including actual employment and projections, use the Idaho Department of Labor (IDL); Occupational Projections, Idaho; 2016-2026.
- SOC codes for occupations use the Bureau of Labor Statistics, Office of Occupational Statistics and Employment Projections; National Employment Matrix Occupational Coverage; As of 10/24/2017
- Idaho education production data use the Integrated Postsecondary Education Data System (IPEDS); IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level; July 1, 2016 to June 30, 2017, subset by "control of institution" being Public and "level of institution" being Four or more years, At least 2 but less than 4 years.

See Appendix below for further detail on data sources

Idaho's Current Employment & Educational Attainment

Idaho's occupations with typical education needed for entry requiring:

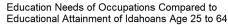
- Bachelor's degree and above is 23%.
- · Associate's degree and above is 26%.
- · Postsecondary nondegree award and above is 32%.
- Some college, no degree and above is 35%.

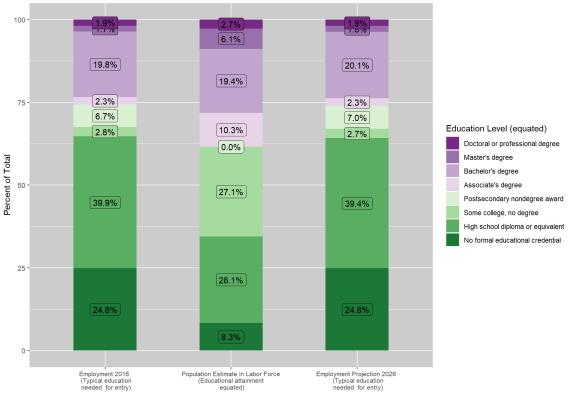
Idaho's postsecondary educational attainment of residents between the ages of 25 and 64 with a:

- Bachelor's degree and above is 27%.
- Associate's degree and above is 37%.
- Some college, no degree and above is 63%.

No direct analog exists for "Postsecondary nondegree award"; however the argument could be made that "Some college, but less than 1 year" and "1 or more years of college credit, no degree" could be mapped (equated) to "Postsecondary nondegree award". See Appendix for further detail on mapping "Educational attainment" categories to "Typical education needed for entry".

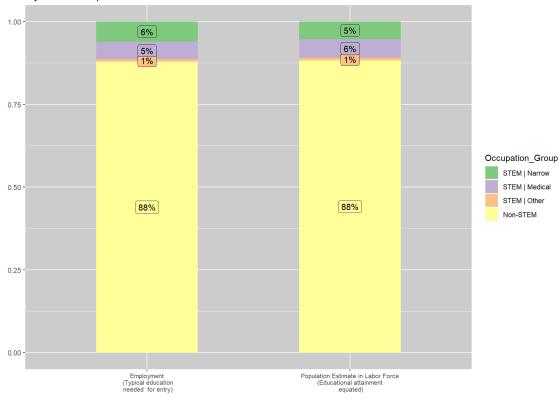
Attachment 1





Source(s): Idaho Department of Labor (IDL), 2016-2026 U.S. Census Bureau, American Community Survey (ACS), 2012-2016

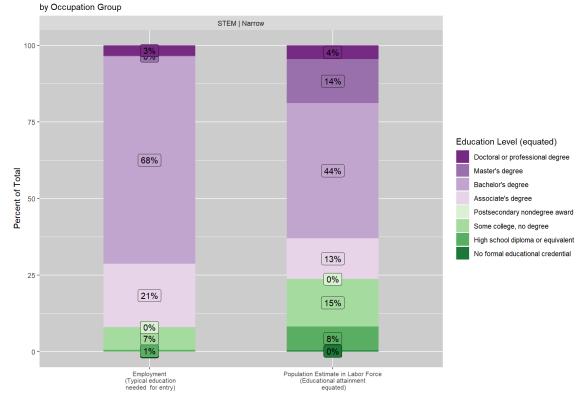
Idaho Occupations and Idahoans in Occupations by STEM Group



Source(s): Idaho Department of Labor (IDL), 2016-2026 U.S. Census Bureau, American Community Survey (ACS), 2012-2016

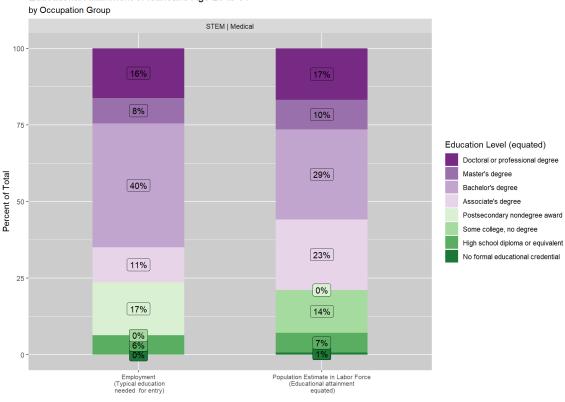
Attachment 1

Education Needs of Occupations Compared to Educational Attainment of Idahoans Age 25 to 64



Source(s): Idaho Department of Labor (IDL), 2016-2026 U.S. Census Bureau, American Community Survey (ACS), 2012-2016

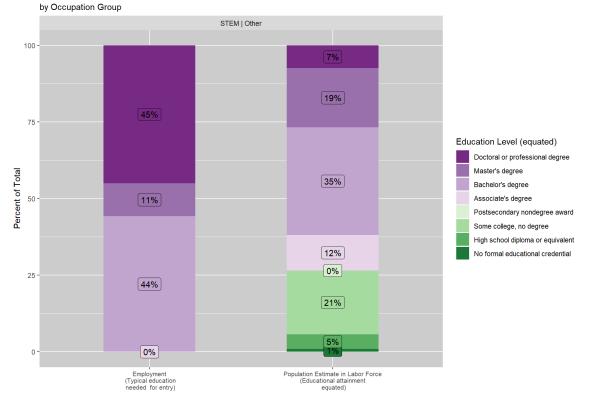
Education Needs of Occupations Compared to Educational Attainment of Idahoans Age 25 to 64



Source(s): Idaho Department of Labor (IDL), 2016-2026 U.S. Census Bureau, American Community Survey (ACS), 2012-2016

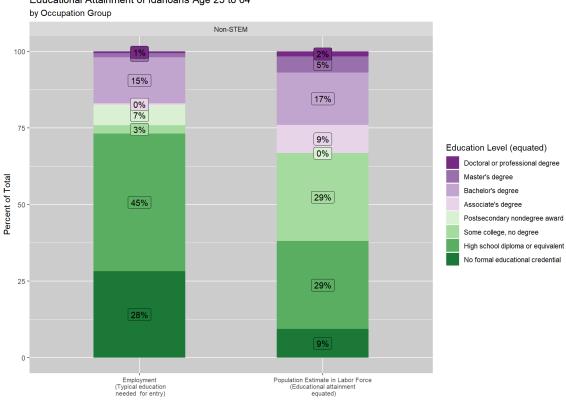
Attachment 1

Education Needs of Occupations Compared to Educational Attainment of Idahoans Age 25 to 64



Source(s): Idaho Department of Labor (IDL), 2016-2026 U.S. Census Bureau, American Community Survey (ACS), 2012-2016

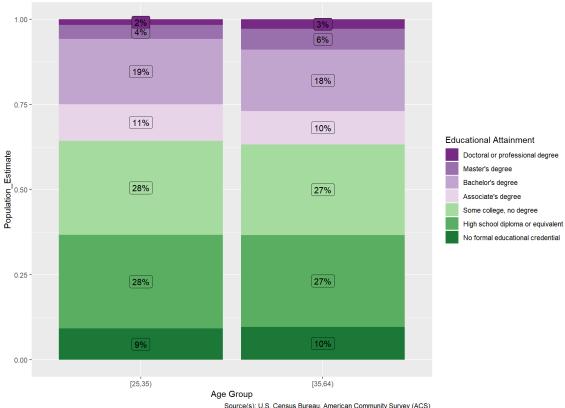
Education Needs of Occupations Compared to Educational Attainment of Idahoans Age 25 to 64



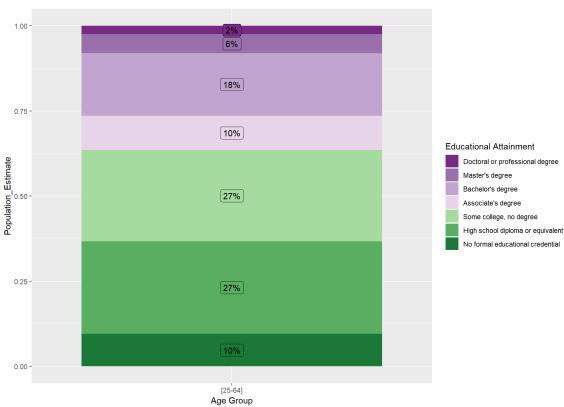
Source(s): Idaho Department of Labor (IDL), 2016-2026 U.S. Census Bureau, American Community Survey (ACS), 2012-2016

Attachment 1

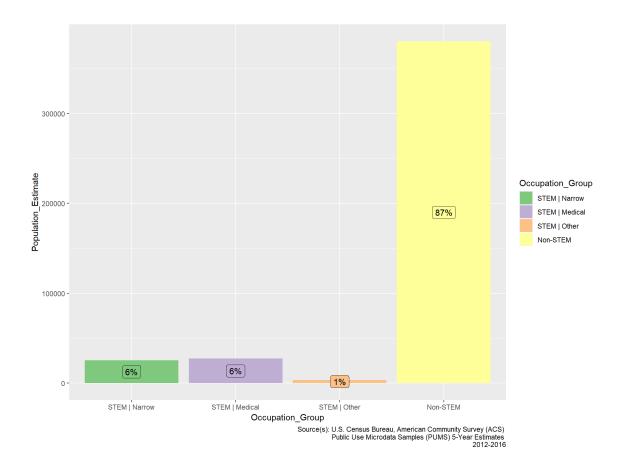
Idaho's Educational Attainment

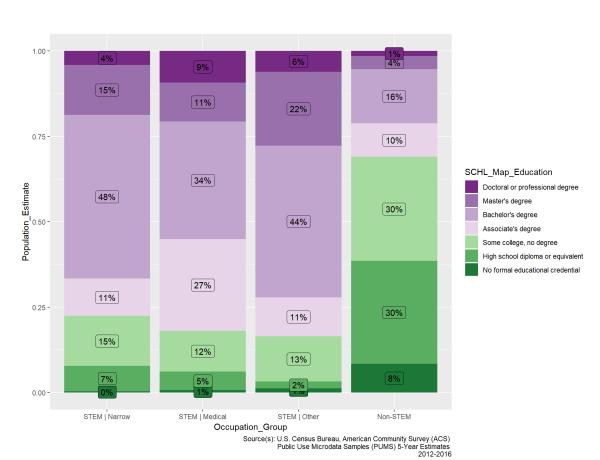


e Group Source(s): U.S. Census Bureau, American Community Survey (ACS) Public Use Microdata Samples (PUMS) 5-Year Estimates 2012-2016



Attachment 1

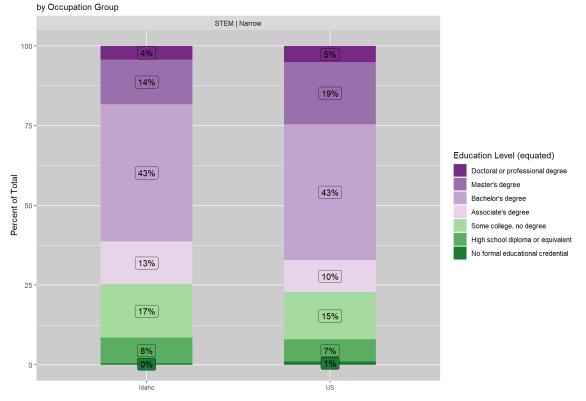




Attachment 1

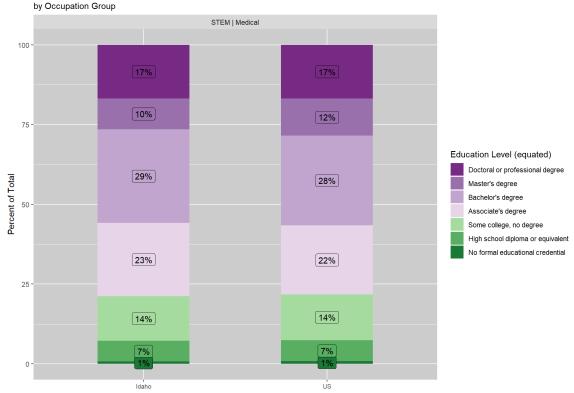
Educational Attainment Comparison Population Estimate in Labor Force and Age 25 to 64





Source(s): IPUMS USA: Steven Ruggles, Sarah Flood, Ronald Goeken, Josiah Grover, Erin Meyer, Jose Pacas, and Matthew Sobek 2017 American Community Survey 1-Year Estimates 2017

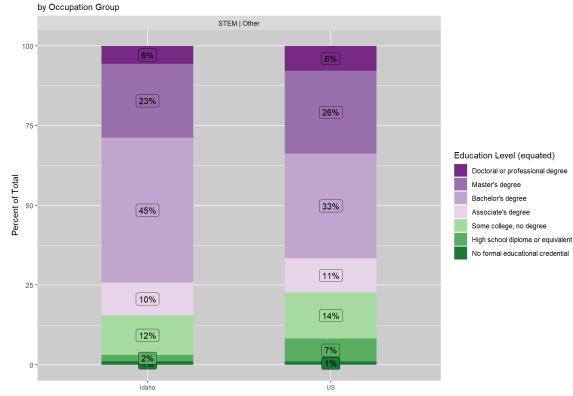
Educational Attainment Comparison Population Estimate in Labor Force and Age 25 to 64



Source(s): IPUMS USA: Steven Ruggles, Sarah Flood, Ronald Goeken, Josiah Grover, Erin Meyer, Jose Pacas, and Matthew Sobek 2017 American Community Survey 1-Year Estimates 2017

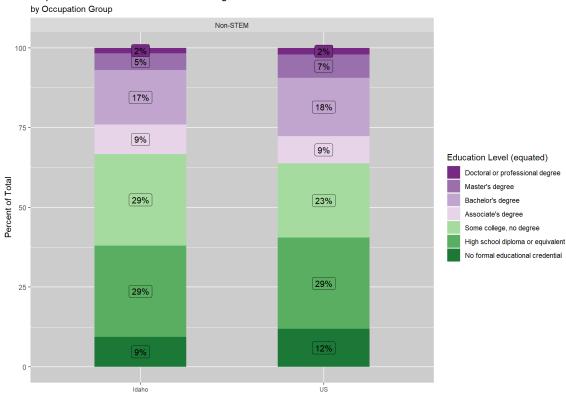
Attachment 1

Educational Attainment Comparison Population Estimate in Labor Force and Age 25 to 64



Source(s): IPUMS USA: Steven Ruggles, Sarah Flood, Ronald Goeken, Josiah Grover, Erin Meyer, Jose Pacas, and Matthew Sobek
2017 American Community Survey 1-Year Estimates
2017

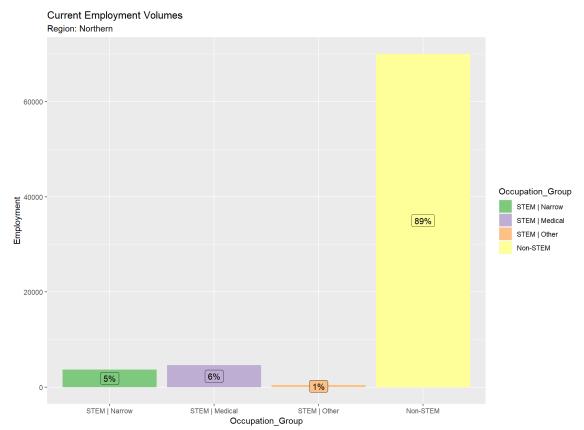
Educational Attainment Comparison Population Estimate in Labor Force and Age 25 to 64



Source(s): IPUMS USA: Steven Ruggles, Sarah Flood, Ronald Goeken, Josiah Grover, Erin Meyer, Jose Pacas, and Matthew Sobek 2017 American Community Survey 1-Year Estimates 2017

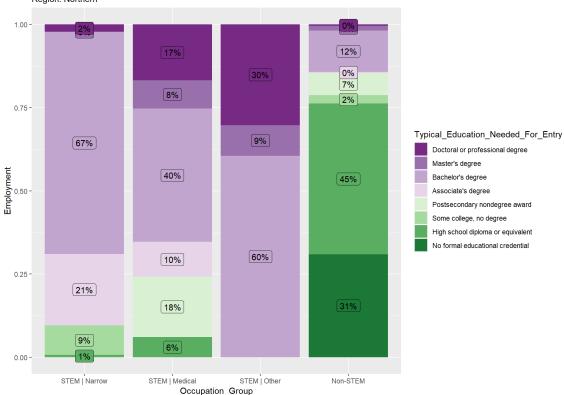
Attachment 1

Idaho Occupations

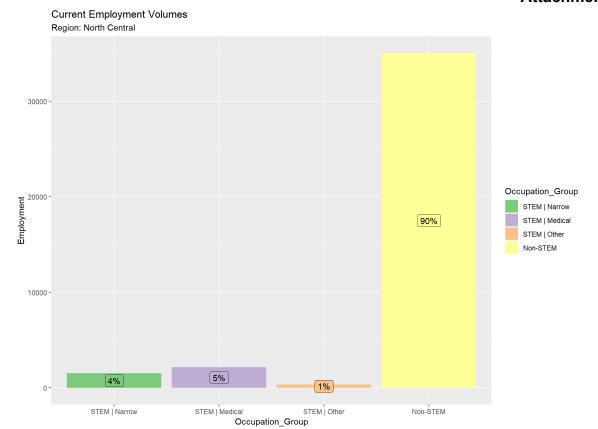


Source(s): Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

Current Employment mix of Required Education Region: Northern

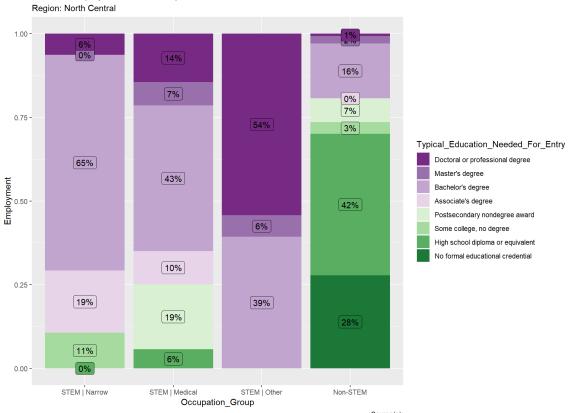


Attachment 1

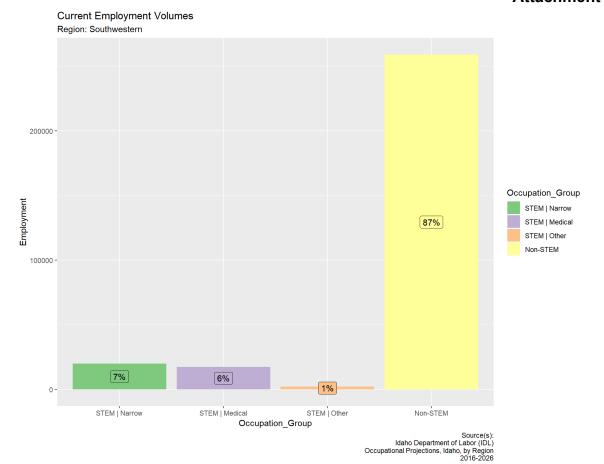


Source(s): Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

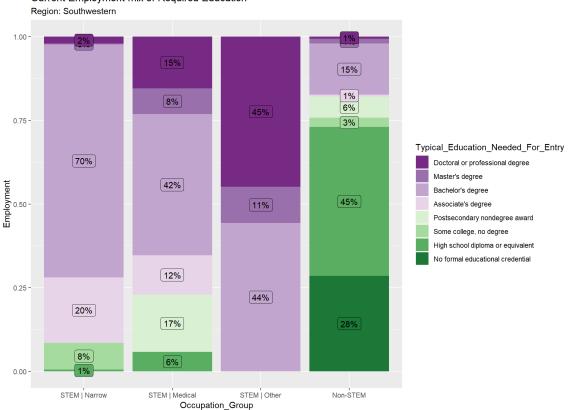
Current Employment mix of Required Education



Attachment 1

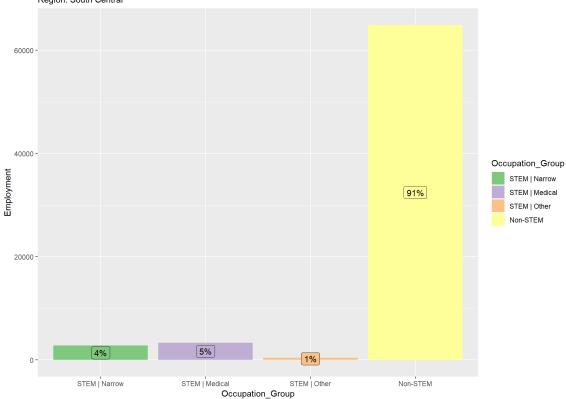


Current Employment mix of Required Education



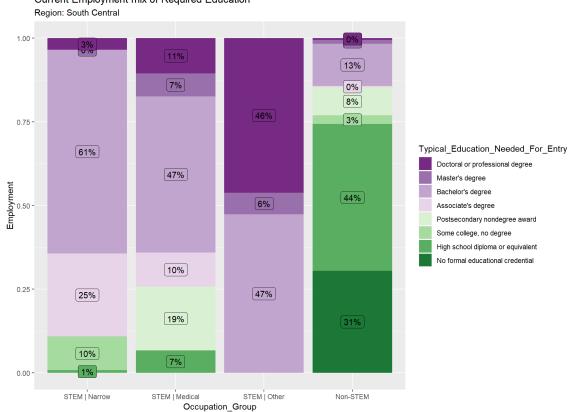
Attachment 1



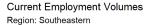


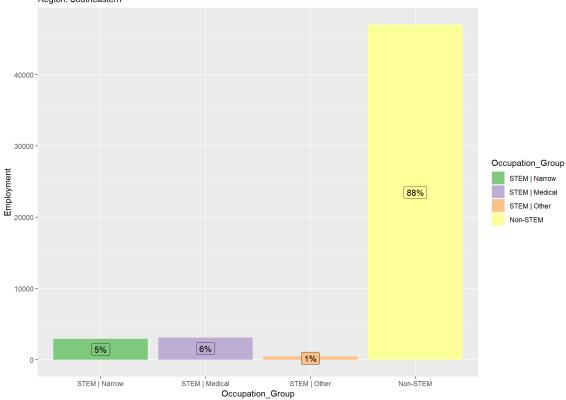
Source(s): Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

Current Employment mix of Required Education



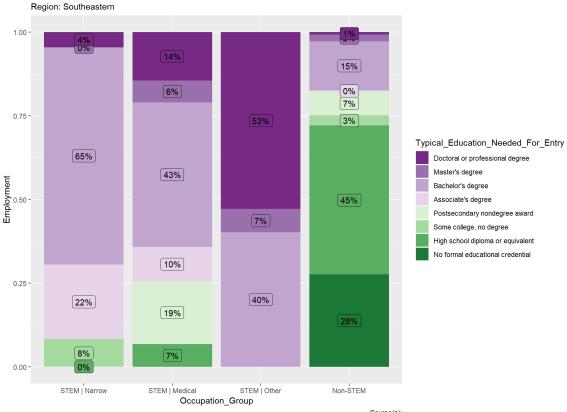
Attachment 1



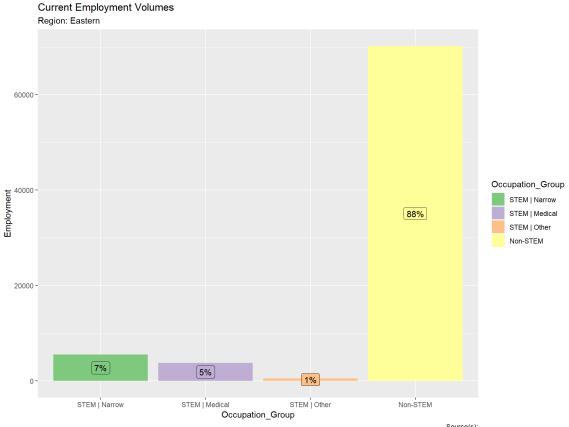


Source(s): Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

Current Employment mix of Required Education



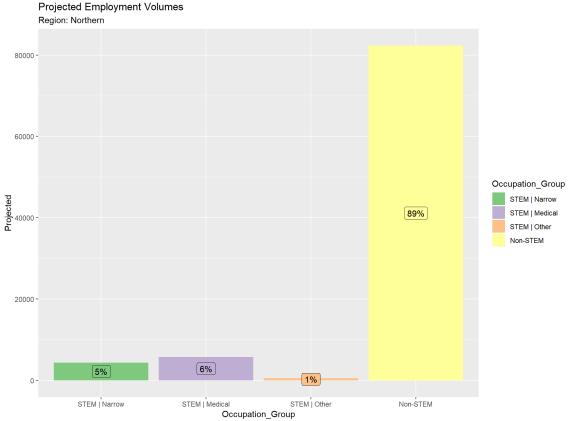
Attachment 1



Source(s): Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

Current Employment mix of Required Education Region: Eastern 1.00 16% 15% 1% 10% 7% 50% 0.75 3% Typical_Education_Needed_For_Entry 69% Doctoral or professional degree Master's degree Employment 39% Bachelor's degree 43% Associate's degree Postsecondary nondegree award 11% Some college, no degree High school diploma or equivalent No formal educational credential 10% 0.25 -39% 19% 17% 29% 8% 8% 0.00 -STEM | Narrow STEM | Medical STEM | Other Non-STEM Occupation_Group

Attachment 1



Source(s); Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

Region: Northern 1.00 -16% 13% 30% 0% 7% 9% 2% 0.75 -Typical_Education_Needed_For_Entry 8% 68% Doctoral or professional degree Master's degree 42% Projected 45% Bachelor's degree Associate's degree Postsecondary nondegree award Some college, no degree High school diploma or equivalent No formal educational credential 62% 11% 0.25 -21% 32% 17%

STEM | Other

Occupation_Group

Source(s): Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

Non-STEM

0.00 -

9%

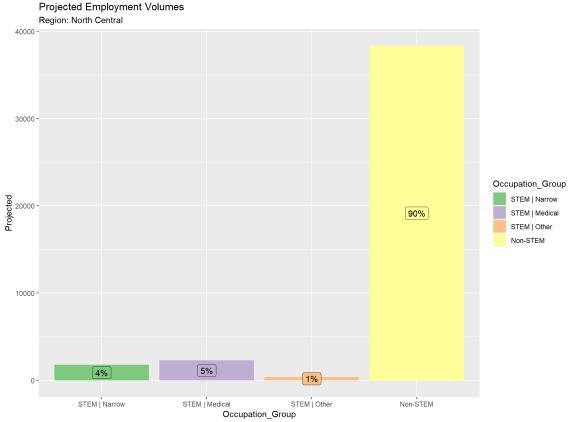
STEM | Narrow

6%

STEM | Medical

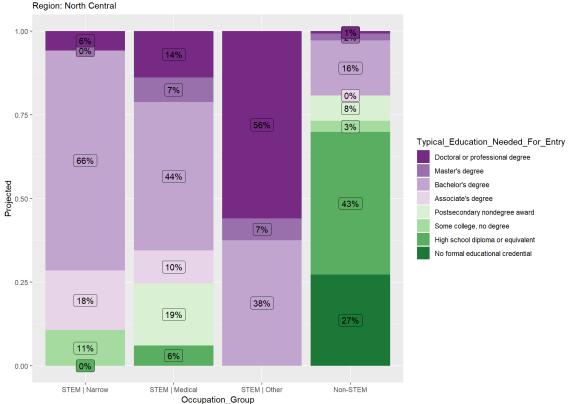
Projected Employment Mix of Required Education

Attachment 1

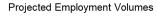


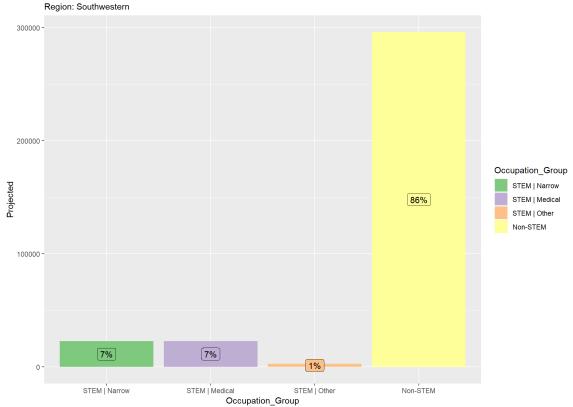
Source(s); Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

Projected Employment Mix of Required Education Region: North Central



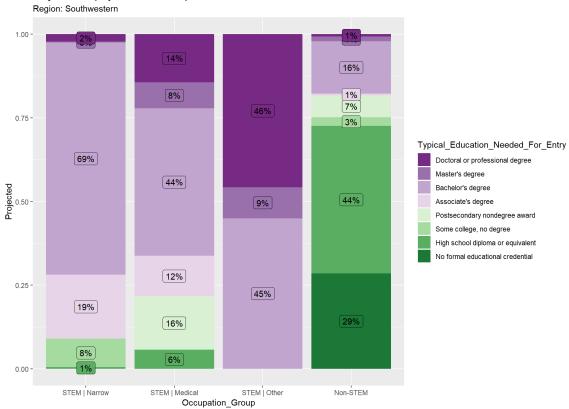
Attachment 1





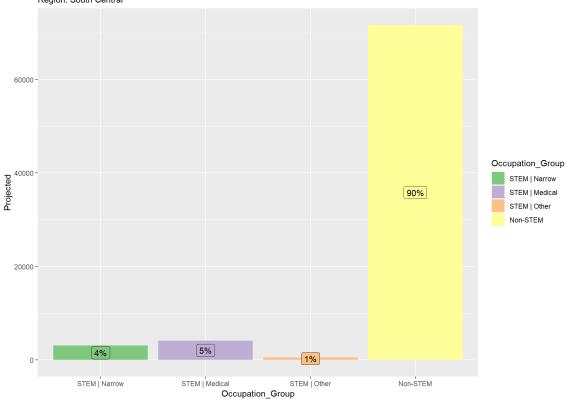
Source(s): Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

Projected Employment Mix of Required Education



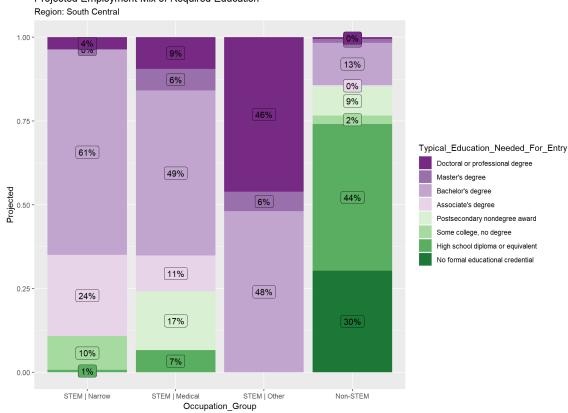
Attachment 1



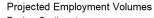


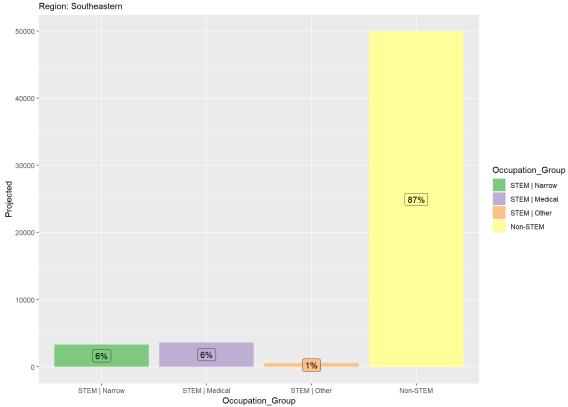
Source(s): Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

Projected Employment Mix of Required Education



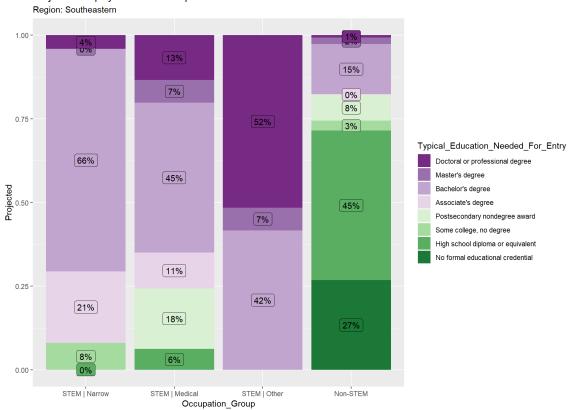
Attachment 1



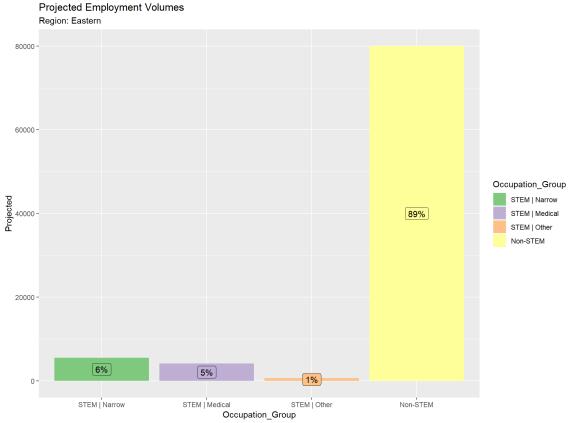


Source(s): Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

Projected Employment Mix of Required Education

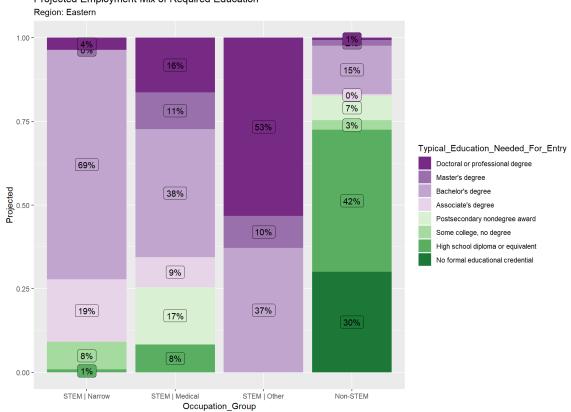


Attachment 1



Source(s): Idaho Department of Labor (IDL) Occupational Projections, Idaho, by Region 2016-2026

Projected Employment Mix of Required Education

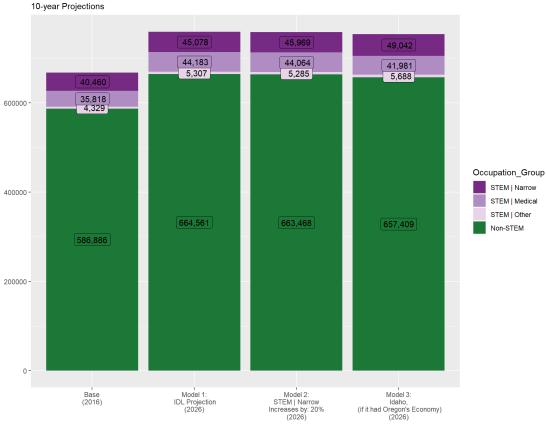


Attachment 1

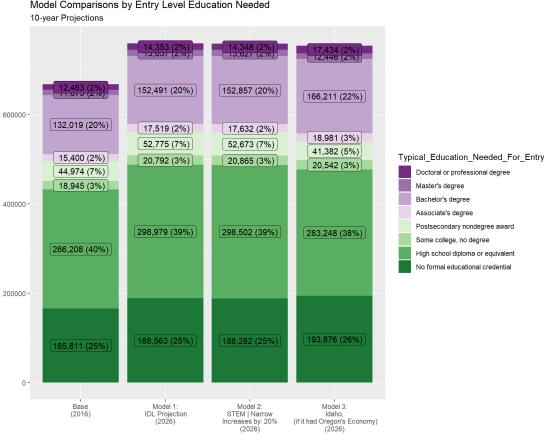
Projections: Occupations

Typical Education Needed for Entry

Model Comparisons by Occupation Group

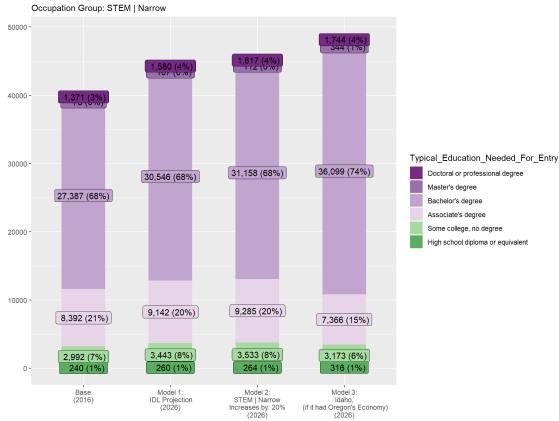


Model Comparisons by Entry Level Education Needed

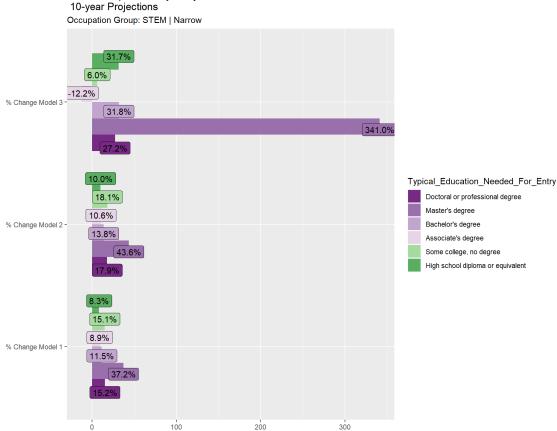


Attachment 1

Model Comparisons by Entry Level Education Needed 10-year Projections

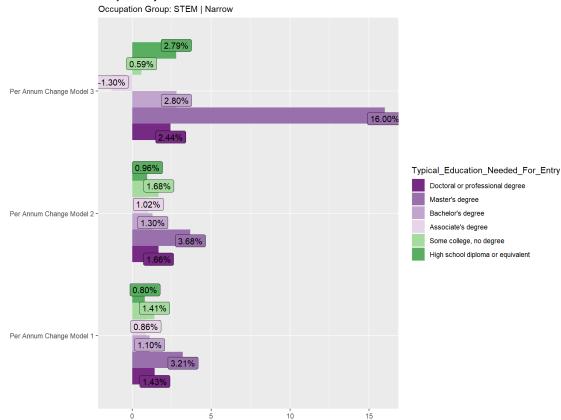


Model Comparisons by Entry Level Education Needed 10-year Projections

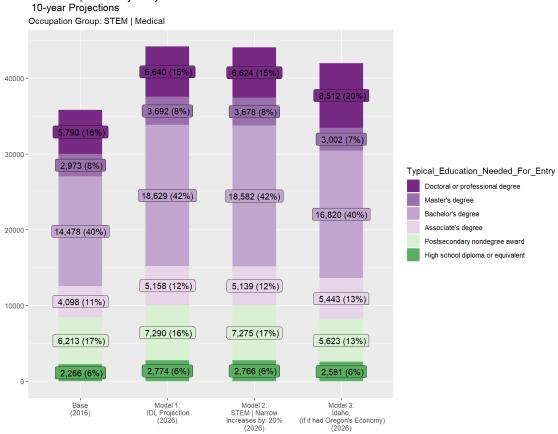


Attachment 1

Model Comparisons by Entry Level Education Needed 10-year Projections

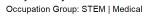


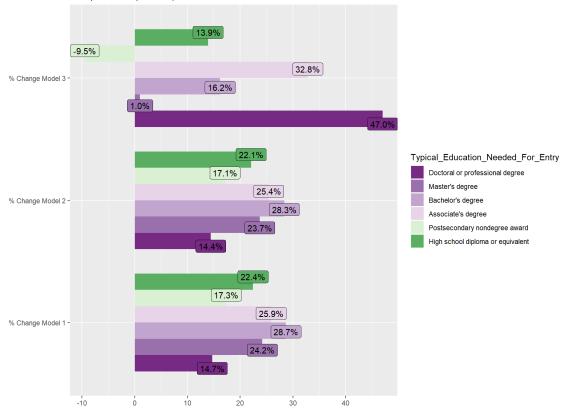
Model Comparisons by Entry Level Education Needed



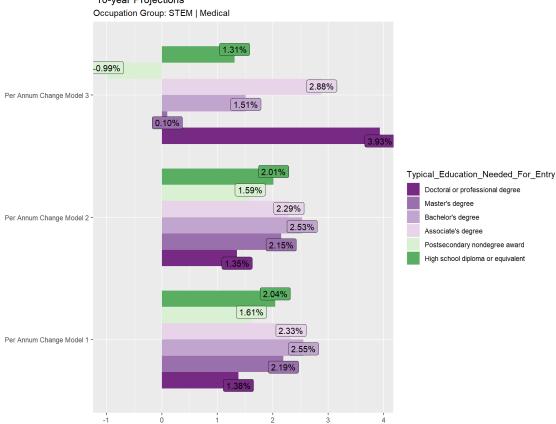
Attachment 1

Model Comparisons by Entry Level Education Needed 10-year Projections





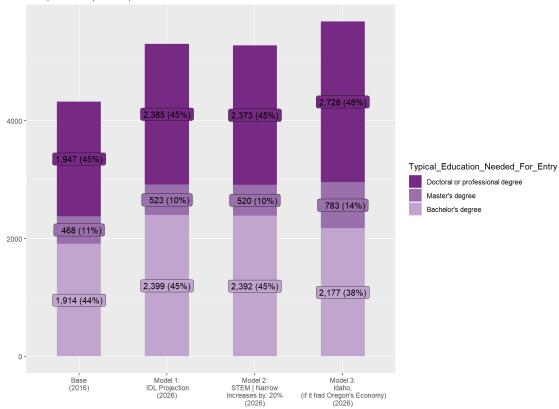
Model Comparisons by Entry Level Education Needed 10-year Projections



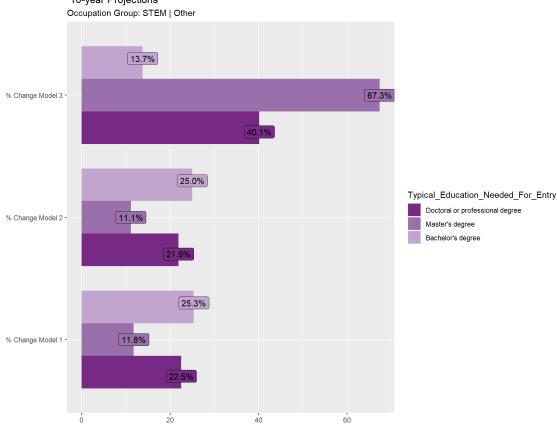
Attachment 1

Model Comparisons by Entry Level Education Needed 10-year Projections





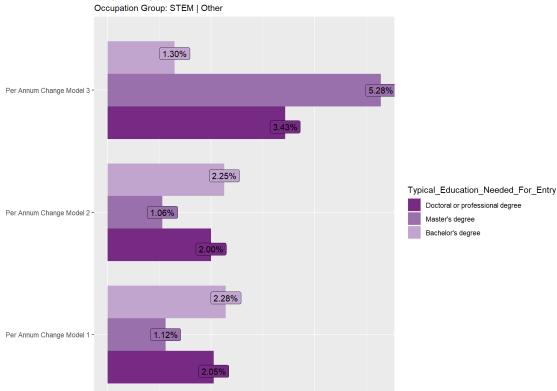
Model Comparisons by Entry Level Education Needed 10-year Projections



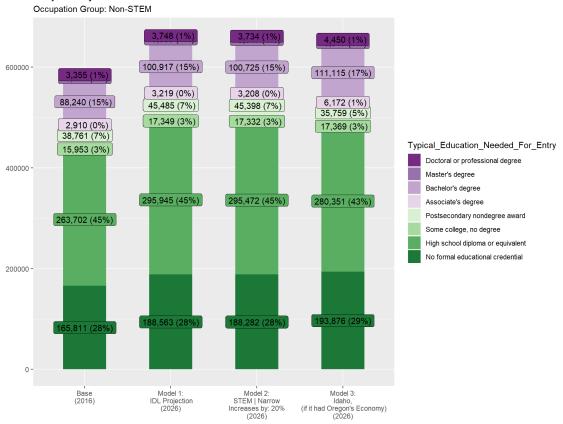
Attachment 1

Master's degree Bachelor's degree

Model Comparisons by Entry Level Education Needed 10-year Projections



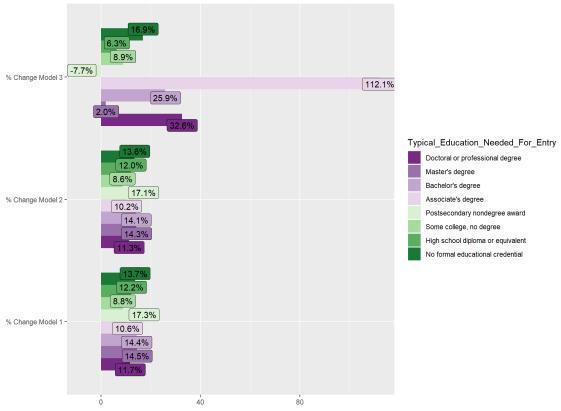
Model Comparisons by Entry Level Education Needed 10-year Projections



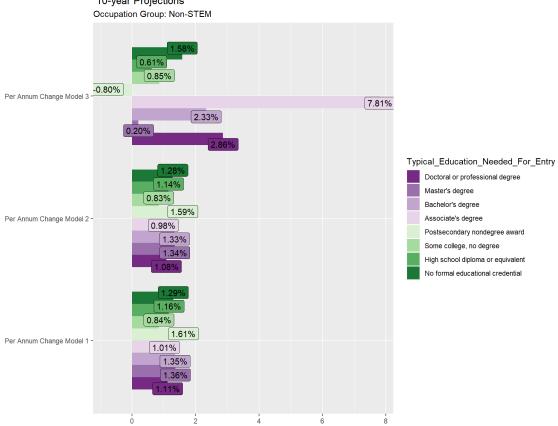
Attachment 1

Model Comparisons by Entry Level Education Needed 10-year Projections





Model Comparisons by Entry Level Education Needed 10-year Projections



Attachment 1

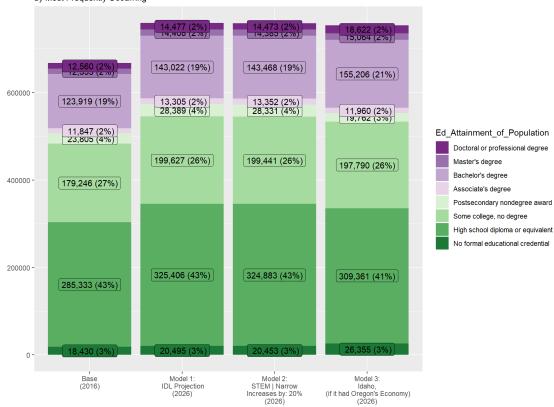
Educational Attainment of Population in Occupations

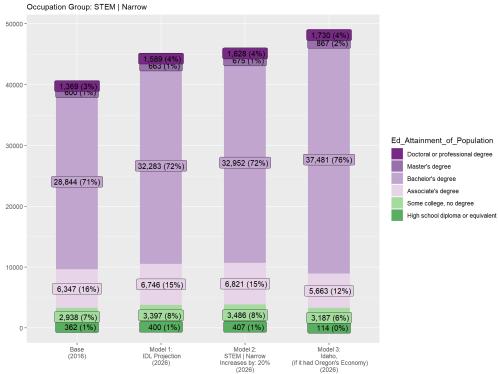
Most Frequently Occuring Educational Attainment

The Idaho Population Age 25 to 64 dataset was summarized by SOC Code and Educational Attainment, sorted descendigly by population estimate and then de-duplicated by SOC Code, allowing for only the most frequently occurring Educational Attainment to remain with each SOC code. Any SOC codes with a missing Education Attainment (because not all SOC Codes exist in the population dataset) were filled in with the Typical Education Required for Entry.

Model Comparisons of Educational Attainment of Population in those Occupations 10-year Projections

by Most Frequently Occurring

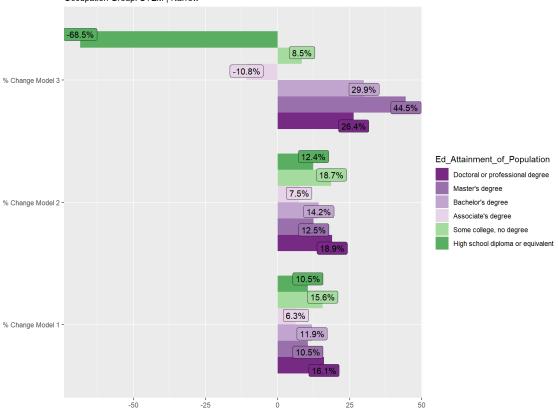


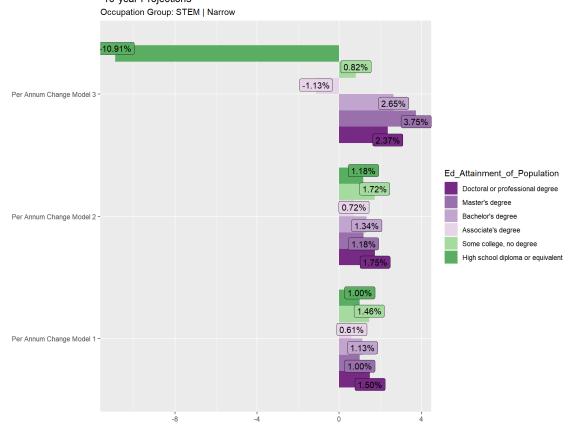


Attachment 1

Model Comparisons by Educational Attainment of Population in those Occupations 10-year Projections

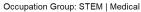
Occupation Group: STEM | Narrow



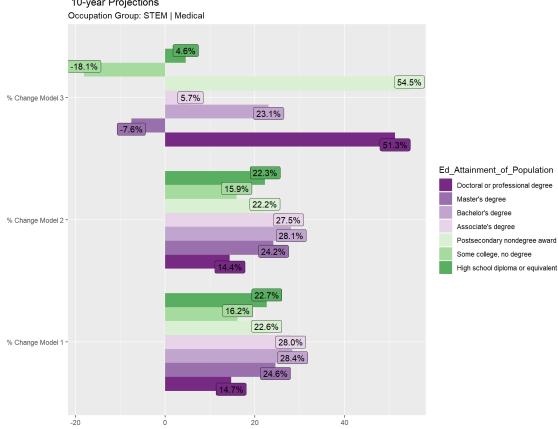


Attachment 1

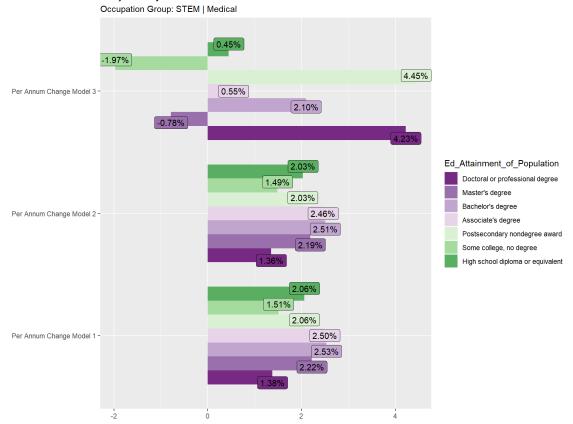
Model Comparisons by Educational Attainment of Population in those Occupations 10-year Projections







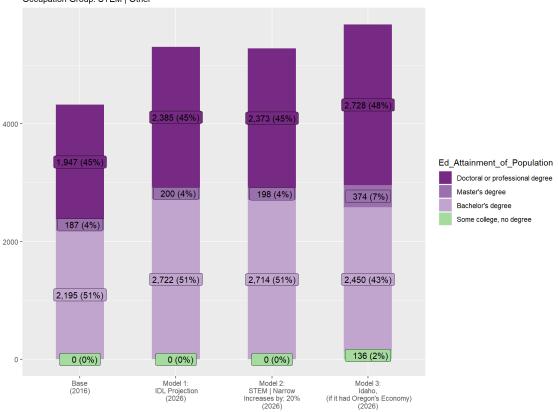
Attachment 1



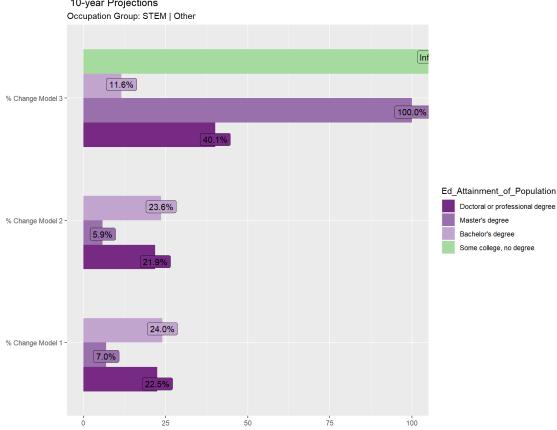
Attachment 1

Model Comparisons by Educational Attainment of Population in those Occupations 10-year Projections

Occupation Group: STEM | Other

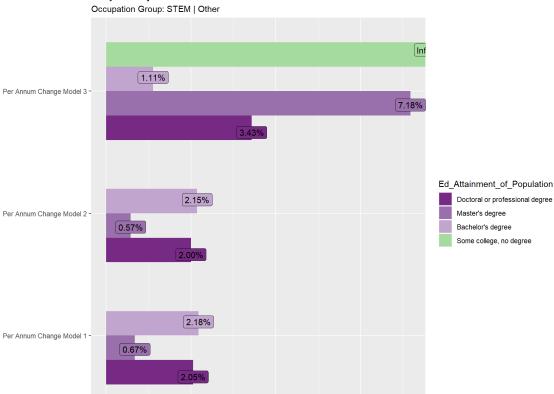


Model Comparisons by Educational Attainment of Population in those Occupations 10-year Projections

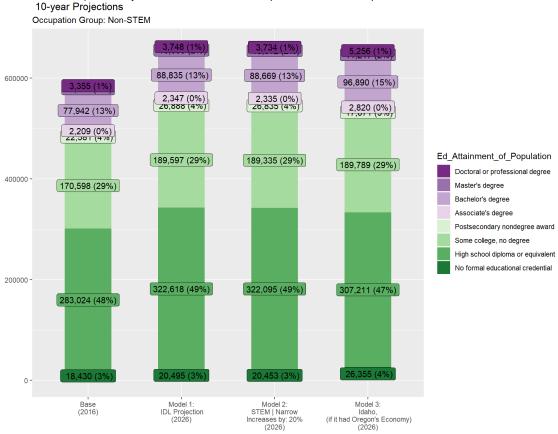


Attachment 1

Model Comparisons by Educational Attainment of Population in those Occupations 10-year Projections



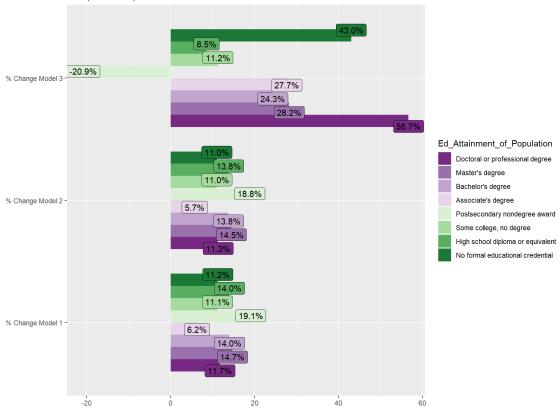
Model Comparisons by Educational Attainment of Population in those Occupations 10-year Projections



Attachment 1

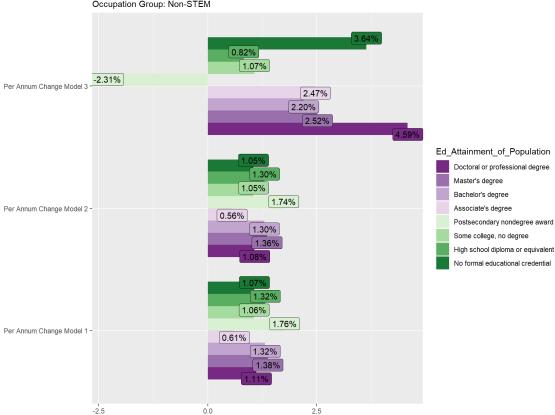
Model Comparisons by Educational Attainment of Population in those Occupations 10-year Projections





Model Comparisons by Educational Attainment of Population in those Occupations 10-year Projections

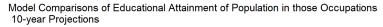


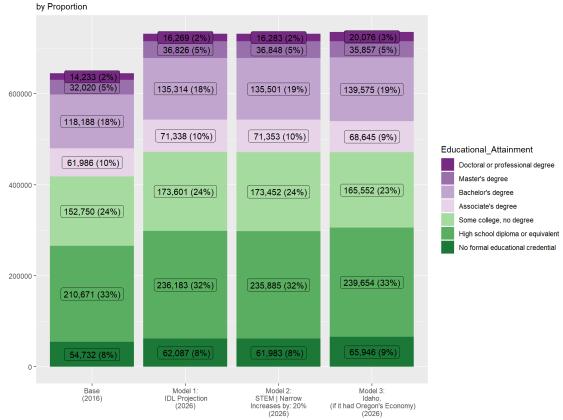


Attachment 1

The Idaho Population Age 25 to 64 dataset was summarized by SOC Code and Educational Attainment and a percent of total or proportion of each SOC Code-Educational Attainment combination was calculated. The Idaho Occupations dataset was merged with the population dataset on SOC Code, and any SOC Codes with missing Educational Attainment values (because not all SOC Codes exist in the population dataset) were filled in with the Typical Education Required for Entry. These records were also missing their percent of total values, so a value of 1 replaced any missing percent of total values (i.e. A SOC Code would only be missing one Educational Attainment value, therefore 100% of that Educational Attainment would be applied to results). The dataset was reshaped (wide) on Educational Attainment resulting in one record per SOC Code with a percent of total or proportion value for each Educational Attainment column. This dataset was joined again to Idaho Occupations on SOC Code, this time selecting base employment and employment projection values. Each of these employment values was multiplied by the percent of total Educational Attainment columns, resulting in proportional employment values for each Educational Attainment column for each SOC Code.

To visualize these models, the dataset was gathered (long) on the Educational Attainment columns, summarized by Model and Educational Attainment and then rendered in a plot.





Attachment 1

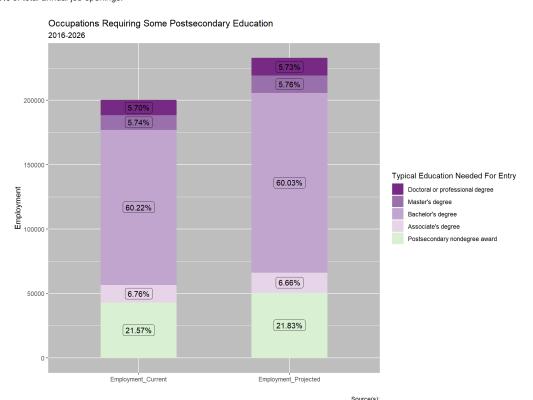
Idaho's overall projected employment growth from 2016-2026 is 14%.

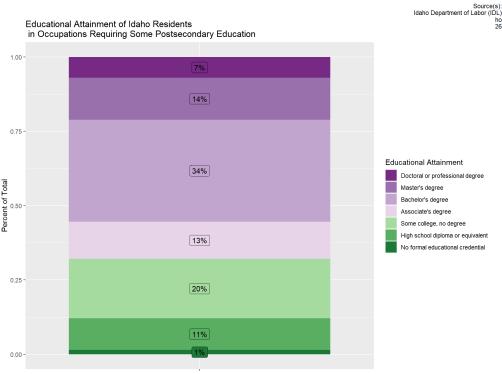
Occupations Requiring Some Postsecondary Education

"Some postsecondary education" includes occupations requiring the following typical education needed for entry: Bachelor's degree, Master's degree, Associate's degree, Postsecondary nondegree award, Doctoral or professional degree.

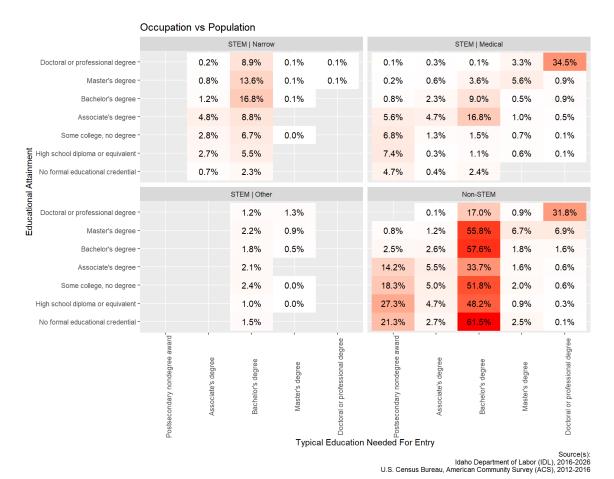
These occupations represent current employment figures of **200,095** out of a total of **667,493** (30%). Projected employment in these occupations is **232,645** out of a total of **759,129** (31%). Overall projected growth in these occupations is 16%, compared to a projected overall growth of 14%.

These occupations make up 25% of total annual job openings.





Attachment 1



Of the occupations in Idaho requiring some postsecondary education, the percentage of Idaho residents filling those occupations have an

• Bachelor's degree and above are 55%.

Educational Attainment of:

- Associate's degree and above are 68%.
- Some college, no degree and above are 88%.

Attachment 1

Idaho Education Completions

High Growth Occupations Linked to Postsecondary Completions

High Growth Occupations were determined by selecting the Idaho occupations with the highest projected growth and requiring some postsecondary education, linking them to postsecondary program completions using IPEDS's CIP to SOC crosswalk, and then removing duplicates based on SOC code. This methodology allows for one-to-one matching between CIP codes and SOC codes with a hierarchy on high growth projections.

Of the Postsecondary completions reported in 2016-17, there were 436 unique programs offered (based on CIP codes). 372 or (85%) of these programs have a corresponding High Growth occupation (based on CIP to SOC crosswalk).

To account for CIP award levels closely aligning to minimum occupation education requirements, selection criteria was applied ensuring only the appropriate award levels were tied to appropriate occupation needs. For example, if one of North Idaho College's CIP completion has an award level of Associate's degree yet the SOC code tied to it requires at least a Bachelor's degree, this condition does not meet the above selection criteria and the record is excluded.

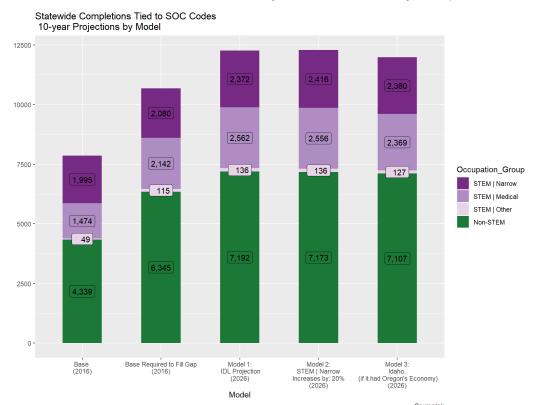
The table below shows the resulting completions for each institutions after undergoing the selection process.

Results of Selection Process for Completions by Institution

Instnm	Total Filter Completions	red No Soc Rem Tie	aining Soc Tie	Pct Remaining Soc Filter	Filtered Award Level Match	Total Remaining	Pct Remaining
Boise State University	4,706	506	4,200	89.25	878	3,322	70.59
College of Eastern Idaho	230	31	199	86.52	135	64	27.83
Idaho State University	2,421	207	2,214	91.45	549	1,665	68.77
University of Idaho	2,666	210	2,456	92.12	683	1,773	66.50
Lewis-Clark State College	960	70	890	92.71	389	501	52.19
North Idaho College	1,194	168	1,026	85.93	922	104	8.71
College of Southern Idaho	1,054	151	903	85.67	699	204	19.35
College of Western Idaho	1,494	258	1,236	82.73	950	286	19.14

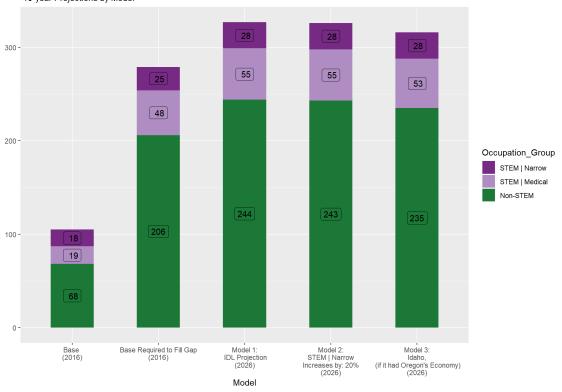
Projections: Education Completions Required to Fill The Gap

The following assumes that 60% of all occupations requiring some postsecondary education are filled by someone with a credential from a public Idaho institution. It is also assumed that credential earners do not leave their regions and are available to fill the regional occupation needs.



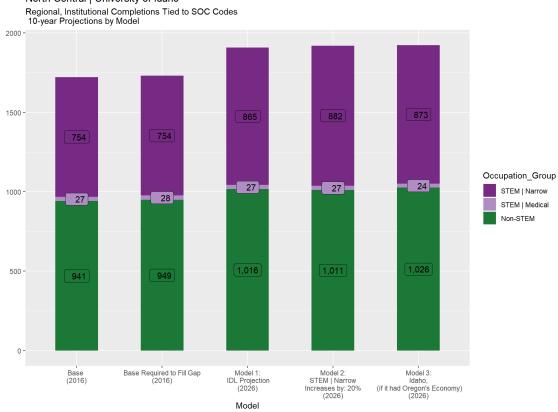
Attachment 1

Northern | North Idaho College Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



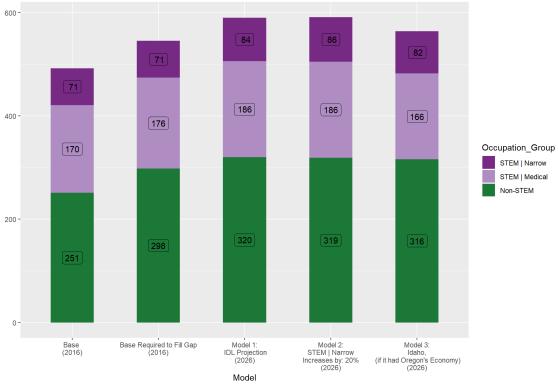
Source(s): Integrated Postsecondary Education Data System (IPEDS) IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level July 1, 2016 to June 30, 2017

North Central | University of Idaho



Attachment 1

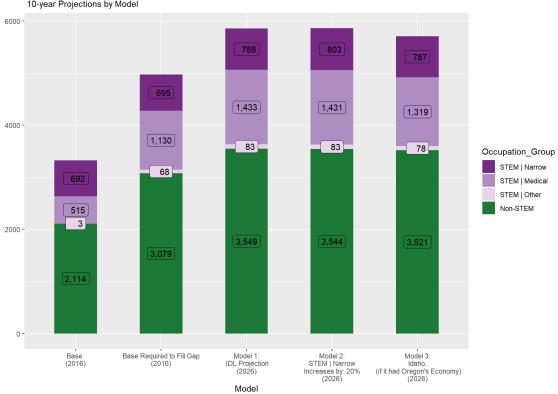




Source(s): Integrated Postsecondary Education Data System (IPEDS) IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level July 1, 2016 to June 30, 2017

Southwestern | Boise State University

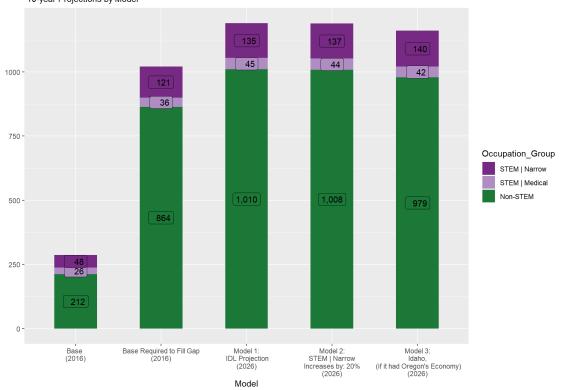
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Attachment 1



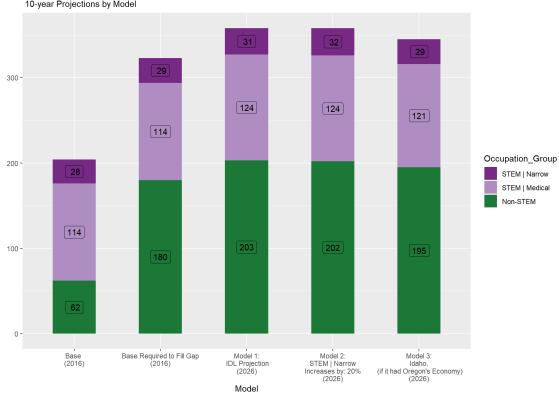
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Source(s): Integrated Postsecondary Education Data System (IPEDS) IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level July 1, 2016 to June 30, 2017

South Central | College of Southern Idaho

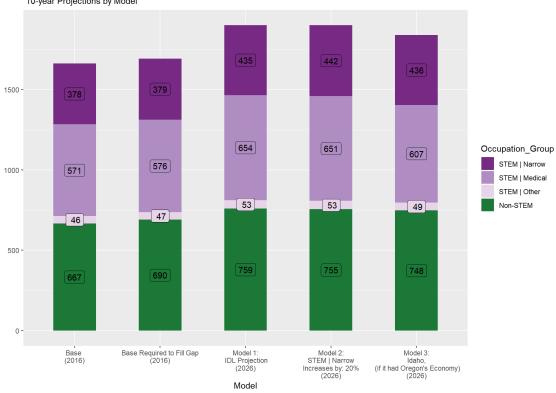
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Attachment 1

Southeastern | Idaho State University

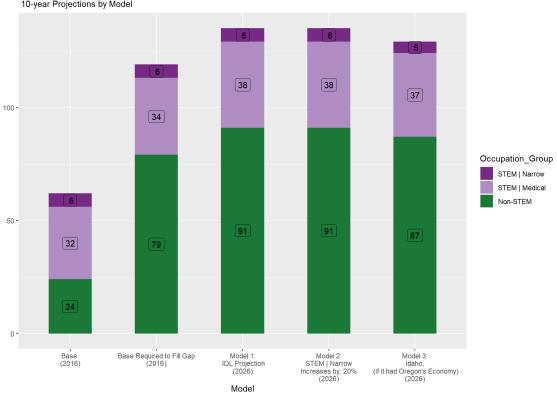
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Source(s): Integrated Postsecondary Education Data System (IPEDS) IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level July 1, 2016 to June 30, 2017

Eastern | College of Eastern Idaho

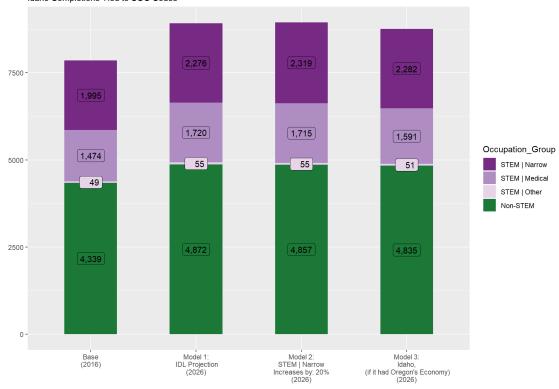
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Attachment 1

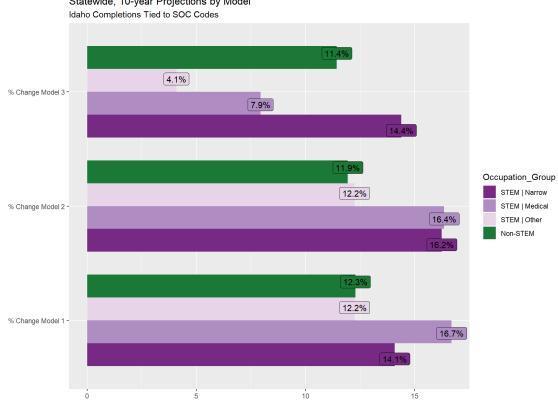
Projections: Education Completions at Base



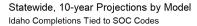


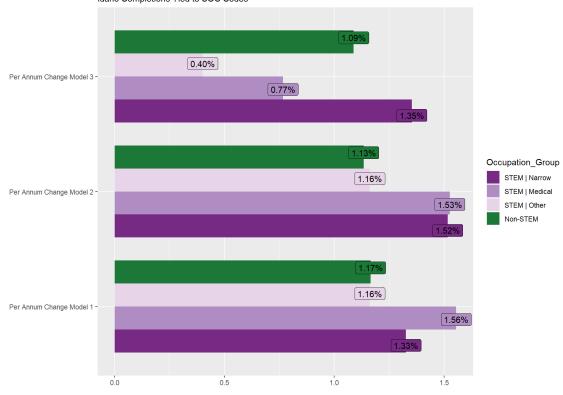
Source(s): Integrated Postsecondary Education Data System (IPEDS) IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level July 1, 2016 to June 30, 2017

Statewide, 10-year Projections by Model



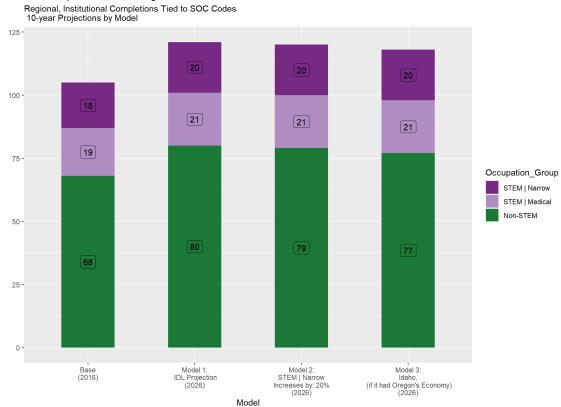
Attachment 1



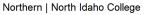


Source(s): Integrated Postsecondary Education Data System (IPEDS) IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level July 1, 2016 to June 30, 2017

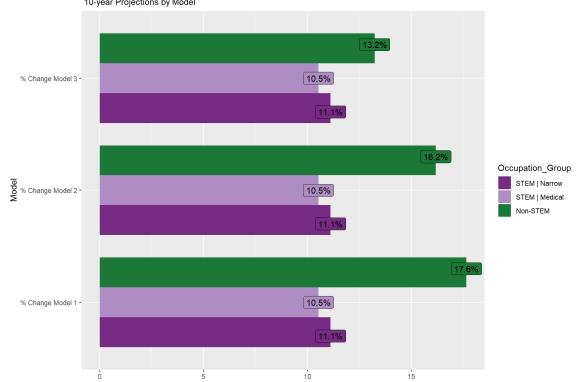
Northern | North Idaho College



Attachment 1

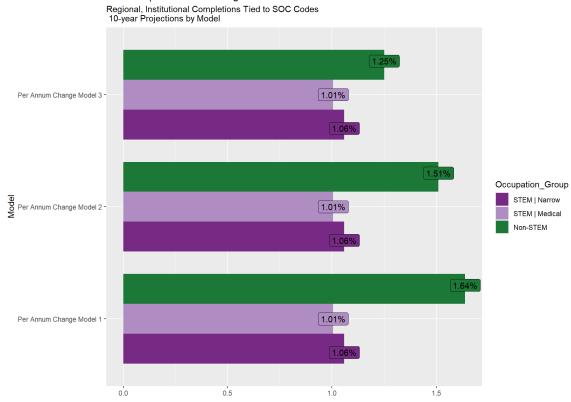


Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Source(s): Integrated Postsecondary Education Data System (IPEDS) IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level July 1, 2016 to June 30, 2017

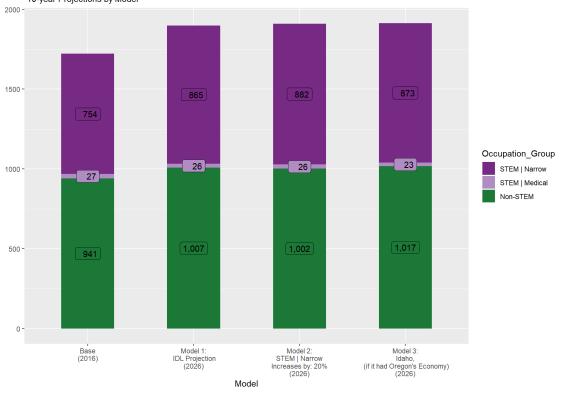
Northern | North Idaho College



Attachment 1



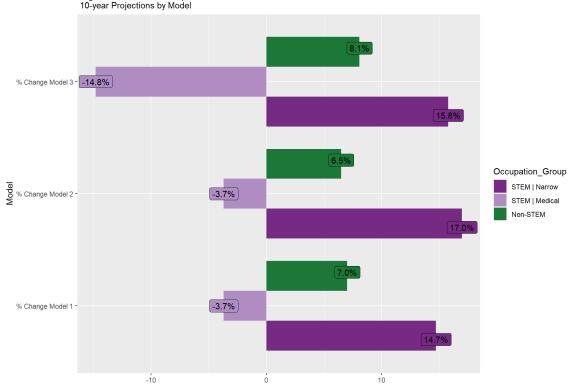
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Source(s): Integrated Postsecondary Education Data System (IPEDS) IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level July 1, 2016 to June 30, 2017

North Central | University of Idaho

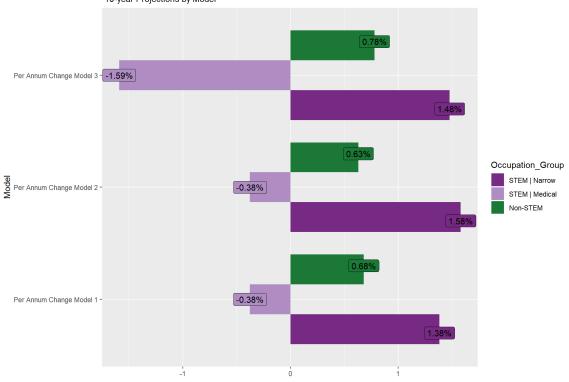
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Attachment 1

North Central | University of Idaho

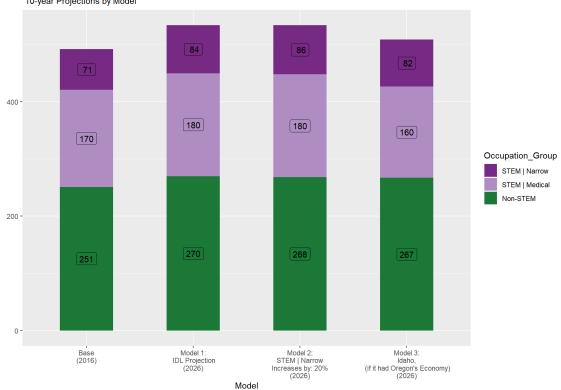
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



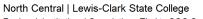
Source(s): Integrated Postsecondary Education Data System (IPEDS) IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level July 1, 2016 to June 30, 2017

North Central | Lewis-Clark State College

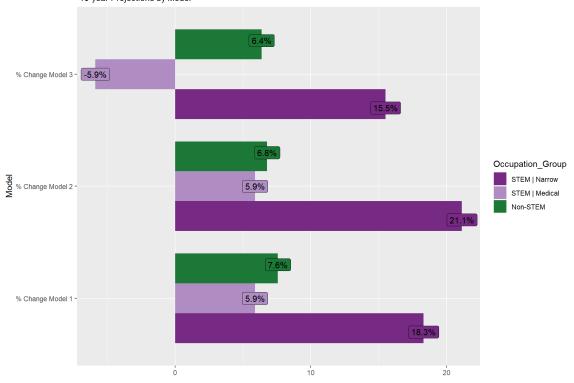
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Attachment 1



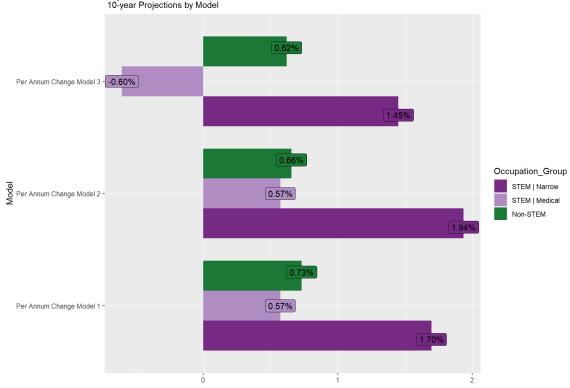
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Source(s): Integrated Postsecondary Education Data System (IPEDS) IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level July 1, 2016 to June 30, 2017

North Central | Lewis-Clark State College

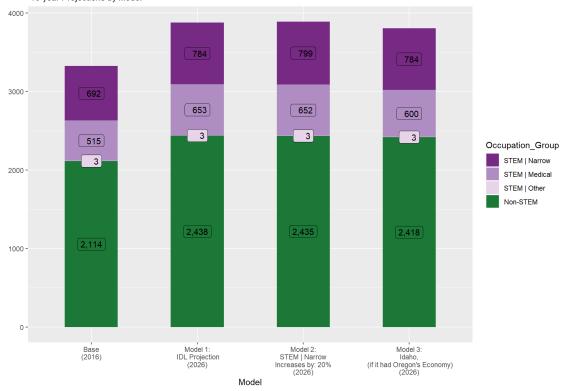
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Attachment 1

Southwestern | Boise State University

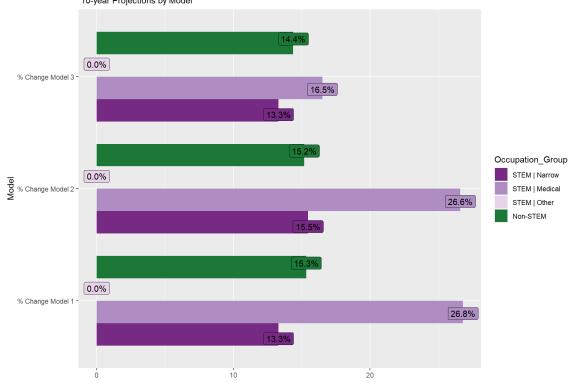
Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Source(s): Integrated Postsecondary Education Data System (IPEDS) IPEDS Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level July 1, 2016 to June 30, 2017

Southwestern | Boise State University

Regional, Institutional Completions Tied to SOC Codes 10-year Projections by Model



Attachment 1

Appendix

Assumptions & Limitations

Bureau of Labor Statistics and Idaho Department of Labor do not provide estimates or actuals for the following occupations:

- 1. Military Specific Occupations (55-0000 Major Group)
- 2. Fishing and Hunting Workers (45-3000 Minor Group)

ACS's "Educational attainment" (SCHL) had to be mapped to BLS's "Typical education needed for entry"

- There is no direct analog to BLS's "Postsecondary nondegree award"
- It could be mapped to "Some college, but less than 1 year" or "1 or more years of college credit, no degree". For now, these ACS categories are mapped to "Some college, no degree".

Code Mappings

Mapping SCHL to Typical_Education_Needed_For_Entry

SCHL	Typical_Education_Needed_For_Entry
No schooling completed	No formal educational credential
Nursery school, preschool	No formal educational credential
Kindergarten	No formal educational credential
Grade 1	No formal educational credential
Grade 2	No formal educational credential
Grade 3	No formal educational credential
Grade 4	No formal educational credential
Grade 5	No formal educational credential
Grade 6	No formal educational credential
Grade 7	No formal educational credential
Grade 8	No formal educational credential
Grade 9	No formal educational credential
Grade 10	No formal educational credential
Grade 11	No formal educational credential
12th grade - no diploma	No formal educational credential
Regular high school diploma	High school diploma or equivalent
GED or alternative credential	High school diploma or equivalent
Some college, but less than 1 year	Some college, no degree
1 or more years of college credit, no degree	Some college, no degree
Associate's degree	Associate's degree
Bachelor's degree	Bachelor's degree
Master's degree	Master's degree
Professional degree beyond a bachelor's degree	Doctoral or professional degree

Professional degree beyond a bachelor's degreeDoctoral or professional degree

Doctorate degree

Doctoral or professional degree

Listing of SOC Codes by Occupation Group

Occupation_Grou	pOccupation_Group_Source	SOC_2010_Code SOC_Title		
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	11-3021	Computer and information systems managers	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	11-9041	Architectural and engineering managers	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	11-9121	Natural sciences managers	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1111	Computer and information research scientists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1121	Computer systems analysts	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1122	Information security analysts	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1131	Computer programmers	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1132	Software developers, applications	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1133	Software developers, systems software	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1134	Web developers	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1141	Database administrators	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1142	Network and computer systems administrators	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1143	Computer network architects	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1151	Computer user support specialists	

			2 1110.01111101
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1152	Computer network support specialists
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-1199	Computer occupations, all other
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-2011	Actuaries
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-2021	Mathematicians
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-2031	Operations research analysts
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	15-2041	Statisticians
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES SOCPolicyCommittee Both Policy	15-2091	Mathematical technicians
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	15-2099	Mathematical science occupations, all other
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-1011	Architects, except landscape and naval
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-1012	Landscape architects
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-1021	Cartographers and photogrammetrists
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-1022	Surveyors
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-2011	Aerospace engineers
STEM Narrow STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-2021 17-2031	Agricultural engineers
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-2031	Biomedical engineers Chemical engineers
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-2041	Civil engineers
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-2061	Computer hardware engineers
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-2071	Electrical engineers
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-2072	Electronics engineers, except computer
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-2081	Environmental engineers
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy Committee and OES	17-2111	Health and safety engineers, except mining safety engineers and inspectors
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-2112	Industrial engineers
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-2121	Marine engineers and naval architects
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-2131	Materials engineers
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-2141	Mechanical engineers
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-2151	Mining and geological engineers, including mining safety engineers
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-2161	Nuclear engineers
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-2171	Petroleum engineers
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-2199	Engineers, all other
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-3011	Architectural and civil drafters
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-3012	Electrical and electronics drafters
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-3013	Mechanical drafters
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-3019	Drafters, all other
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES SOCPolicyCommittee Both Policy	17-3021	Aerospace engineering and operations technicians
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	17-3022	Civil engineering technicians
STEM Narrow	Committee and OES	17-3023	Electrical and electronics engineering technicians

				Attacimic
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-3024	Electro-mechanical technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-3025	Environmental engineering technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-3026	Industrial engineering technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-3027	Mechanical engineering technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-3029	Engineering technicians, except drafters, all other	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	17-3031	Surveying and mapping technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1011	Animal scientists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1012	Food scientists and technologists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1013	Soil and plant scientists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1021	Biochemists and biophysicists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1022	Microbiologists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1023	Zoologists and wildlife biologists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1029	Biological scientists, all other	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1031	Conservation scientists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1032	Foresters	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1041	Epidemiologists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1042	Medical scientists, except epidemiologists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-1099	Life scientists, all other	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-2011	Astronomers	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-2012	Physicists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-2021	Atmospheric and space scientists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-2031	Chemists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-2032	Materials scientists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-2041	Environmental scientists and specialists, including	health
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-2042	Geoscientists, except hydrologists and geographe	ers
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-2043	Hydrologists	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-2099	Physical scientists, all other	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-4011	Agricultural and food science technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-4021	Biological technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-4031	Chemical technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-4041	Geological and petroleum technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-4051	Nuclear technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-4091	Environmental science and protection technicians	, including health
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-4092	Forensic science technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-4093	Forest and conservation technicians	
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	19-4099	Life, physical, and social science technicians, all o	other
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	25-1021	Computer science teachers, postsecondary	

			Attachmen
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	25-1022	Mathematical science teachers, postsecondary
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	25-1031	Architecture teachers, postsecondary
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	25-1032	Engineering teachers, postsecondary
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	25-1041	Agricultural sciences teachers, postsecondary
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	25-1042	Biological science teachers, postsecondary
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	25-1043	Forestry and conservation science teachers, postsecondary
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	25-1051	Atmospheric, earth, marine, and space sciences teachers, postsecondary
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	25-1052	Chemistry teachers, postsecondary
STEM Narrow	SOCPolicyCommittee Both Policy Committee and OES	25-1053	Environmental science teachers, postsecondary
STEM Narrow	SOCPolicyCommittee Both Policy	25-1054	Physics teachers, postsecondary
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	41-4011	Sales representatives, wholesale and manufacturing, technical and
STEM Narrow	Committee and OES SOCPolicyCommittee Both Policy	41-9031	scientific products Sales engineers
STEM Medical	Committee and OES SOCPolicyCommittee Policy	29-1011	Chiropractors
STEM Medical	Committee only SOCPolicyCommittee Policy	29-1021	Dentists, general
STEM Medical	Committee only SOCPolicyCommittee Policy	29-1022	Oral and maxillofacial surgeons
·	Committee only SOCPolicyCommittee Policy		ŭ
STEM Medical	Committee only SOCPolicyCommittee Policy	29-1023	Orthodontists
STEM Medical	Committee only SOCPolicyCommittee Policy	29-1024	Prosthodontists
STEM Medical	Committee only SOCPolicyCommittee Policy	29-1029	Dentists, all other specialists
STEM Medical	Committee only SOCPolicyCommittee Policy	29-1031	Dietitians and nutritionists
STEM Medical	Committee only SOCPolicyCommittee Policy	29-1041	Optometrists
STEM Medical	Committee only SOCPolicyCommittee Policy	29-1051	Pharmacists
STEM Medical	Committee only	29-1061	Anesthesiologists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1062	Family and general practitioners
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1063	Internists, general
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1064	Obstetricians and gynecologists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1065	Pediatricians, general
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1066	Psychiatrists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1067	Surgeons
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1069	Physicians and surgeons, all other
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1071	Physician assistants
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1081	Podiatrists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1122	Occupational therapists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1123	Physical therapists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1124	Radiation therapists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1125	Recreational therapists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1126	Respiratory therapists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1127	Speech-language pathologists
	,		

			7166
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1128	Exercise physiologists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1129	Therapists, all other
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1131	Veterinarians
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1141	Registered nurses
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1151	Nurse anesthetists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1161	Nurse midwives
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1171	Nurse practitioners
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1181	Audiologists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-1199	Health diagnosing and treating practitioners, all other
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2011	Medical and clinical laboratory technologists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2012	Medical and clinical laboratory technicians
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2021	Dental hygienists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2031	Cardiovascular technologists and technicians
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2032	Diagnostic medical sonographers
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2033	Nuclear medicine technologists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2034	Radiologic technologists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2035	Magnetic resonance imaging technologists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2041	Emergency medical technicians and paramedics
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2051	Dietetic technicians
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2052	Pharmacy technicians
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2053	Psychiatric technicians
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2054	Respiratory therapy technicians
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2055	Surgical technologists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2056	Veterinary technologists and technicians
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2057	Ophthalmic medical technicians
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2061	Licensed practical and licensed vocational nurses
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2071	Medical records and health information technicians
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2081	Opticians, dispensing
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2091	Orthotists and prosthetists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2092	Hearing aid specialists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-2099	Health technologists and technicians, all other
STEM Medical	SOCPolicyCommittee Policy Committee only	29-9011	Occupational health and safety specialists
STEM Medical	SOCPolicyCommittee Policy Committee only	29-9012	Occupational health and safety technicians
STEM Medical	SOCPolicyCommittee Policy Committee only	29-9091	Athletic trainers
STEM Medical	SOCPolicyCommittee Policy Committee only	29-9092	Genetic counselors
STEM Medical	SOCPolicyCommittee Policy Committee only	29-9099	Healthcare practitioners and technical workers, all other
STEM Other	SOCPolicyCommittee Policy Committee only	11-9111	Medical and health services managers

			Attaonin
STEM Other	SOCPolicyCommittee Policy	19-3011	Economists
	Committee only SOCPolicyCommittee Policy		
STEM Other	Committee only	19-3022	Survey researchers
OTEM LOGIC	SOCPolicyCommittee Policy	40.0004	Official consolitors and ashard associate
STEM Other	Committee only	19-3031	Clinical, counseling, and school psychologists
STEM Other	SOCPolicyCommittee Policy	19-3032	Industrial-organizational psychologists
0.2, 0	Committee only	.0002	maaattai orgamizationai poyonologioto
STEM Other	SOCPolicyCommittee Policy	19-3039	Psychologists, all other
	Committee only SOCPolicyCommittee Policy		
STEM Other	Committee only	19-3041	Sociologists
STEM Other	SOCPolicyCommittee Policy	19-3051	Urban and regional planners
STEM Other	Committee only	19-3031	Orban and regional planners
STEM Other	SOCPolicyCommittee Policy	19-3091	Anthropologists and archeologists
	Committee only SOCPolicyCommittee Policy		
STEM Other	Committee only	19-3092	Geographers
	SOCPolicyCommittee Policy		- W
STEM Other	Committee only	19-3094	Political scientists
STEM Other	SOCPolicyCommittee Policy	19-3099	Social scientists and related workers, all other
OTEN Othor	Committee only	10 0000	Coolai colonilote ana rolatea workere, ali etrior
STEM Other	SOCPolicyCommittee Policy	19-4061	Social science research assistants
	Committee only SOCPolicyCommittee Policy		
STEM Other	Committee only	25-1061	Anthropology and archeology teachers, postsecondary
CTEM I Other	SOCPolicyCommittee Policy	25 4002	Augustinia and sultiural attidica tanahana mastanasadami
STEM Other	Committee only	25-1062	Area, ethnic, and cultural studies teachers, postsecondary
STEM Other	SOCPolicyCommittee Policy	25-1063	Economics teachers, postsecondary
·	Committee only		•
STEM Other	SOCPolicyCommittee Policy Committee only	25-1064	Geography teachers, postsecondary
OTEN LOU	SOCPolicyCommittee Policy	05.4005	B. Pirita de la companya della companya della companya de la companya de la companya della compa
STEM Other	Committee only	25-1065	Political science teachers, postsecondary
STEM Other	SOCPolicyCommittee Policy	25-1066	Psychology teachers, postsecondary
0.12	Committee only	20 .000	. Sychology toucholo, postocolidally
STEM Other	SOCPolicyCommittee Policy Committee only	25-1067	Sociology teachers, postsecondary
	SOCPolicyCommittee Policy		
STEM Other	Committee only	25-1069	Social sciences teachers, postsecondary, all other
STEM Other	SOCPolicyCommittee Policy	25-1071	Health specialties teachers, postsecondary
OTENT OTICE	Committee only	25 1071	riculti specialities teachers, postsecondary
STEM Other	SOCPolicyCommittee Policy	25-1072	Nursing instructors and teachers, postsecondary
Non-STEM	Committee only	11-1011	Chief executives
Non-STEM		11-1021	General and operations managers
Non-STEM		11-1031	Legislators
Non-STEM		11-2011	Advertising and promotions managers
Non-STEM		11-2021	Marketing managers
Non-STEM		11-2022	Sales managers
Non-STEM		11-2031	Public relations and fundraising managers
Non-STEM		11-3011	Administrative services managers
Non-STEM		11-3031	Financial managers
Non-STEM		11-3051	Industrial production managers
Non-STEM		11-3061	Purchasing managers
Non-STEM Non-STEM		11-3071 11-3111	Transportation, storage, and distribution managers
Non-STEM		11-3121	Compensation and benefits managers Human resources managers
Non-STEM		11-3131	Training and development managers
Non-STEM		11-9013	Farmers, ranchers, and other agricultural managers
Non-STEM		11-9021	Construction managers
Non-STEM		11-9031	Education administrators, preschool and childcare center/program
Non-STEM		11-9032	Education administrators, elementary and secondary school
Non-STEM		11-9033	Education administrators, postsecondary
Non-STEM		11-9039	Education administrators, all other
Non-STEM		11-9051	Food service managers
Non-STEM		11-9061	Funeral service managers
Non-STEM		11-9071	Gaming managers
Non-STEM		11-9081	Lodging managers
Non-STEM Non-STEM		11-9131 11-9141	Postmasters and mail superintendents Property, real estate, and community association managers
Non-STEM		11-9141	Social and community service managers
Non-STEM		11-9161	Emergency management directors
Non-STEM		11-9199	Managers, all other
			•

		Attachm
Non-STEM	13-1011	Agents and business managers of artists, performers, and athletes
Non-STEM	13-1021	Buyers and purchasing agents, farm products
Non-STEM	13-1022	Wholesale and retail buyers, except farm products
Non-STEM	13-1023	Purchasing agents, except wholesale, retail, and farm products
Non-STEM	13-1031	Claims adjusters, examiners, and investigators
Non-STEM	13-1032	Insurance appraisers, auto damage
Non-STEM	13-1041	Compliance officers
Non-STEM	13-1051	Cost estimators
Non-STEM	13-1071	Human resources specialists
Non-STEM	13-1074	Farm labor contractors
Non-STEM	13-1075	Labor relations specialists
Non-STEM	13-1081	Logisticians
Non-STEM	13-1111	Management analysts
Non-STEM	13-1121	Meeting, convention, and event planners
Non-STEM	13-1131	Fundraisers
Non-STEM	13-1141	
		Compensation, benefits, and job analysis specialists
Non-STEM	13-1151	Training and development specialists
Non-STEM	13-1161	Market research analysts and marketing specialists
Non-STEM	13-1199	Business operations specialists, all other
Non-STEM	13-2011	Accountants and auditors
Non-STEM	13-2021	Appraisers and assessors of real estate
Non-STEM	13-2031	Budget analysts
Non-STEM	13-2041	Credit analysts
Non-STEM	13-2051	Financial analysts
Non-STEM	13-2052	Personal financial advisors
Non-STEM	13-2053	Insurance underwriters
Non-STEM	13-2061	Financial examiners
Non-STEM	13-2071	Credit counselors
Non-STEM	13-2072	Loan officers
Non-STEM	13-2081	Tax examiners and collectors, and revenue agents
Non-STEM	13-2082	Tax preparers
Non-STEM	13-2099	Financial specialists, all other
Non-STEM	19-3093	Historians
Non-STEM	21-1011	Substance abuse and behavioral disorder counselors
Non-STEM	21-1012	Educational, guidance, school, and vocational counselors
Non-STEM	21-1013	Marriage and family therapists
Non-STEM	21-1013	Mental health counselors
Non-STEM	21-1014	Rehabilitation counselors
Non-STEM	21-1019	Counselors, all other
Non-STEM	21-1021	Child, family, and school social workers
Non-STEM	21-1022	Healthcare social workers
Non-STEM	21-1023	Mental health and substance abuse social workers
Non-STEM	21-1029	Social workers, all other
Non-STEM	21-1091	Health educators
Non-STEM	21-1092	Probation officers and correctional treatment specialists
Non-STEM	21-1093	Social and human service assistants
Non-STEM	21-1094	Community health workers
Non-STEM	21-1099	Community and social service specialists, all other
Non-STEM	21-2011	Clergy
Non-STEM	21-2021	Directors, religious activities and education
Non-STEM	21-2099	Religious workers, all other
Non-STEM	23-1011	Lawyers
Non-STEM	23-1012	Judicial law clerks
Non-STEM	23-1021	Administrative law judges, adjudicators, and hearing officers
Non-STEM	23-1022	Arbitrators, mediators, and conciliators
Non-STEM	23-1023	Judges, magistrate judges, and magistrates
Non-STEM	23-2011	Paralegals and legal assistants
Non-STEM	23-2091	Court reporters
Non-STEM	23-2093	Title examiners, abstractors, and searchers
Non-STEM	23-2099	Legal support workers, all other
Non-STEM	25-1011	Business teachers, postsecondary
Non-STEM	25-1081	Education teachers, postsecondary
Non-STEM	25-1082	Library science teachers, postsecondary
Non-STEM	25-1111	Criminal justice and law enforcement teachers, postsecondary
Non-STEM	25-1112	Law teachers, postsecondary
Non-STEM	25-1113	Social work teachers, postsecondary
Non-STEM	25-1121	Art, drama, and music teachers, postsecondary
Non-STEM	25-1122	Communications teachers, postsecondary
Non-STEM	25-1123	English language and literature teachers, postsecondary
Non-STEM	25-1124	Foreign language and literature teachers, postsecondary
Non-STEM	25-1125	History teachers, postsecondary
Non-STEM	25-1126	Philosophy and religion teachers, postsecondary
Non-STEM	25-1191	Graduate teaching assistants
Non-STEM	25-1192	Home economics teachers, postsecondary
	20 1102	Socionino todonoro, podocomidary

		Attachine
Non-STEM	25-1193	Recreation and fitness studies teachers, postsecondary
Non-STEM	25-1194	Vocational education teachers, postsecondary
Non-STEM	25-1199	Postsecondary teachers, all other
Non-STEM	25-2011	Preschool teachers, except special education
Non-STEM	25-2012	Kindergarten teachers, except special education
Non-STEM	25-2021	Elementary school teachers, except special education
Non CTEM	25 2022	Middle school teachers, except special and career/technical
Non-STEM	25-2022	education
Non-STEM	25-2023	Career/technical education teachers, middle school
N. OTEM	05.0004	Secondary school teachers, except special and career/technical
Non-STEM	25-2031	education
Non-STEM	25-2032	Career/technical education teachers, secondary school
Non-STEM	25-2051	Special education teachers, preschool
Non-STEM	25-2052	Special education teachers, kindergarten and elementary school
Non-STEM	25-2053	Special education teachers, middle school
Non-STEM	25-2054	Special education teachers, secondary school
Non-STEM	25-2059	Special education teachers, all other
		Adult basic and secondary education and literacy teachers and
Non-STEM	25-3011	instructors
Non-STEM	25-3021	Self-enrichment education teachers
Non-STEM	25-3099	Teachers and instructors, all other
Non-STEM	25-4011	Archivists
Non-STEM	25-4012	Curators
Non-STEM	25-4013	Museum technicians and conservators
Non-STEM	25-4013	Librarians
Non-STEM	25-4021	Library technicians
Non-STEM	25-9011	Audio-visual and multimedia collections specialists
Non-STEM	25-9011	Farm and home management advisors
		č
Non-STEM	25-9031	Instructional coordinators
Non-STEM	25-9041	Teacher assistants
Non-STEM	25-9099	Education, training, and library workers, all other
Non-STEM	27-1011	Art directors
Non-STEM	27-1012	Craft artists
Non-STEM	27-1013	Fine artists, including painters, sculptors, and illustrators
Non-STEM	27-1014	Multimedia artists and animators
Non-STEM	27-1019	Artists and related workers, all other
Non-STEM	27-1021	Commercial and industrial designers
Non-STEM	27-1022	Fashion designers
Non-STEM	27-1023	Floral designers
Non-STEM	27-1024	Graphic designers
Non-STEM	27-1025	Interior designers
Non-STEM	27-1026	Merchandise displayers and window trimmers
Non-STEM	27-1027	Set and exhibit designers
Non-STEM	27-1029	Designers, all other
Non-STEM	27-2011	Actors
Non-STEM	27-2012	Producers and directors
Non-STEM	27-2021	Athletes and sports competitors
Non-STEM	27-2022	Coaches and scouts
Non-STEM	27-2023	Umpires, referees, and other sports officials
Non-STEM	27-2031	Dancers
Non-STEM	27-2032	Choreographers
Non-STEM	27-2041	Music directors and composers
Non-STEM	27-2042	Musicians and singers
Non-STEM	27-2099	Entertainers and performers, sports and related workers, all other
Non-STEM	27-3011	Radio and television announcers
Non-STEM	27-3012	Public address system and other announcers
Non-STEM	27-3021	Broadcast news analysts
Non-STEM	27-3022	Reporters and correspondents
Non-STEM	27-3031	Public relations specialists
Non-STEM	27-3041	Editors
Non-STEM	27-3042	Technical writers
Non-STEM	27-3043	Writers and authors
Non-STEM	27-3091	Interpreters and translators
Non-STEM	27-3099	Media and communication workers, all other
Non-STEM	27-4011	Audio and video equipment technicians
Non-STEM	27-4012	Broadcast technicians
Non-STEM	27-4013	Radio operators
Non-STEM	27-4014	Sound engineering technicians
Non-STEM	27-4021	Photographers
Non-STEM	27-4031	Camera operators, television, video, and motion picture
Non-STEM	27-4032	Film and video editors
Non-STEM	27-4099	Media and communication equipment workers, all other
Non-STEM	31-1011	Home health aides
Non-STEM	31-1013	Psychiatric aides
THOSE OF LIVE	31-1013	. Systillatio aldos

		Attaciiilei
Non-STEM	31-1014	Nursing assistants
Non-STEM	31-1015	Orderlies
Non-STEM	31-2011	Occupational therapy assistants
Non-STEM	31-2012	Occupational therapy aides
Non-STEM	31-2021	Physical therapist assistants
Non-STEM	31-2022	Physical therapist aides
Non-STEM	31-9011	Massage therapists
Non-STEM	31-9011	Dental assistants
Non-STEM		Medical assistants
	31-9092	
Non-STEM	31-9093	Medical equipment preparers
Non-STEM	31-9094	Medical transcriptionists
Non-STEM	31-9095	Pharmacy aides
Non-STEM	31-9096	Veterinary assistants and laboratory animal caretakers
Non-STEM	31-9097	Phlebotomists
Non-STEM	31-9099	Healthcare support workers, all other
Non-STEM	33-1011	First-line supervisors of correctional officers
Non-STEM	33-1012	First-line supervisors of police and detectives
Non-STEM	33-1021	First-line supervisors of fire fighting and prevention workers
Non-STEM	33-1099	First-line supervisors of protective service workers, all other
Non-STEM	33-2011	Firefighters
Non-STEM	33-2021	-
Non-STEM		Fire inspectors and investigators
	33-2022	Forest fire inspectors and prevention specialists
Non-STEM	33-3011	Bailiffs
Non-STEM	33-3012	Correctional officers and jailers
Non-STEM	33-3021	Detectives and criminal investigators
Non-STEM	33-3031	Fish and game wardens
Non-STEM	33-3041	Parking enforcement workers
Non-STEM	33-3051	Police and sheriff's patrol officers
Non-STEM	33-3052	Transit and railroad police
Non-STEM	33-9011	Animal control workers
Non-STEM	33-9021	Private detectives and investigators
Non-STEM	33-9031	Gaming surveillance officers and gaming investigators
Non-STEM	33-9032	Security guards
Non-STEM		
NOII-S I EIVI	33-9091	Crossing guards
Non-STEM	33-9092	Lifeguards, ski patrol, and other recreational protective service
		workers
Non-STEM	33-9093	Transportation security screeners
Non-STEM	33-9099	Protective service workers, all other
Non-STEM	35-1011	Chefs and head cooks
Non-STEM	35-1012	First-line supervisors of food preparation and serving workers
Non-STEM	35-2011	Cooks, fast food
Non-STEM	35-2012	Cooks, institution and cafeteria
Non-STEM	35-2013	Cooks, private household
Non-STEM	35-2014	Cooks, restaurant
Non-STEM	35-2015	Cooks, short order
Non-STEM	35-2019	Cooks, all other
Non-STEM	35-2021	Food preparation workers
Non-STEM	35-3011	Bartenders
Non-STEM	35-3021	Combined food preparation and serving workers, including fast food
Non-STEM	35-3022	Counter attendants, cafeteria, food concession, and coffee shop
Non-STEM	35-3031	Waiters and waitresses
Non-STEM	35-3041	Food servers, nonrestaurant
Non-STEM	35-9011	Dining room and cafeteria attendants and bartender helpers
Non-STEM	35-9021	Dishwashers
Non-STEM	35-9031	Hosts and hostesses, restaurant, lounge, and coffee shop
Non-STEM	35-9099	Food preparation and serving related workers, all other
Non-STEM	37-1011	First-line supervisors of housekeeping and janitorial workers
		First-line supervisors of landscaping, lawn service, and
Non-STEM	37-1012	groundskeeping workers
Non-STEM	37-2011	Janitors and cleaners, except maids and housekeeping cleaners
Non-STEM	37-2012	Maids and housekeeping cleaners
Non-STEM	37-2019	Building cleaning workers, all other
Non-STEM	37-2021	Pest control workers
Non-STEM	37-3011	Landscaping and groundskeeping workers
Non-STEM	37-3012	Pesticide handlers, sprayers, and applicators, vegetation
Non-STEM	37-3013	Tree trimmers and pruners
Non-STEM	37-3019	Grounds maintenance workers, all other
Non-STEM	39-1011	Gaming supervisors
Non-STEM	39-1012	Slot supervisors
Non-STEM	39-1021	First-line supervisors of personal service workers
Non-STEM	39-2011	Animal trainers
Non-STEM	39-2021	Nonfarm animal caretakers
Non-STEM	39-3011	
		Gaming dealers
Non-STEM	39-3012	Gaming and sports book writers and runners

		Attachme
Non-STEM	39-3019	Gaming service workers, all other
Non-STEM	39-3021	Motion picture projectionists
Non-STEM	39-3031	Ushers, lobby attendants, and ticket takers
Non-STEM	39-3091	Amusement and recreation attendants
Non-STEM	39-3092	Costume attendants
Non-STEM	39-3093	Locker room, coatroom, and dressing room attendants
Non-STEM	39-3099	Entertainment attendants and related workers, all other Embalmers
Non-STEM Non-STEM	39-4011 39-4021	Funeral attendants
Non-STEM	39-4031	Morticians, undertakers, and funeral directors
Non-STEM	39-5011	Barbers
Non-STEM	39-5012	Hairdressers, hairstylists, and cosmetologists
Non-STEM	39-5091	Makeup artists, theatrical and performance
Non-STEM	39-5092	Manicurists and pedicurists
Non-STEM	39-5093	Shampooers
Non-STEM	39-5094	Skincare specialists
Non-STEM	39-6011	Baggage porters and bellhops
Non-STEM	39-6012	Concierges
Non-STEM	39-7011	Tour guides and escorts
Non-STEM	39-7012	Travel guides
Non-STEM	39-9011	Childcare workers
Non-STEM	39-9021	Personal care aides
Non-STEM	39-9031	Fitness trainers and aerobics instructors
Non-STEM	39-9032	Recreation workers
Non-STEM	39-9041	Residential advisors
Non-STEM	39-9099	Personal care and service workers, all other
Non-STEM	41-1011	First-line supervisors of retail sales workers
Non-STEM	41-1012	First-line supervisors of non-retail sales workers
Non-STEM Non-STEM	41-2011 41-2012	Cashiers Gaming change persons and booth cashiers
Non-STEM	41-2012	Counter and rental clerks
Non-STEM	41-2022	Parts salespersons
Non-STEM	41-2031	Retail salespersons
Non-STEM	41-3011	Advertising sales agents
Non-STEM	41-3021	Insurance sales agents
Non-STEM	41-3031	Securities, commodities, and financial services sales agents
Non-STEM	41-3041	Travel agents
Non-STEM	41-3099	Sales representatives, services, all other
Non-STEM	41-4012	Sales representatives, wholesale and manufacturing, except
NOTESTEW	41-4012	technical and scientific products
Non-STEM	41-9011	Demonstrators and product promoters
Non-STEM	41-9012	Models
Non-STEM	41-9021	Real estate brokers
Non-STEM	41-9022	Real estate sales agents
Non-STEM	41-9041	Telemarketers
Non-STEM	41-9091	Door-to-door sales workers, news and street vendors, and related workers
Non-STEM	41-9099	Sales and related workers, all other
Non-STEM	43-1011	First-line supervisors of office and administrative support workers
Non-STEM	43-2011	Switchboard operators, including answering service
Non-STEM	43-2021	Telephone operators
Non-STEM	43-2099	Communications equipment operators, all other
Non-STEM	43-3011	Bill and account collectors
Non-STEM Non-STEM	43-3021 43-3031	Billing and posting clerks
Non-STEM	43-3041	Bookkeeping, accounting, and auditing clerks Gaming cage workers
Non-STEM	43-3051	Payroll and timekeeping clerks
Non-STEM	43-3061	Procurement clerks
Non-STEM	43-3071	Tellers
Non-STEM	43-3099	Financial clerks, all other
Non-STEM	43-4011	Brokerage clerks
Non-STEM	43-4021	Correspondence clerks
Non-STEM	43-4031	Court, municipal, and license clerks
Non-STEM	43-4041	Credit authorizers, checkers, and clerks
Non-STEM	43-4051	Customer service representatives
Non-STEM	43-4061	Eligibility interviewers, government programs
Non-STEM	43-4071	File clerks
Non-STEM	43-4081	Hotel, motel, and resort desk clerks
Non-STEM	43-4111	Interviewers, except eligibility and loan
Non-STEM	43-4121	Library assistants, clerical
Non-STEM	43-4131	Loan interviewers and clerks
Non-STEM	43-4141	New accounts clerks
Non-STEM	43-4151	Order clerks
Non-STEM	43-4161	Human resources assistants, except payroll and timekeeping

		Attachme
Non-STEM	43-4171	Receptionists and information clerks
Non-STEM Non-STEM	43-4181 43-4199	Reservation and transportation ticket agents and travel clerks Information and record clerks, all other
Non-STEM	43-5011	Cargo and freight agents
Non-STEM	43-5021	Couriers and messengers
Non-STEM	43-5031	Police, fire, and ambulance dispatchers
Non-STEM	43-5032	Dispatchers, except police, fire, and ambulance
Non-STEM	43-5041	Meter readers, utilities
Non-STEM	43-5051	Postal service clerks
Non-STEM	43-5052	Postal service mail carriers
Non-STEM	43-5053	Postal service mail sorters, processors, and processing machine operators
Non-STEM	43-5061	Production, planning, and expediting clerks
Non-STEM	43-5071	Shipping, receiving, and traffic clerks
Non-STEM Non-STEM	43-5081 43-5111	Stock clerks and order fillers Weighers, measurers, checkers, and samplers, recordkeeping
Non-STEM	43-6011	Executive secretaries and executive administrative assistants
Non-STEM	43-6012	Legal secretaries
Non-STEM	43-6013	Medical secretaries
Non-STEM	43-6014	Secretaries and administrative assistants, except legal, medical,
NOII-STEW	43-0014	and executive
Non-STEM	43-9011	Computer operators
Non-STEM	43-9021	Data entry keyers
Non-STEM	43-9022	Word processors and typists
Non-STEM Non-STEM	43-9031 43-9041	Desktop publishers Insurance claims and policy processing clerks
Non-STEM	43-9051	Mail clerks and mail machine operators, except postal service
Non-STEM	43-9061	Office clerks, general
Non-STEM	43-9071	Office machine operators, except computer
Non-STEM	43-9081	Proofreaders and copy markers
Non-STEM	43-9111	Statistical assistants
Non-STEM	43-9199	Office and administrative support workers, all other
Non-STEM	45-1011	First-line supervisors of farming, fishing, and forestry workers
Non-STEM	45-2011	Agricultural inspectors
Non-STEM Non-STEM	45-2021 45-2041	Animal breeders Graders and corters, agricultural products
Non-STEM	45-2041	Graders and sorters, agricultural products Agricultural equipment operators
Non-STEM	45-2092	Farmworkers and laborers, crop, nursery, and greenhouse
Non-STEM	45-2093	Farmworkers, farm, ranch, and aquacultural animals
Non-STEM	45-2099	Agricultural workers, all other
Non-STEM	45-3000	Fishing and hunting workers
Non-STEM	45-4011	Forest and conservation workers
Non-STEM	45-4021	Fallers
Non-STEM Non-STEM	45-4022	Logging equipment operators
Non-STEM	45-4023 45-4029	Log graders and scalers Logging workers, all other
Non-STEM	47-1011	First-line supervisors of construction trades and extraction workers
Non-STEM	47-2011	Boilermakers
Non-STEM	47-2021	Brickmasons and blockmasons
Non-STEM	47-2022	Stonemasons
Non-STEM	47-2031	Carpenters
Non-STEM	47-2041	Carpet installers
Non-STEM	47-2042	Floor layers, except carpet, wood, and hard tiles
Non-STEM	47-2043	Floor sanders and finishers
Non-STEM	47-2044 47-2051	Tile and marble setters Cement masons and concrete finishers
Non-STEM Non-STEM	47-2051	Terrazzo workers and finishers
Non-STEM	47-2061	Construction laborers
Non-STEM	47-2071	Paving, surfacing, and tamping equipment operators
Non-STEM	47-2072	Pile-driver operators
Non-STEM	47-2073	Operating engineers and other construction equipment operators
Non-STEM	47-2081	Drywall and ceiling tile installers
Non-STEM	47-2082	Tapers
Non-STEM	47-2111	Electricians
Non-STEM	47-2121	Glaziers
Non-STEM Non-STEM	47-2131 47-2132	Insulation workers, floor, ceiling, and wall Insulation workers, mechanical
Non-STEM	47-2132 47-2141	Painters, construction and maintenance
Non-STEM	47-2142	Paperhangers
Non-STEM	47-2151	Pipelayers
Non-STEM	47-2152	Plumbers, pipefitters, and steamfitters
Non-STEM	47-2161	Plasterers and stucco masons
Non-STEM	47-2171	Reinforcing iron and rebar workers
Non-STEM	47-2181	Roofers

		Attachmer
Non-STEM	47-2211	Sheet metal workers
Non-STEM	47-2221	Structural iron and steel workers
Non-STEM	47-2231	Solar photovoltaic installers
Non-STEM	47-3011	Helpers–brickmasons, blockmasons, stonemasons, and tile and
N. OTEM	47.0040	marble setters
Non-STEM	47-3012	Helpers-carpenters
Non-STEM	47-3013	Helpers-electricians
Non-STEM	47-3014	Helpers–painters, paperhangers, plasterers, and stucco masons
Non-STEM	47-3015	Helpers–pipelayers, plumbers, pipefitters, and steamfitters
Non-STEM	47-3016	Helpers-roofers
Non-STEM	47-3019	Helpers, construction trades, all other
Non-STEM	47-4011	Construction and building inspectors
Non-STEM	47-4021	Elevator installers and repairers
Non-STEM	47-4031	Fence erectors
Non-STEM	47-4041	Hazardous materials removal workers
Non-STEM	47-4051	Highway maintenance workers
Non-STEM	47-4061	Rail-track laying and maintenance equipment operators
Non-STEM	47-4071	Septic tank servicers and sewer pipe cleaners
Non-STEM	47-4091	Segmental pavers
Non-STEM	47-4099	Construction and related workers, all other
Non-STEM	47-5011	Derrick operators, oil and gas
Non-STEM	47-5012	Rotary drill operators, oil and gas
Non-STEM	47-5013	Service unit operators, oil, gas, and mining
Non-STEM	47-5021	Earth drillers, except oil and gas
Non-STEM	47-5031	Explosives workers, ordnance handling experts, and blasters
Non-STEM Non-STEM	47-5041 47-5042	Continuous mining machine operators
Non-STEM		Mine cutting and channeling machine operators Mining machine operators, all other
Non-STEM	47-5049 47-5051	Rock splitters, quarry
Non-STEM	47-5061	
Non-STEM	47-5061	Roof bolters, mining Roustabouts, oil and gas
Non-STEM	47-5081	Helpers–extraction workers
Non-STEM	47-5099	Extraction workers, all other
Non-STEM	49-1011	First-line supervisors of mechanics, installers, and repairers
Non-STEM	49-2011	Computer, automated teller, and office machine repairers
Non-STEM	49-2011	Radio, cellular, and tower equipment installers and repairs
NOTION	40 2021	Telecommunications equipment installers and repairers, except line
Non-STEM	49-2022	installers
Non-STEM	49-2091	Avionics technicians
Non-STEM	49-2092	Electric motor, power tool, and related repairers
TON OTEM	10 2002	Electrical and electronics installers and repairers, transportation
Non-STEM	49-2093	equipment
		Electrical and electronics repairers, commercial and industrial
Non-STEM	49-2094	equipment
		Electrical and electronics repairers, powerhouse, substation, and
Non-STEM	49-2095	relay
Non-STEM	49-2096	Electronic equipment installers and repairers, motor vehicles
Non-STEM	49-2097	Electronic home entertainment equipment installers and repairers
Non-STEM	49-2098	Security and fire alarm systems installers
Non-STEM	49-3011	Aircraft mechanics and service technicians
Non-STEM	49-3021	Automotive body and related repairers
Non-STEM	49-3022	Automotive glass installers and repairers
Non-STEM	49-3023	Automotive service technicians and mechanics
Non-STEM	49-3031	Bus and truck mechanics and diesel engine specialists
Non-STEM	49-3041	Farm equipment mechanics and service technicians
Non-STEM	49-3042	Mobile heavy equipment mechanics, except engines
Non-STEM	49-3043	Rail car repairers
Non-STEM	49-3051	Motorboat mechanics and service technicians
Non-STEM	49-3052	Motorcycle mechanics
Non-STEM	49-3053	Outdoor power equipment and other small engine mechanics
Non-STEM	49-3091	Bicycle repairers
Non-STEM	49-3092	Recreational vehicle service technicians
Non-STEM	49-3093	Tire repairers and changers
Non-STEM	49-9011	Mechanical door repairers
Non-STEM	49-9012	Control and valve installers and repairers, except mechanical door
Non-STEM	49-9021	Heating, air conditioning, and refrigeration mechanics and installers
Non-STEM	49-9031	Home appliance repairers
Non-STEM	49-9041	Industrial machinery mechanics
Non-STEM	49-9043	Maintenance workers, machinery
Non-STEM	49-9044	Millwrights
Non-STEM	49-9045	Refractory materials repairers, except brickmasons
Non-STEM	49-9051	Electrical power-line installers and repairers
Non-STEM	49-9052	Telecommunications line installers and repairers
Non-STEM	49-9061	Camera and photographic equipment repairers

		Attachmer
Non-STEM	49-9062	Medical equipment repairers
Non-STEM	49-9063	Musical instrument repairers and tuners
Non-STEM	49-9064	Watch repairers
Non-STEM	49-9069	Precision instrument and equipment repairers, all other
Non-STEM	49-9071	Maintenance and repair workers, general
Non-STEM	49-9081	Wind turbine service technicians
Non-STEM	49-9091	Coin, vending, and amusement machine servicers and repairers
Non-STEM	49-9092	Commercial divers
Non-STEM	49-9093	Fabric menders, except garment
Non-STEM	49-9094	Locksmiths and safe repairers
Non-STEM	49-9095	Manufactured building and mobile home installers
Non-STEM	49-9096	Riggers
Non-STEM	49-9097	Signal and track switch repairers
Non-STEM	49-9098	Helpers-installation, maintenance, and repair workers
Non-STEM	49-9099	Installation, maintenance, and repair workers, all other
Non-STEM	51-1011	First-line supervisors of production and operating workers
Non-STEM	51-2011	Aircraft structure, surfaces, rigging, and systems assemblers
Non-STEM	51-2021	Coil winders, tapers, and finishers
Non-STEM	51-2022	Electrical and electronic equipment assemblers
Non-STEM	51-2023	Electromechanical equipment assemblers
Non-STEM	51-2031	Engine and other machine assemblers
Non-STEM	51-2041	Structural metal fabricators and fitters
Non-STEM	51-2091	Fiberglass laminators and fabricators
Non-STEM	51-2092	Team assemblers
Non-STEM	51-2093	Timing device assemblers and adjusters
Non-STEM	51-2099	Assemblers and fabricators, all other
Non-STEM	51-3011	Bakers
Non-STEM	51-3021	Butchers and meat cutters
Non-STEM	51-3022	Meat, poultry, and fish cutters and trimmers
Non-STEM	51-3023	Slaughterers and meat packers
TON OTEM	01 0020	Food and tobacco roasting, baking, and drying machine operators
Non-STEM	51-3091	and tenders
Non-STEM	51-3092	Food batchmakers
Non-STEM	51-3092	Food cooking machine operators and tenders
Non-STEM	51-3099	
Non-STEM	51-3099	Food processing workers, all other
NOII-S I EIVI	51-4011	Computer-controlled machine tool operators, metal and plastic
Non-STEM	51-4012	Computer numerically controlled machine tool programmers, metal
		and plastic
Non-STEM	51-4021	Extruding and drawing machine setters, operators, and tenders,
N 07514	54 4000	metal and plastic
Non-STEM	51-4022	Forging machine setters, operators, and tenders, metal and plastic
Non-STEM	51-4023	Rolling machine setters, operators, and tenders, metal and plastic
Non-STEM	51-4031	Cutting, punching, and press machine setters, operators, and
		tenders, metal and plastic
Non-STEM	51-4032	Drilling and boring machine tool setters, operators, and tenders,
		metal and plastic
Non-STEM	51-4033	Grinding, lapping, polishing, and buffing machine tool setters,
Non OTEM	01 1000	operators, and tenders, metal and plastic
Non-STEM	51-4034	Lathe and turning machine tool setters, operators, and tenders,
Non OTEM	31 4004	metal and plastic
Non-STEM	51-4035	Milling and planing machine setters, operators, and tenders, metal
Non OTEM	31 4000	and plastic
Non-STEM	51-4041	Machinists
Non-STEM	51-4051	Metal-refining furnace operators and tenders
Non-STEM	51-4052	Pourers and casters, metal
Non-STEM	51-4061	Model makers, metal and plastic
Non-STEM	51-4062	Patternmakers, metal and plastic
Non-STEM	51-4071	Foundry mold and coremakers
N. OTEM	54 4070	Molding, coremaking, and casting machine setters, operators, and
Non-STEM	51-4072	tenders, metal and plastic
		Multiple machine tool setters, operators, and tenders, metal and
Non-STEM	51-4081	plastic
Non-STEM	51-4111	Tool and die makers
Non-STEM	51-4121	Welders, cutters, solderers, and brazers
		Welding, soldering, and brazing machine setters, operators, and
Non-STEM	51-4122	tenders
		Heat treating equipment setters, operators, and tenders, metal and
Non-STEM	51-4191	plastic
Non-STEM	51-4192	Layout workers, metal and plastic
.1011 0 1 2111	31-4132	Plating and coating machine setters, operators, and tenders, metal
Non-STEM	51-4193	
Non-STEM	51-4194	and plastic Tool grinders, filers, and sharpeners
Non-STEM		-
	51-4199	Metal workers and plastic workers, all other
Non-STEM	51-5111	Prepress technicians and workers

		Attachme
Non-STEM	51-5112	Printing press operators
Non-STEM	51-5113	Print binding and finishing workers
Non-STEM	51-6011	Laundry and dry-cleaning workers
Non-STEM	51-6021	Pressers, textile, garment, and related materials
Non-STEM	51-6031	Sewing machine operators
Non-STEM	51-6041	Shoe and leather workers and repairers
Non-STEM	51-6042	Shoe machine operators and tenders
Non-STEM	51-6051	Sewers, hand
Non-STEM	51-6052	Tailors, dressmakers, and custom sewers
Non-STEM	51-6061	Textile bleaching and dyeing machine operators and tenders
Non-STEM	51-6062	Textile cutting machine setters, operators, and tenders
		Textile knitting and weaving machine setters, operators, and
Non-STEM	51-6063	tenders
		Textile winding, twisting, and drawing out machine setters,
Non-STEM	51-6064	operators, and tenders
		Extruding and forming machine setters, operators, and tenders,
Non-STEM	51-6091	
Non STEM	E1 6003	synthetic and glass fibers
Non-STEM	51-6092	Fabric and apparel patternmakers
Non-STEM	51-6093	Upholsterers
Non-STEM	51-6099	Textile, apparel, and furnishings workers, all other
Non-STEM	51-7011	Cabinetmakers and bench carpenters
Non-STEM	51-7021	Furniture finishers
Non-STEM	51-7031	Model makers, wood
Non-STEM	51-7032	Patternmakers, wood
Non-STEM	51-7041	Sawing machine setters, operators, and tenders, wood
		Woodworking machine setters, operators, and tenders, except
Non-STEM	51-7042	sawing
Non-STEM	51-7099	Woodworkers, all other
Non-STEM	51-8011	Nuclear power reactor operators
Non-STEM	51-8012	Power distributors and dispatchers
		·
Non-STEM	51-8013	Power plant operators
Non-STEM	51-8021	Stationary engineers and boiler operators
Non-STEM	51-8031	Water and wastewater treatment plant and system operators
Non-STEM	51-8091	Chemical plant and system operators
Non-STEM	51-8092	Gas plant operators
Non-STEM	51-8093	Petroleum pump system operators, refinery operators, and gaugers
Non-STEM	51-8099	Plant and system operators, all other
Non-STEM	51-9011	Chemical equipment operators and tenders
N. OTEM	54.0040	Separating, filtering, clarifying, precipitating, and still machine
Non-STEM	51-9012	setters, operators, and tenders
		Crushing, grinding, and polishing machine setters, operators, and
Non-STEM	51-9021	tenders
Non-STEM	51-9022	Grinding and polishing workers, hand
Non-STEM	51-9023	Mixing and blending machine setters, operators, and tenders
Non-STEM		
	51-9031	Cutters and trimmers, hand
Non-STEM	51-9032	Cutting and slicing machine setters, operators, and tenders
Non-STEM	51-9041	Extruding, forming, pressing, and compacting machine setters,
		operators, and tenders
Non-STEM	51-9051	Furnace, kiln, oven, drier, and kettle operators and tenders
Non-STEM	51-9061	Inspectors, testers, sorters, samplers, and weighers
Non-STEM	51-9071	Jewelers and precious stone and metal workers
Non-STEM	51-9081	Dental laboratory technicians
Non-STEM	51-9082	Medical appliance technicians
Non-STEM	51-9083	Ophthalmic laboratory technicians
Non-STEM	51-9111	Packaging and filling machine operators and tenders
		Coating, painting, and spraying machine setters, operators, and
Non-STEM	51-9121	tenders
Non-STEM	51-9122	Painters, transportation equipment
Non-STEM	51-9123	Painting, coating, and decorating workers
		Semiconductor processors
Non-STEM	51-9141	•
Non-STEM	51-9151	Photographic process workers and processing machine operators
Non-STEM	51-9191	Adhesive bonding machine operators and tenders
Non-STEM	51-9192	Cleaning, washing, and metal pickling equipment operators and
	5. 5.52	tenders
Non-STEM	51-9193	Cooling and freezing equipment operators and tenders
Non-STEM	51-9194	Etchers and engravers
Non-STEM	51-9195	Molders, shapers, and casters, except metal and plastic
Non-STEM	51-9196	Paper goods machine setters, operators, and tenders
Non-STEM	51-9197	Tire builders
Non-STEM	51-9198	Helpers–production workers
Non-STEM	51-9199	Production workers, all other
Non-STEM		
TAOLI-O I EIVI	53-1011	Aircraft cargo handling supervisors
Non-STEM	53-1021	First-line supervisors of helpers, laborers, and material movers,
		hand

Attachment 1

Non-STEM	53-1031	First-line supervisors of transportation and material-moving
	00 1001	machine and vehicle operators
Non-STEM	53-2011	Airline pilots, copilots, and flight engineers
Non-STEM	53-2012	Commercial pilots
Non-STEM	53-2021	Air traffic controllers
Non-STEM	53-2022	Airfield operations specialists
Non-STEM	53-2031	Flight attendants
Non-STEM	53-3011	Ambulance drivers and attendants, except emergency medical
NOT-STEW	33-3011	technicians
Non-STEM	53-3021	Bus drivers, transit and intercity
Non-STEM	53-3022	Bus drivers, school or special client
Non-STEM	53-3031	Driver/sales workers
Non-STEM	53-3032	Heavy and tractor-trailer truck drivers
Non-STEM	53-3033	Light truck or delivery services drivers
Non-STEM	53-3041	Taxi drivers and chauffeurs
Non-STEM	53-3099	Motor vehicle operators, all other
Non-STEM	53-4011	Locomotive engineers
Non-STEM	53-4012	Locomotive firers
Non-STEM	53-4013	Rail yard engineers, dinkey operators, and hostlers
Non-STEM	53-4021	Railroad brake, signal, and switch operators
Non-STEM	53-4031	Railroad conductors and yardmasters
Non-STEM	53-4041	Subway and streetcar operators
Non-STEM	53-4099	Rail transportation workers, all other
Non-STEM	53-5011	Sailors and marine oilers
Non-STEM	53-5021	Captains, mates, and pilots of water vessels
Non-STEM	53-5022	Motorboat operators
Non-STEM	53-5031	Ship engineers
Non-STEM	53-6011	Bridge and lock tenders
Non-STEM	53-6021	Parking lot attendants
Non-STEM	53-6031	Automotive and watercraft service attendants
Non-STEM	53-6041	Traffic technicians
Non-STEM	53-6051	Transportation inspectors
Non-STEM	53-6061	Transportation attendants, except flight attendants
Non-STEM	53-6099	Transportation workers, all other
Non-STEM	53-7011	Conveyor operators and tenders
Non-STEM	53-7021	Crane and tower operators
Non-STEM	53-7031	Dredge operators
Non-STEM	53-7032	Excavating and loading machine and dragline operators
Non-STEM	53-7033	Loading machine operators, underground mining
Non-STEM	53-7041	Hoist and winch operators
Non-STEM	53-7051	Industrial truck and tractor operators
Non-STEM	53-7061	Cleaners of vehicles and equipment
Non-STEM	53-7062	Laborers and freight, stock, and material movers, hand
Non-STEM	53-7063	Machine feeders and offbearers
Non-STEM	53-7064	Packers and packagers, hand
Non-STEM	53-7071	Gas compressor and gas pumping station operators
Non-STEM	53-7072	Pump operators, except wellhead pumpers
Non-STEM	53-7073	Wellhead pumpers
Non-STEM	53-7081	Refuse and recyclable material collectors
Non-STEM	53-7111	Mine shuttle car operators
Non-STEM	53-7121	Tank car, truck, and ship loaders
Non-STEM	53-7199	Material moving workers, all other

Listing of CIP Codes tied to SOC Codes by Occupation Group

SOC Code	OccupationCIP Group Code	CIP Title	Labor Region	Total Institution Completions
15- 1134 Web developers	STEM Narrow 11.08	Web Page, Digital/Multimedia and Information Resources Design.	Northern	North Idaho 6 College
17- 3011 Architectural and civil drafters	STEM Narrow 15.13	Architectural Drafting and Architectural CAD/CADD.	Northern	North Idaho 4 College
17- 3011 Architectural and civil drafters	STEM Narrow 15.13	Ovil Drafting and Civil Engineering CAD/CADD.	Northern	North Idaho 0 College
17- 3013 Mechanical drafters	STEM Narrow 15.13	Mechanical Drafting and Mechanical Drafting CAD/CADD.	Northern	North Idaho 2 College
17- Aerospace engineering and 3021 operations technicians	STEM Narrow 15.08	Aeronautical/Aerospace Engineering Technology/Technician.	Northern	North Idaho 5 College
17- 3022 Civil engineering technicians	STEM 46.04 Narrow	15Building Construction Technology.	Northern	North Idaho 1 College North

, 2019 Attachment 1

				Atta	ichment '
17- Electrical and electronics engineering 3023 technicians	gSTEM Narrow	15.0303 Electrical, Electronic and Communications Engineering Technology/Technician.	Northern	Idaho College	0
29- Medical and clinical laboratory2012 technicians	STEM Medical	51.0802Clinical/Medical Laboratory Assistant.	Northern	North Idaho College	0
29- 2034 Radiologic technologists	STEM Medical	51.0907 Medical Radiologic Technology/Science - Radiation Therapist.	Northern	North Idaho College	0
29- 2053 Psychiatric technicians	STEM Medical	51.1502 Psychiatric/Mental Health Services Technician.	Northern	North Idaho College	0
29- 2053 Psychiatric technicians	STEM Medical	51.1502 Psychiatric/Mental Health Services Technician.	Northern	North Idaho College	0
29- Licensed practical and licensed 2061 vocational nurses	STEM Medical	51.3901 Licensed Practical/Vocational Nurse Training.	Northern	North Idaho College	18
29- Medical records and health 2071 information technicians	STEM Medical	51.0707 Health Information/Medical Records Technology/Technician.	Northern	North Idaho College	0
29- Medical records and health 2071 information technicians	STEM Medical	51.0713Medical Insurance Coding Specialist/Coder	r. Northern	North Idaho	0
13- 1032 Insurance appraisers, auto damage	Non-STEM	47.0603 Autobody/Collision and Repair Technology/Technician.	Northern	College North Idaho	9
23- 2011 Paralegals and legal assistants	Non-STEM	22.0302Legal Assistant/Paralegal.	Northern	College North Idaho	8
31- 2021 Physical therapist assistants	Non-STEM	51.0806Physical Therapy Technician/Assistant.	Northern	College North Idaho	13
31- 9092 Medical assistants	Non-STEM	51.0710Medical Office Assistant/Specialist.	Northern	College North Idaho	6
31- 9092 Medical assistants	Non-STEM	51.0716 Medical Administrative/Executive Assistant and Medical Secretary.	Northern	College North Idaho	7
31- Madical assistants		51.0801Medical/Clinical Assistant.	Northern	College North Idaho	0
9092 Medical assistants	Non-STEM	51.0710Medical Office Assistant/Specialist.	Northern	College North Idaho	2
9092 Medical assistants 31- 9092 Medical assistants		51.0712Medical Reception/Receptionist.	Northern	College North Idaho	0
31-				College North	
9092 Medical assistants		51.0716 Medical Administrative/Executive Assistant and Medical Secretary.		Idaho College North	0
9092 Medical assistants	Non-STEM	51.0801Medical/Clinical Assistant.	Northern	Idaho College North	0
Medical transcriptionists 9094 31-	Non-STEM	51.0708Medical Transcription/Transcriptionist.	Northern	Idaho College North	0
9094 Medical transcriptionists	Non-STEM	51.0708Medical Transcription/Transcriptionist.	Northern	Idaho College North	0
2011 Firefighters	Non-STEM	43.0203Fire Science/Fire-fighting.	Northern	Idaho College North	0
49- Aircraft mechanics and service 3011 technicians	Non-STEM	Maintenance Technology/Technician.	Northern	Idaho College North	4
49- Automotive service technicians and 3023 mechanics	Non-STEM	l echnology/ l echnician.	Northern	Idaho College North	5
49- Automotive service technicians and 3023 mechanics	Non-STEM	Technology/Technician.	Northern	Idaho College North	8
49- 3052 Motorcycle mechanics	Non-STEM	47.0611 Motorcycle Maintenance and Repair Technology/Technician.	Northern	Idaho College	6

EBRUARY 13, 2019	
	Attachment 1

					Ai	ttachment
49- 9021	Heating, air conditioning, and refrigeration mechanics and installer	Non-STEM	Heating, Air Conditioning, Ventilation and 47.0201Refrigeration Maintenance Technology/Technician.	Northern	North Idaho College	0
49- 9021	Heating, air conditioning, and refrigeration mechanics and installer	Non-STEM	Heating, Air Conditioning, Ventilation and 47.0201 Refrigeration Maintenance Technology/Technician.	Northern	North Idaho College	0
11- 3021	Computer and information systems managers	STEM Narrow	52.0205Operations Management and Supervision.	North Centra	University of Idaho	0
11-	Computer and information systems managers	STEM Narrow	Management Information Systems, General.	North Centra	University	12
11-	Architectural and engineering	STEM	14.0301Agricultural Engineering.	North Centra	University	0
11-	managers Architectural and engineering	Narrow STEM	14.0701Chemical Engineering.	North Centra	of Idaho University	0
9041 11-	managers Architectural and engineering	Narrow STEM	14.1001Electrical and Electronics Engineering	North Centra	of Idaho University	0
9041 11-	managers Architectural and engineering	Narrow STEM	14.1801Materials Engineering.	North Centra	of Idaho University	1
9041 11-	managers Architectural and engineering	Narrow STEM			of Idaho University	
9041 11-	managers Architectural and engineering	Narrow STEM	14.1901Mechanical Engineering.	North Centra	of Idaho University	1
	managers Architectural and engineering	Narrow	14.2301 Nuclear Engineering.	North Centra	of Idaho	0
9041	managers	STEM Narrow	14.4501Biological/Biosystems Engineering.	North Centra	of Idaho	1
	Architectural and engineering managers	STEM Narrow	04.0201Architecture.	North Centra	of Idaho	26
11- 9041	Architectural and engineering managers	STEM Narrow	O4.0301 City/Urban, Community and Regional Planning.	North Centra	University of Idaho	2
11- 9041	Architectural and engineering managers	STEM Narrow	04.0601Landscape Architecture.	North Centra	University of Idaho	9
11- 9041	Architectural and engineering managers	STEM Narrow	14.0301Agricultural Engineering.	North Centra	University of Idaho	0
11-	Architectural and engineering managers	STEM Narrow	14.0701Chemical Engineering.	North Centra	University	4
11-	Architectural and engineering managers	STEM Narrow	14.1001Electrical and Electronics Engineering	North Centra	University	28
11-	Architectural and engineering	STEM	14.1801Materials Engineering.	North Centra	University	1
11-	managers Architectural and engineering	Narrow STEM	14.1901Mechanical Engineering.	North Centra	of Idaho University	13
9041 11-	managers Architectural and engineering	Narrow STEM	14.2001Metallurgical Engineering.	North Centra	of Idaho	0
9041 11-	managers Architectural and engineering	Narrow STEM			of Idaho University	5
9041 11-	managers Architectural and engineering	Narrow STEM	14.2301Nuclear Engineering.	North Centra	of Idaho	
	managers Architectural and engineering	Narrow STEM	14.3901Geological/Geophysical Engineering.	North Centra	of Idaho University	0
	managers Architectural and engineering	Narrow STEM	14.4501Biological/Biosystems Engineering.	North Centra	of Idaho University	5
9041	managers	Narrow	14.9999Engineering, Other.	North Centra	of Idaho	17
	Architectural and engineering managers	STEM Narrow	04.0201 Architecture.	North Centra	of Idaho	20
11- 9041	Architectural and engineering managers	STEM Narrow	04.0301 City/Urban, Community and Regional Planning.	North Centra	University of Idaho	0
11- 9041	Architectural and engineering managers	STEM Narrow	04.0401Environmental Design/Architecture.	North Centra	University of Idaho	0
11- 9041	Architectural and engineering managers	STEM Narrow	04.0501Interior Architecture.	North Centra	University of Idaho	0
11- 9041	Architectural and engineering managers	STEM Narrow	04.0601Landscape Architecture.	North Centra	University of Idaho	9
11-	Architectural and engineering managers	STEM Narrow	14.0301Agricultural Engineering.	North Centra	University	0
11-	Architectural and engineering	STEM	14.0701Chemical Engineering.	North Centra	University	30
11-	managers Architectural and engineering	Narrow STEM	14.1001Electrical and Electronics Engineering	North Centra	of Idaho University	45
9041 11-	managers Architectural and engineering	Narrow STEM	14.1801Materials Engineering.	North Centra	Of Idano University	8
9041 11-	managers Architectural and engineering	Narrow STEM		North Centra	of Idaho University	86
9041 11-	managers Architectural and engineering	Narrow STEM	14.1901Mechanical Engineering.		of Idaho University	
9041 11-	managers Architectural and engineering	Narrow STEM	14.2301Nuclear Engineering.	North Centra	of Idaho University	2
	managers	Narrow	14.4501Biological/Biosystems Engineering.	North Centra	of Idaho	8

					ttaciiiiciit
11- 9121 Natural sciences managers	STEM Narrow	26.0503Medical Microbiology and Bacteriology.	North Centra	University of Idaho	0
11- 9121 Natural sciences managers	STEM Narrow	27.0101Mathematics, General.	North Centra	University of Idaho	2
11- Natural sciences managers	STEM	40.0501Chemistry, General.	North Centra	University	2
9121	Narrow	40.000 Fortermotry, Cornoral.	North Ochita	of Idaho	2
9121 Natural sciences managers	STEM Narrow	40.0601Geology/Earth Science, General.	North Centra	of Idaho	4
11- Natural sciences managers	STEM Narrow	40.0801Physics, General.	North Centra	University of Idaho	1
11-	STEM	26.0503Medical Microbiology and Bacteriology.	North Centra	University	0
9121 Natural sciences managers	Narrow	26.0505iviedical iviicrobiology and bacteriology.	North Centra	of Idano	U
11- Natural sciences managers 9121	STEM Narrow	27.0101Mathematics, General.	North Centra	University of Idaho	5
11- Natural sciences managers	STEM	27.0501 Statistics, General.	North Centra	University	7
9121 11	Narrow STEM	2,1000 (Canonico, Contoran		of Idaho University	
Natural sciences managers	Narrow	40.0501Chemistry, General.	North Centra	of Idaho	1
11- Natural sciences managers	STEM	40.0601Geology/Earth Science, General.	North Centra	University	3
9121 11	Narrow STEM			of Idaho University	
9121 Natural sciences managers	Narrow	40.0603Geophysics and Seismology.	North Centra	of Idaho	0
11- Natural sciences managers	STEM	40.0801Physics, General.	North Centra	University	4
9121 11	Narrow STEM			of Idaho University	
9121 Natural sciences managers	Narrow	26.0503Medical Microbiology and Bacteriology.	North Centra	of Idaho	0
11- Natural sciences managers	STEM	27.0101Mathematics, General.	North Centra	University	15
9121	Narrow STEM			of Idaho University	
9121 Natural sciences managers	Narrow	27.0301Applied Mathematics, General.	North Centra	of Idaho	9
11- Natural sciences managers	STEM	27.0306Mathematical Biology.	North Centra	University	0
9121 11	Narrow STEM			of Idaho University	
9121 Natural sciences managers	Narrow	27.0501Statistics, General.	North Centra	of Idaho	4
11- 9121 Natural sciences managers	STEM	40.0501Chemistry, General.	North Centra	University of Idaho	26
11-	Narrow STEM	10.00010 1 /5 /1 0 :	N. 41 O. 4	University	4.4
9121 Natural sciences managers	Narrow	40.0601Geology/Earth Science, General.	North Centra	of Idaho	11
11- 9121 Natural sciences managers	STEM Narrow	40.0605Hydrology and Water Resources Science.	North Centra	University of Idaho	0
11- Natural sciences managers	STEM	40.0801Physics, General.	North Centra	University	9
9121	Narrow	40.000 FritySics, General.	North Centra	of Idaho	9
15- Software developers, applications	STEM Narrow	11.0701Computer Science.	North Centra	University of Idaho	3
15- Software developers, applications	STEM	26.1103Bioinformatics.	North Centra	University	3
1132 15- 2 (Narrow STEM	261.1302.6111.6111.41165.		of Idaho University	J
Software developers, applications	Narrow	11.0701Computer Science.	North Centra	of Idaho	10
15- Software developers, applications	STEM	14.0901Computer Engineering, General.	North Centra	University	1
1132 15-	Narrow STEM			of Idaho University	
Software developers, applications	Narrow	26.1103Bioinformatics.	North Centra	of Idaho	1
15- 1132 Software developers, applications	STEM Narrow	11.0701Computer Science.	North Centra	University of Idaho	22
15-	STEM	44 00040 annulus Francisco di a Conserl	North Oracion	University	0
Software developers, applications	Narrow	14.0901Computer Engineering, General.	North Centra	of Idaho	9
15- 1132 Software developers, applications	STEM Narrow	26.1103Bioinformatics.	North Centra	University of Idaho	0
17- Cartographers and	STEM	Geographic Information Science and	North Centra	University	0
1021 photogrammetrists	Narrow	Cartography.	North Centra	of Idaho	0
17- 2051 Civil engineers	STEM Narrow	14.0801Civil Engineering, General.	North Centra	University of Idaho	1
17-	STEM	14.0805Water Resources Engineering.	North Centra	University	1
2051	Narrow	Thousands Trocourses Engineering.	North Contra	of Idaho University	
17- 2051 Civil engineers	STEM Narrow	14.0801Civil Engineering, General.	North Centra	of Idaho	12
17- Civil engineers	STEM	14.0805Water Resources Engineering.	North Centra	University	2
2051 - 17-	Narrow STEM			of Idaho	
2051 Civil engineers	Narrow	14.0801 Civil Engineering, General.	North Centra	of Idaho	29
17- 2051 Civil engineers	STEM	14.0805Water Resources Engineering.	North Centra	University	0
2051 17- Electrical and electronics engineering	Narrow gSTEM			of Idaho University	^
3023 technicians	Narrow	15.0306Integrated Circuit Design.	North Centra	of Idaho	0

			A	acimicin
17- 3026 Industrial engineering technicians	STEM Narrow	15.0612Industrial Technology/Technician.	North Central University of Idaho	5
17- 3026 Industrial engineering technicians	STEM Narrow	15.0612Industrial Technology/Technician.	North Central Of Idaho	3
19- 1012 Food scientists and technologists	STEM Narrow	01.1002Food Technology and Processing.	North Central University of Idaho	0
19- 1013 Soil and plant scientists	STEM	01.1201Soil Science and Agronomy, General.	North Central University	0
19- Soil and plant scientists	Narrow STEM	01.1201Soil Science and Agronomy, General.	of Idaho University North Central	3
1013	Narrow STEM		of Idaho University	
Soil and plant scientists	Narrow	01.1103Horticultural Science.	North Central of Idaho	6
19- 1013 Soil and plant scientists	STEM Narrow	Plant Protection and Integrated Pest 01.1105 Management.	North Central of Idaho	0
19- 1013 Soil and plant scientists	STEM Narrow	01.1201Soil Science and Agronomy, General.	North Central Of Idaho	0
19- 1023 Zoologists and wildlife biologists	STEM Narrow	03.0601 Wildlife, Fish and Wildlands Science and Management.	North Central Of Idaho	0
19- 1023 Zoologists and wildlife biologists	STEM Narrow	26.0702Entomology.	North Central University of Idaho	1
19-	STEM	26.0707Animal Physiology.	North Central University	1
1023	Narrow STEM	Wildlife Fish and Wildlands Science and	of Idaho University	
Zoologists and wildlife biologists 1023 19-	Narrow STEM	03.0601 Management.	North Central of Idaho University	0
Zoologists and wildlife biologists	Narrow	26.0702Entomology.	North Central of Idaho	2
19- 1023 Zoologists and wildlife biologists	STEM Narrow	03.0601 Wildlife, Fish and Wildlands Science and Management.	North Central University of Idaho	34
19- 1023 Zoologists and wildlife biologists	STEM Narrow	26.0702Entomology.	North Central University of Idaho	0
19- 1029 Biological scientists, all other	STEM Narrow	26.1307Conservation Biology.	North Central University of Idaho	14
19-	STEM	03.0502Forest Sciences and Biology.	North Central University	0
1031 19- Conservation scientists	Narrow STEM	01.1106Range Science and Management.	of Idaho University	0
1031 19-	Narrow STEM		of Idaho University	
1031 Conservation scientists 19-	Narrow STEM	03.0502Forest Sciences and Biology.	North Central of Idaho University	0
1031 Conservation scientists	Narrow	01.0308Agroecology and Sustainable Agriculture.	of Idaho	0
19- 1031 Conservation scientists	STEM Narrow	01.1106Range Science and Management.	North Central of Idaho	11
19- 1031 Conservation scientists	STEM Narrow	03.0502Forest Sciences and Biology.	North Central University of Idaho	25
19- 1032 Foresters	STEM Narrow	Natural Resources Management and Policy.	North Central of Idaho	8
19- Foresters	STEM	03 0201 Natural Resources Management and	North Central University	45
1032 19-	Narrow STEM	Wood Science and Wood Products/Puln	of Idaho University	
1032 Foresters	Narrow	and Paper Technology.	North Central of Idaho	0
19- 1032 Foresters	STEM Narrow	03.0201 Natural Resources Management and Policy.	North Central University of Idaho	0
19- 1032 Foresters	STEM Narrow	03.0501Forestry, General.	North Central University of Idaho	2
19- Foresters	STEM	03.0506 Forest Management/Forest Resources	North Central	11
1032 19	Narrow STEM	Management. Wood Science and Wood Products/Pulp	of Idaho	
1032 Foresters	Narrow	o3.0509 and Paper Technology.	North Central of Idaho	5
19- Environmental scientists and2041 specialists, including health	STEM Narrow	03.0104Environmental Science.	North Central Of Idaho	6
19- Environmental scientists and	STEM	00.04045	University	07
2041 specialists, including health	Narrow	03.0104Environmental Science.	North Central of Idaho	27
19- Environmental scientists and2041 specialists, including health	STEM Narrow	03.0104Environmental Science.	North Central University of Idaho	16
25- Agricultural sciences teachers,	STEM	01.1001Food Science.	North Central	0
1041 postsecondary25- Agricultural sciences teachers,	Narrow	on room dod colonics.	of Idaho University	· ·
1041 postsecondary	STEM Narrow	01.1101Plant Sciences, General.	North Central of Idaho	1
25- Biological science teachers,1042 postsecondary	STEM Narrow	26.0101Biology/Biological Sciences, General.	North Central University of Idaho	2
25- Biological science teachers,	STEM	26.0202Biochemistry.	North Central University	0
1042 postsecondary25- Biological science teachers,	Narrow STEM	•	of Idaho University	
1042 postsecondary	Narrow	26.0204Molecular Biology.	North Central of Idaho	3

						Α	ttachment
25- 1042	Biological science teachers, postsecondary	STEM Narrow	26.1501Neuroscience.	North	Centra	University of Idaho	1
29-	Physicians and surgeons, all other	STEM	51.1201Medicine.	North	Centra	University	0
1069	Medical and clinical laboratory	Medical STEM		NOILII	Centra	of Idaho	O
29- 2011	technologists	Medical	Clinical Laboratory Science/Medical 51.1005 Technology/Technologist.	North	Centra	University of Idaho	0
29-	Medical and clinical laboratory	STEM	Clinical/Medical Laboratory Science and	North	Centra	University	0
2011 29-	technologists	Medical STEM	Allied Professions, Other. Foods, Nutrition, and Wellness Studies,			of Idano University	
2051	Dietetic technicians	Medical	19.0501 General.	North	Centra	of Idaho	33
29- 9091	Athletic trainers	STEM Medical	51.0913Athletic Training/Trainer.	North	Centra	University of Idaho	15
29-	Athletic trainers	STEM	51 0012 Athletic Training/Trainer	Morth	Contro	University	11
9091	Athletic trainers	Medical	51.0913Athletic Training/Trainer.	NOILII	Centra	of Idaho	11
29- 9091	Athletic trainers	STEM Medical	51.0913Athletic Training/Trainer.	North	Centra	University of Idaho	0
19-	Psychologists, all other	STEM	42.2704Experimental Psychology.	North	Centra	University	0
3039 19-	.,	Other STEM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			of Idaho University	
3039	Psychologists, all other	Other	42.0101Psychology, General.	North	Centra	of Idaho	11
25- 1065	Political science teachers, postsecondary	STEM Other	45.1001Political Science and Government, General	. North	Centra	University of Idaho	1
11-			44 0404 Dublic Administration	Morth	Contro	University	6
1021	General and operations managers	NON-STEIN	44.0401Public Administration.	NORTH	Centra	of Idaho	6
11- 1021	General and operations managers	Non-STEM	Business Administration and Management, 52.0201 General.	North	Centra	University of Idaho	14
11-	General and operations managers	Non-STEM	Business Administration and Management	North	Centra	University	49
1021 11-	Constant and operations managers		General.		0011110	of Idaho University	
1021	General and operations managers	Non-STEM	52.0801Finance, General.	North	Centra	of Idaho	65
11-	Sales managers	Non-STEM	Marketing/Marketing Management,	North	Centra	University	67
2022 11-	Education administrators,		General. Educational Leadership and Administration,		_	of Idaho University	
	postsecondary	Non-STEM	13.0401 General.	North	Centra	of Idaho	74
11- 9199	Managers, all other	Non-STEM	45.0701Geography.	North	Centra	University of Idaho	3
11-	Managers all other	Non-STEM	03.0207Natural Resource Recreation and Tourism.	North	Centra	University	0
9199 11-	Managers, all other	NOII-3 I EIVI	05.0207 Natural Resource Recreation and Tourism.	NOILII	Centra	of Idaho	0
9199	Managers, all other	Non-STEM	45.0701Geography.	North	Centra	University of Idaho	4
11-	Managers, all other	Non-STEM	03.0207Natural Resource Recreation and Tourism.	North	Centra	University	14
9199 11-	-		Digital Communication and		_	of Idaho University	
9199	Managers, all other	Non-STEM	Media/Multimedia.	North	Centra	of Idaho	26
11- 9199	Managers, all other	Non-STEM	43.0302Crisis/Emergency/Disaster Management.	North	Centra	University of Idaho	0
11-	Managers, all other	Non STEM	43.0303Critical Infrastructure Protection.	North	Centra	University	0
9199	Managers, all other	NOII-31 EW	45.0505Childai iliinastructure Protection.	NOILII	Centra	of Idaho	0
11- 9199	Managers, all other	Non-STEM	45.0701Geography.	North	Centra	University of Idaho	14
11-	Managers, all other	Non-STEM	54.0102American History (United States).	North	Centra	University	0
9199 11-	-				_	of Idaho University	
9199	Managers, all other	Non-STEM	54.0103European History.	North	Centra	of Idaho	0
13- 1071	Human resources specialists	Non-STEM	Human Resources Management/Personnel Administration. General.	North	Centra	University of Idaho	50
13-	Accountants and auditors	Non-STEM	52.0301Accounting.	North	Centra	University	19
2011	Accountants and additions	NOII-OT LIVI	32.030 FACCOUNTING.	NOILII	Centra	of Idaho	19
13- 2011	Accountants and auditors	Non-STEM	52.0301 Accounting.	North	Centra	University of Idaho	60
21-	Educational, guidance, school, and	Non-STEM	13.1101 Counselor Education/School Counseling	North	Centra	University	0
1012 23-	vocational counselors		and Guidance Services.		_	of Idaho University	
1011	Lawyers	Non-STEM	22.0101Law.	North	Centra	of Idaho	97
25- 1081	Education teachers, postsecondary	Non-STEM	13.0101Education, General.	North	Centra	University of Idaho	7
25-	Elementary school teachers, except	Non-STEM	13.1202Elementary Education and Teaching.	North	Centra	University	0
	special education	INOITO I EIVI	15.1202 Liementary Education and Teaching.	INOILI	oenilid	of Idaho	U
25- 2021	Elementary school teachers, except special education	Non-STEM	13.1338Environmental Education.	North	Centra	University of Idaho	0
25-	Elementary school teachers, except	Non-STEM	13.1401 Teaching English as a Second or Foreign	North	Centra	University	9
2021 25-	special education Elementary school teachers, except	Non OTEN	Language/ESL Language Instructor.	NI- 17	0	of Idaho University	40
	special education	Non-S FEM	13.1202Elementary Education and Teaching.	North	Centra	of Idaho	42

					At	tachment
25- 2021	Elementary school teachers, except special education	Non-STEM	13.1338Environmental Education.	North Central	University of Idaho	26
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	54.0101History, General.	North Central	University of Idaho	0
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	13.1205Secondary Education and Teaching.	North Central	University of Idaho	0
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	19.0101 Family and Consumer Sciences/Human Sciences, General.	North Central	University of Idaho	11
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	23.0101English Language and Literature, General.	North Central	University of Idaho	11
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	50.0701Art/Art Studies, General.	North Central	University of Idaho	6
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	50.0901Music, General.	North Central	University of Idaho	3
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	54.0101History, General.	North Central	University of Idaho	5
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	13.1205Secondary Education and Teaching.	North Central	University of Idaho	25
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	13.1302Art Teacher Education.	North Central	University of Idaho	3
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	13.1305English/Language Arts Teacher Education.	North Central	University of Idaho	3
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	13.1307Health Teacher Education.	North Central	University of Idaho	0
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	13.1308 Family and Consumer Sciences/Home Economics Teacher Education.	North Central	University of Idaho	0
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	13.1309 Technology Teacher Education/Industrial Arts Teacher Education.	North Central	University of Idaho	0
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	13.1312Music Teacher Education.	North Central	University of Idaho	8
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	19.0101 Family and Consumer Sciences/Human Sciences, General.	North Central	University of Idaho	0
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	23.0101English Language and Literature, General.	North Central	University of Idaho	15
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	50.0701Art/Art Studies, General.	North Central	University of Idaho	3
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	50.0901Music, General.	North Central	University of Idaho	0
25- 2031	Secondary school teachers, except special and career/technical education	Non-STEM	54.0101History, General.	North Central	University of Idaho	17
25- 2052	Special education teachers, kindergarten and elementary school	Non-STEM	${\tt 13.1001Special\ Education\ and\ Teaching,\ General.}$	North Central	University of Idaho	10
	Adult basic and secondary education and literacy teachers and instructors	Non-STEM	13.1201 Adult and Continuing Education and Teaching.	North Central	University of Idaho	18
25- 9031	Instructional coordinators	Non-STEM	13.0301Curriculum and Instruction.	North Central	University of Idaho	19
27- 1024	Graphic designers	Non-STEM	01.0802Agricultural Communication/Journalism.	North Central	University of Idaho	14
27- 2012	Producers and directors	Non-STEM	50.0501 Drama and Dramatics/Theatre Arts, General.	North Central	University of Idaho	12
27- 2012	Producers and directors	Non-STEM	09.0701Radio and Television.	North Central	University of Idaho	0
27- 2012	Producers and directors	Non-STEM	50.0501 Drama and Dramatics/Theatre Arts, General.	North Central	University of Idaho	17
27-	Producers and directors	Non-STEM	50.0509Musical Theatre.	North Central	University	0

		1 LDROAKT 13, 2019			
				Att	tachment 1
2012				of Idaho	
27- 2012 Producers and directors	Non-STEM	50.0601Film/Cinema/Video Studies.	North Centra	University of Idaho	0
27- 2022 Coaches and scouts	Non-STEM	Physical Education Teaching and Coaching.	North Centra	University of Idaho	4
27- 2022 Coaches and scouts	Non-STEM	13.1314 Physical Education Teaching and Coaching.	North Centra	University of Idaho	3
27- 2022 Coaches and scouts	Non-STEM	Sport and Fitness Administration/Management.	North Centra	University of Idaho	0
27- 3022 Reporters and correspondents	Non-STEM	09.0102Mass Communication/Media Studies.	North Centra	University of Idaho	0
27- 3022 Reporters and correspondents	Non-STEM	09.0401Journalism.	North Centra	University of Idaho	8
27- 3031 Public relations specialists	Non-STEM	09.0101Speech Communication and Rhetoric.	North Centra	University of Idaho	0
27- 3031 Public relations specialists	Non-STEM	09.0902Public Relations/Image Management.	North Centra	University of Idaho	25
27- 3091 Interpreters and translators	Non-STEM	Foreign Languages and Literatures, General.	North Central	University of Idaho	4
27- 3091 Interpreters and translators	Non-STEM	16.0105Applied Linguistics.	North Central	University of Idaho	0
27- 3091 Interpreters and translators	Non-STEM	16.0901French Language and Literature.	North Centra	University of Idaho	6
27- 3091 Interpreters and translators	Non-STEM	16.0905Spanish Language and Literature.	North Centra	University of Idaho	28
33- 2011 Firefighters	Non-STEM	Fire Prevention and Safety Technology/Technician.	North Central	University of Idaho	0
33- 3031 Fish and game wardens	Non-STEM	03.0301 Fishing and Fisheries Sciences and Management.	North Central	University of Idaho	0
33- 3031 Fish and game wardens	Non-STEM	Management	North Centra	University of Idaho	16
49- Aircraft mechanics and service3011 technicians	Non-STEM	01.0205 Agricultural Mechanics and Equipment/Machine Technology.	North Centra	of Idaho	0
11- Computer and information system 3021 managers	s STEM Narrow	11.0101 Computer and Information Sciences, General.	North Central	Lewis- Clark State College	4
11- Computer and information system 3021 managers	s STEM Narrow	11.0401Information Science/Studies.	North Centra	State College	0
11- Computer and information system 3021 managers	s STEM Narrow	11.1001 Network and System Administration/Administrator.	North Centra	Clark State College	5
11- 9121 Natural sciences managers	STEM Narrow	27.0101Mathematics, General.	North Centra	State College	3
11- 9121 Natural sciences managers	STEM Narrow	40.0501Chemistry, General.	North Centra	State College	4
11- 9121 Natural sciences managers	STEM Narrow	40.0601Geology/Earth Science, General.	North Centra	State College	0
11- 9121 Natural sciences managers	STEM Narrow	40.0602Geochemistry.	North Centra	Lewis- Clark State College	0
11- 9121 Natural sciences managers	STEM Narrow	40.0699 Geological and Earth Sciences/Geosciences, Other.	North Centra	State College	0
15- 1122 Information security analysts	STEM Narrow	11.1002 System, Networking, and LAN/WAN Management/Manager.	North Centra	State College	0
15- 1132 Software developers, applications	STEM Narrow	11.0103Information Technology.	North Centra	Lewis- Clark State College	0

Lewis-

		FEBRUARY 13, 2019			A ((1 (- 4 -
15	STEMI	Web Page Digital/Multimedia and		Clark	Attachment 1
15- 1134 Web developers	STEM Narrow	11.0801 Web Page, Digital/Multimedia and Information Resources Design.	North Centra	State College	5
15- 1134 Web developers	STEM Narrow	11.0801 Web Page, Digital/Multimedia and Information Resources Design.	North Centra	State College	9
15- 2031 Operations research analysts	STEM Narrow	52.1301Management Science.	North Centra	State College	24
17- 3011 Architectural and civil drafters	STEM Narrow	15.1304 Civil Drafting and Civil Engineering CAD/CADD.	North Centra	Lewis- Clark State College	3
17- 3011 Architectural and civil drafters	STEM Narrow	Architectural Drafting and Architectural CAD/CADD.	North Centra	Lewis- Clark State College	0
17- 3011 Architectural and civil drafters	STEM Narrow	Civil Drafting and Civil Engineering CAD/CADD.	North Centra	Lewis- Clark State College	4
17- 3013 Mechanical drafters	STEM Narrow	Mechanical Drafting and Mechanical Drafting CAD/CADD.	North Centra	Lewis- Clark State College	3
17- 3013 Mechanical drafters	STEM Narrow	15.1306 Mechanical Drafting and Mechanical Drafting CAD/CADD.	North Centra	Lewis-	3
17- 3026 Industrial engineering technicians	STEM Narrow	15.0613 Manufacturing Engineering Technology/Technician.	North Centra	Lewis- Clark State College	1
17- 3026 Industrial engineering technicians	STEM Narrow	15.0613 Manufacturing Engineering Technology/Technician.	North Centra	State College	3
19- 1029 Biological scientists, all other	STEM Narrow	26.1305Environmental Biology.	North Centra	State College	0
29- 1141 Registered nurses	STEM Medical	51.3801Registered Nursing/Registered Nurse.	North Centra	State College	142
29- 2032 Diagnostic medical sonographers	STEM Medical	Diagnostic Medical 51.0910Sonography/Sonographer and Ultrasound Technician.	North Centra	College	0
29- 2034 Radiologic technologists	STEM Medical	51.0911 Radiologic Technology/Science - Radiographer.	North Central	Clark State College Lewis-	1
29- 2034 Radiologic technologists	STEM Medical	51.0911 Radiologic Technology/Science - Radiographer.	North Centra	Clark	15
29- Emergency medical technicians and 2041 paramedics	STEM Medical	Emergency Medical Technology/Technician (EMT Paramedic).	North Centra	Clark State College	1
29- Emergency medical technicians and 2041 paramedics	STEM Medical	51.0904 Emergency Medical Technology/Technician (EMT Paramedic).	North Centra	College	3
29- Licensed practical and licensed 2061 vocational nurses	STEM Medical	51.3901 Licensed Practical/Vocational Nurse Training.	North Centra	College	4
29- Medical records and health 2071 information technicians	STEM Medical	51.0713Medical Insurance Coding Specialist/Coder.	North Centra	Lewis- Clark State	4

EBRUARY 13, 2019
Attachment 1

					tttaoiiiioiit i
 Social scientists and related workers 	, STEM	45 0000 Social Sciences Other	North Control	College Lewis- Clark	4
3099 all other	Other	45.9999Social Sciences, Other.	North Central	State College Lewis-	1
11- 1021 General and operations managers	Non-STEM	52.0201 Business Administration and Management, General.	North Central	Clark State	57
11- Social and community service	Non OTEM	AL OZOLO - STIWAN	North Control	College Lewis- Clark	0.7
9151 managers	Non-STEM	44.0701 Social Work.	North Central	State College Lewis-	37
13- 1032 Insurance appraisers, auto damage	Non-STEM	47.0603 Autobody/Collision and Repair Technology/Technician.	North Central	Clark	0
13- 1032 Insurance appraisers, auto damage	Non-STEM	47.0603 Autobody/Collision and Repair Technology/Technician.	North Central	Lewis- Clark State	2
1002		reciniology recinician.		College Lewis-	
13- 2011 Accountants and auditors	Non-STEM	52.0305Accounting and Business/Management.	North Central	Clark State College	20
23- 2011 Paralegals and legal assistants	Non-STEM	22.0302Legal Assistant/Paralegal.	North Central	Lewis- Clark State	4
				College Lewis-	
23- 2011 Paralegals and legal assistants	Non-STEM	22.0302Legal Assistant/Paralegal.	North Central	College	4
25- Kindergarten teachers, except 2012 special education	Non-STEM	13.1210Early Childhood Education and Teaching.	North Central	Lewis- Clark State College	6
25- Elementary school teachers, except 2021 special education	Non-STEM	13.1202Elementary Education and Teaching.	North Central	Lewis- Clark State College	32
25- 2031 Secondary school teachers, except special and career/technical education	Non-STEM	13.1305English/Language Arts Teacher Education.	North Central	Lewis- Clark State	2
Secondary school teachers, except special and career/technical	Non-STFM	13.1307Health Teacher Education.	North Central	College Lewis- Clark	0
education				State College Lewis-	· ·
Secondary school teachers, except special and career/technical education	Non-STEM	23.0101English Language and Literature, General.	North Central	Clark State College	2
25- Secondary school teachers, except special and career/technical education	Non-STEM	54.0101History, General.	North Central	Lewis- Clark State	3
25- Special education teachers,				College Lewis- Clark	
2052 kindergarten and elementary school	Non-STEM	13.1001 Special Education and Teaching, General.	North Central	State College Lewis-	0
27- 2022 Coaches and scouts	Non-STEM	31.0501 Health and Physical Education/Fitness, General.	North Central	Clark State College	7
27- 2022 Coaches and scouts	Non-STEM	31.0504 Sport and Fitness Administration/Management.	North Central	Lewis- Clark State College	22
27- 3031 Public relations specialists	Non-STEM	09.0101Speech Communication and Rhetoric.	North Central	Lewis- Clark State	15
				College Lewis-	

		FEBRUART 13, 2019		
				Attachment 1
27- Editors	Non-STEM	09.1001Publishing.	North Central Clark	2
3041			State College	_
			Lewis-	5
31			Clark	
Medical assistants 9092	Non-STEM	51.0710Medical Office Assistant/Specialist.	North Central State	0
			College	е
			Lewis-	
31- Medical assistants	Non-STEM	51.0801Medical/Clinical Assistant.	North Central Clark	1
9092			State	
			College	9
31-			Lewis- Clark	
9092 Medical assistants	Non-STEM	51.0710Medical Office Assistant/Specialist.	North Central State	6
			College	е
			Lewis-	
31- Medical assistants	Non-STEM	51.0801 Medical/Clinical Assistant.	North Central	2
9092	NOIT OT LIVE	51.000 Tiviculcal/Ollifical Assistant.	State	2
			College	9
24			Lewis-	
31- 9092 Medical assistants	Non-STEM	51.0712Medical Reception/Receptionist.	North Central State	1
3032			College	9
			Lewis-	
31- Madical transcriptionists	Non STEM	51.0708Medical Transcription/Transcriptionist.	North Central Clark	1
Medical transcriptionists	NOII-S I EIVI	51.0706iviedicai Transcription/Transcriptionist.	State	'
			College	e
			Lewis-	
33- Firefighters	Non-STEM	43.0203Fire Science/Fire-fighting.	North Central Clark	1
2011			State College	2
			Lewis-	5
33			Clark	
Firefighters 2011	Non-STEM	43.0203Fire Science/Fire-fighting.	North Central State	1
			College	е
			Lewis-	
43- Statistical assistants	Non-STEM	Accounting Technology/Technician and	North Central Clark	0
9111		Bookkeeping.	State	
			College Lewis-	7
49- Electrical and electronics repairers,		Industrial Electronics	Clark	
2094 commercial and industrial equipmer	Non-STEM nt	47.0105 Technology/Technician.	North Central State	1
			College	е
			Lewis-	
49- Electrical and electronics repairers,	Non-STEM	47.0105 Industrial Electronics Technology/Technician.	North Central	4
2094 commercial and industrial equipmer	ıı	reciniology/recinician.	State College	2
			Lewis-	
49- Electrical and electronics repairers,	No. OTEM	47.0105 Industrial Electronics Technology/Technician.	Clark	_
2094 commercial and industrial equipmer	nt Non-STEIM	Technology/Technician.	North Central State	1
			College	e
			Lewis-	
49- Automotive service technicians and 3023 mechanics	Non-STEM	Automobile/Automotive Mechanics 47.0604 Technology/Technician.	North Central State	2
3023 Mechanics		recinology/recinician.	College	2
			Lewis-	
49- Automotive service technicians and	No. OTEM	Az 0004 Automobile/Automotive Mechanics	Clark	4
3023 mechanics	Non-STEM	Technology/Technician.	North Central State	4
			College	e
			Lewis-	
49- Automotive service technicians and	Non-STEM	Automobile/Automotive Mechanics	North Central Clark	4
3023 mechanics		Technology/Technician.	State	2
			College Lewis-	•
49- Heating, air conditioning, and		Heating, Air Conditioning, Ventilation and	Clark	_
9021 refrigeration mechanics and installe	Non-STEM rs	47.0201Refrigeration Maintenance	North Central State	0
		Technology/Technician.	College	Э
		Heating, Air Conditioning, Ventilation and	Lewis-	
49- Heating, air conditioning, and	Non-STEM	47.0201Refrigeration Maintenance	North Central Clark	3
9021 refrigeration mechanics and installe	rs	Technology/Technician.	State	
			College Lewis-	9
49- Heating, air conditioning, and		Heating, Air Conditioning, Ventilation and	Clark	
9021 refrigeration mechanics and installe	Non-STEM	47.0201Refrigeration Maintenance	North Central State	1
	_	Technology/Technician.	<u> </u>	

				7.1	taciiiiciit
51				College Lewis- Clark	
Prepress technicians and workers	Non-STEM	10.0301 Graphic Communications, General.	North Central	State College Lewis-	5
51- 5111 Prepress technicians and workers	Non-STEM	10.0301Graphic Communications, General.	North Central	Clark State College	6
11- Computer and information systems 3021 managers	STEM Narrow	52.1201 Management Information Systems, General.	Southwestern	Boise State	0
11- Computer and information systems 3021 managers	STEM Narrow	52.0205Operations Management and Supervision.	Southwestern		0
11- Architectural and engineering 9041 managers	STEM Narrow	14.1801Materials Engineering.	Southwestern		4
11- Architectural and engineering 9041 managers	STEM Narrow	04.0301 City/Urban, Community and Regional Planning.	Southwestern	University Boise State	4
11- Architectural and engineering	STEM	14.1801Materials Engineering.	Southwestern	University Boise State	8
9041 managers 11- Architectural and engineering	Narrow STEM	14.1901Mechanical Engineering.	Southwestern	University Boise State	3
9041 managers 11- Architectural and engineering	Narrow STEM	04.0301 City/Urban, Community and Regional Planning.	Southwestern	University Boise	1
9041 managers 11- Architectural and engineering	Narrow STEM			University Boise	
9041 managers 11- Architectural and engineering	Narrow STEM	14.1801Materials Engineering.	Southwestern	University Boise	15
9041 managers	Narrow STEM	14.1901Mechanical Engineering.	Southwestern	State University Boise	93
9121 Natural sciences managers	Narrow	26.0299 Biochemistry, Biophysics and Molecular Biology, Other.	Southwestern	State University Boise	2
9121 Natural sciences managers	STEM Narrow	40.0601Geology/Earth Science, General.	Southwestern	State University Boise	3
9121 Natural sciences managers	STEM Narrow	40.0603Geophysics and Seismology.	Southwestern	State University Boise	0
11- 9121 Natural sciences managers	STEM Narrow	26.0101Biology/Biological Sciences, General.	Southwestern		9
11- Natural sciences managers 9121	STEM Narrow	26.0210Biochemistry and Molecular Biology.	Southwestern	State University	1
11- 9121 Natural sciences managers	STEM Narrow	27.0101Mathematics, General.	Southwestern	University	7
11- 9121 Natural sciences managers	STEM Narrow	40.0601Geology/Earth Science, General.	Southwestern	University	6
11- 9121 Natural sciences managers	STEM Narrow	40.0603Geophysics and Seismology.	Southwestern	University	4
11- 9121 Natural sciences managers	STEM Narrow	40.0605Hydrology and Water Resources Science.	Southwestern	Boise State University	1
11- 9121 Natural sciences managers	STEM Narrow	26.0101Biology/Biological Sciences, General.	Southwestern	Boise State University	118
11- 9121 Natural sciences managers	STEM Narrow	27.0101Mathematics, General.	Southwestern	Boise State University	20
11- 9121 Natural sciences managers	STEM Narrow	27.0301Applied Mathematics, General.	Southwestern	Boise State University	14
11- 9121 Natural sciences managers	STEM Narrow	40.0601Geology/Earth Science, General.	Southwestern	Boise	22

				Cillient
			University	
11-	STEM		Boise	
Natural sciences managers		40.0603Geophysics and Seismology.	SouthwesternState	1
9121	Narrow		University	
			Boise	
11- Natural sciences managers	STEM	40.0801Physics, General.	SouthwesternState	17
9121 Natural sciences managers	Narrow	40.000 Ti Tiysics, General.		17
			University	
15- , , , , , , , , ,	STEM	Computer Systems Networking and	Boise	
Information security analysts	Narrow	11.0901 Telecommunications.	SouthwesternState	0
1122	INATION	releconfindifications.	University	
			Boise	
15- Software developers, applications	STEM	11.0701Computer Science.	SouthwesternState	16
1132 Software developers, applications	Narrow	11.07 0 Toomputer Colonico.	University	10
			*	
15-	STEM		Boise	
Software developers, applications	Narrow	14.0901Computer Engineering, General.	SouthwesternState	1
1132	INATION		University	
			Boise	
15- Software developers, applications	STEM	11.0103Information Technology.	SouthwesternState	56
1132	Narrow	11.0100millormation recrimology.		30
			University	
15-	STEM		Boise	
Software developers, applications	Narrow	11.0701Computer Science.	SouthwesternState	69
1132	INATIOW		University	
			Boise	
15- 1100 Computer occupations, all other	STEM	11.0401Information Science/Studies.	SouthwesternState	0
1199 Computer occupations, all other	Narrow	11.040 Tilliottiation Science/Studies.		U
			University	
15-	STEM		Boise	
Computer occupations, all other		11.0401Information Science/Studies.	SouthwesternState	0
1199	Narrow		University	
			Boise	
17- Cartographers and	STEM	Geographic Information Science and Cartography.		2
1021 photogrammetrists	Narrow	Cartography.	SouthwesternState	3
			University	
47	CTEM		Boise	
Civil engineers	STEM	14.0801Civil Engineering, General.	SouthwesternState	5
2051 Civil engineers	Narrow	3 11 3, 11 1	University	
			•	
17-	STEM		Boise	
2051 Civil engineers	Narrow	14.0801Civil Engineering, General.	SouthwesternState	63
2001	14011044		University	
47	OTENAL		Boise	
17- Electrical engineers	STEM	14.1001Electrical and Electronics Engineering	SouthwesternState	5
2071	Narrow	· · · · · · · · · · · · · · · · · · ·	University	-
			•	
17	STEMI		Boise	
Electrical engineers	Narrow	14.1001 Electrical and Electronics Engineering	SouthwesternState	8
2071	INGITOW		University	
			Boise	
17- Electrical engineers	STEM	14.1001Electrical and Electronics Engineering	SouthwesternState	46
2071 Electrical engineers	Narrow	Times Telestrical and Electromos Engineering	University	
			•	
19	STEM		Boise	
19- 1023 Zoologists and wildlife biologists	Narrow	26.0799Zoology/Animal Biology, Other.	SouthwesternState	5
1023	INAITOW		University	
			Boise	
19- Chemists	STEM	40.0501Chemistry, General.	SouthwesternState	2
2031	Narrow	40.000 ronemistry, General.		2
			University	
19-	STEM		Boise	
Chemists	Narrow	40.0599Chemistry, Other.	SouthwesternState	0
2001	INCHIOW		University	
			Boise	
19- Chemists	STEM	40.0501Chemistry, General.	SouthwesternState	25
2031	Narrow	40.000 renembly, General.		25
			University	
19- Environmental scientists and	STEM		Boise	
		03.0103Environmental Studies.	SouthwesternState	29
2041 specialists, including health	Narrow		University	
			Boise	
19- Environmental scientists and	STEM	51.2202Environmental Health.	SouthwesternState	6
2041 specialists, including health	Narrow	O I LECOELINII O I I I I I I I I I I I I I I I I I		U
· ·			University	
29-	STEM		Boise	
1126 Respiratory therapists		51.0908Respiratory Care Therapy/Therapist.	SouthwesternState	127
1120	Medical		University	
			Boise	
29- Registered nurses	STEM	51.3818Nursing Practice.	SouthwesternState	8
1141 Registered hurses	Medical	51.50 forturally r faction.		U
			University	
29-	STEM		Boise	
Registered nurses		51.3801Registered Nursing/Registered Nurse.	SouthwesternState	1
1141	Medical		University	
			Boise	
29-	STEM		20100	

			FEE	BRUARY 13, 2019			
						At	tachment 1
1141 Register	red nurses	Medical	51.3818	BNursing Practice.	Southwesterr	University	18
29- 1141 Register	red nurses	STEM Medical	51.380	1 Registered Nursing/Registered Nurse.	Southwestern	Boise State University	299
29- 1141 Register	red nurses	STEM Medical	51.3818	BNursing Practice.	Southwestern	Boise State University	4
29- Medical 2011 technolo	and clinical laboratory	STEM Medical	51.100	Clinical Laboratory Science/Medical Technology/Technologist.	Southwestern	Boise	0
29-	gic technologists	STEM		Medical Radiologic Technology/Science - Radiation Therapist.	Southwestern	University Boise	0
2034	-	Medical STEM		Radiologic Technology/Science -	Coulineoton	University Boise	Ü
2034 Radiolog	gic technologists	Medical	51.091	Radiographer.	Southwestern	State University Boise	42
29- 2034 Radiolog	gic technologists	STEM Medical	51.0907	Medical Radiologic Technology/Science - Radiation Therapist.	Southwestern	State University	1
	records and health ion technicians	STEM Medical	51.0707	, Health Information/Medical Records Technology/Technician.	Southwestern	Boise State University	0
29- 9091 Athletic	trainers	STEM Medical	51.0913	BAthletic Training/Trainer.	Southwestern	Boise State University	14
11- Medical 9111 manage	and health services	STEM Other	51.070	Health Information/Medical Records Administration/Administrator.	Southwestern	Boise State University	0
11- Medical 9111 manage	and health services rs	STEM Other	51.220	1 Public Health, General.	Southwestern	University	0
25- Political 1065 postseco	science teachers, ondary	STEM Other	44.050	Public Policy Analysis, General.	Southwestern	University	2
11- 1021 General	and operations managers	Non-STEM	44.040	Public Administration.	Southwestern	University	24
11- 1021 General	and operations managers	Non-STEM	52.020	Business Administration and Management, General.	Southwestern	University	120
11- 1021 General	and operations managers	Non-STEM	44.040	Public Administration.	Southwestern	Boise State University Boise	0
11- 1021 General	and operations managers	Non-STEM	52.010	Business/Commerce, General.	Southwestern	State University	147
11- 1021 General	and operations managers	Non-STEM	52.020	Business Administration and Management, General.	Southwestern	Boise State University Boise	97
11- 1021 General	and operations managers	Non-STEM	52.080	Finance, General.	Southwestern	State University	80
11- 1021 General	and operations managers	Non-STEM	52.110°	International Business/Trade/Commerce.	Southwestern	University	22
11- 9021 Constru	ction managers	Non-STEM	52.200	Construction Management.	Southwestern	University	33
11- Education 9033 postseco	on administrators, ondary	Non-STEM	13.0401	Educational Leadership and Administration General.	Southwestern	University	42
11- Social a 9151 manage	nd community service rs	Non-STEM	44.0201	Community Organization and Advocacy.	Southwestern	University	0
11- Social a 9151 manage	nd community service rs	Non-STEM	52.0206	Non-Profit/Public/Organizational Management.	Southwestern	Boise State University	4

 $\label{eq:criminal Justice/Law Enforcement Administration.} {\footnotesize \begin{array}{c} \text{Criminal Justice/Law Enforcement} \\ \text{Administration.} \end{array}}$

Non-STEM 43.0103 Criminal Justice/Law Enforcement Administration.

11-9199 Managers, all other

11-9199 Managers, all other 2

111

University Boise

University

University

SouthwesternState

SouthwesternState

					tachment
11-	Managers all other	Non STEM	45.0701 Goography	Boise SouthwesternState	0
919	Managers, all other		45.0701Geography.	University Boise	U
13- 107	Human resources specialists	Non-STEM	52.1099 Human Resources Management and Services, Other.	SouthwesternState University Boise	0
13- 107	Labor relations specialists	Non-STEM	30.2801Dispute Resolution.	SouthwesternState University	16
13- 115	Training and development specialists	s Non-STEM	52.1005Human Resources Development.	Boise SouthwesternState University	8
13- 116	Market research analysts and 1 marketing specialists	Non-STEM	52.1401 Marketing/Marketing Management, General.	Boise SouthwesternState University	104
13- 201	Accountants and auditors	Non-STEM	52.0301Accounting.	Boise SouthwesternState University	37
13- 201	Accountants and auditors	Non-STEM	52.0301Accounting.	Boise SouthwesternState University	125
13- 201	Accountants and auditors	Non-STEM	52.0304Accounting and Finance.	Boise SouthwesternState University	1
21- 1012	Educational, guidance, school, and 2 vocational counselors	Non-STEM	13.1101 Counselor Education/School Counseling and Guidance Services.	Boise SouthwesternState University	10
21- 102	Child, family, and school social workers	Non-STEM	44.0701 Social Work.	Boise SouthwesternState University	112
21- 102	Child, family, and school social workers	Non-STEM	44.0701Social Work.	Boise SouthwesternState University	50
25- 112 ⁻	Art, drama, and music teachers, 1 postsecondary	Non-STEM	50.0903Music Performance, General.	Boise SouthwesternState University	6
25- 201	Preschool teachers, except special 1 education	Non-STEM	13.1210Early Childhood Education and Teaching.	Boise SouthwesternState University	7
25- 201	Preschool teachers, except special 1 education	Non-STEM	13.1210Early Childhood Education and Teaching.	Boise SouthwesternState University	0
25- 202 ⁻	Elementary school teachers, except 1 special education	Non-STEM	13.0201Bilingual and Multilingual Education.	Boise SouthwesternState University	5
25- 202 ⁻	Elementary school teachers, except 1 special education	Non-STEM	13.0201Bilingual and Multilingual Education.	Boise SouthwesternState University	6
25- 202	Elementary school teachers, except 1 special education	Non-STEM	13.1202Elementary Education and Teaching.	Boise SouthwesternState University	79
25- 203	education	Non-STEM	13.1302Art Teacher Education.	Boise SouthwesternState University	0
25- 203	Secondary school teachers, except special and career/technical education	Non-STEM	13.1305English/Language Arts Teacher Education.	Boise SouthwesternState University	6
25- 203	Secondary school teachers, except special and career/technical education	Non-STEM	13.1312Music Teacher Education.	Boise SouthwesternState University	2
25- 203	Secondary school teachers, except special and career/technical education	Non-STEM	13.1314 Physical Education Teaching and Coaching.	Boise SouthwesternState University	0
25- 203 ⁻	Secondary school teachers, except special and career/technical education	Non-STEM	13.1315Reading Teacher Education.	Boise SouthwesternState University	17
25- 203 ⁻	education	Non-STEM	23.0101English Language and Literature, General.	University	12
25- 203 ⁻	education	Non-STEM	54.0101History, General.	Boise SouthwesternState University	6
25- 203 ⁻	Secondary school teachers, except special and career/technical	Non-STEM	13.1302Art Teacher Education.	Boise SouthwesternState	1

				Atta	achment
	education			University	
25-	Secondary school teachers, except			Boise	
2031	special and career/technical	Non-STEM	13.1305English/Language Arts Teacher Education.		14
	education			University	
25-	Secondary school teachers, except special and career/technical	Non CTEM	Technology Teacher Education/Industrial	Boise SouthwesternState	112
2031	education	Non-STEM	Arts Teacher Education.		113
	Secondary school teachers, except			University Boise	
25-	special and career/technical	Non-STFM	13.1312Music Teacher Education.	SouthwesternState	3
2031	education	IVOIT OT LIVI	13.1312Wusie Teacher Education.	University	9
	Secondary school teachers, except			Boise	
25-	special and career/technical	Non-STEM	Physical Education Teaching and 13.1314	SouthwesternState	6
2031	education		Coaching.	University	
	Secondary school teachers, except			Boise	
25-	special and career/technical	Non-STEM	13.1324Drama and Dance Teacher Education.	SouthwesternState	0
2031	education			University	
25	Secondary school teachers, except			Boise	
25- 2031	special and career/technical	Non-STEM	13.1325French Language Teacher Education.	SouthwesternState	0
2031	education			University	
25-	Secondary school teachers, except			Boise	
2031	special and career/technical	Non-STEM	13.1326German Language Teacher Education.	SouthwesternState	0
2031	education			University	
25-	Secondary school teachers, except			Boise	
2031	special and career/technical	Non-STEM	13.1328History Teacher Education.	SouthwesternState	5
2001	education			University	
25-	Secondary school teachers, except			Boise	
2031	special and career/technical	Non-STEM	13.1330Spanish Language Teacher Education.	SouthwesternState	3
2001	education			University	
25-	Secondary school teachers, except			Boise	
2031	special and career/technical	Non-STEM	13.1331Speech Teacher Education.	SouthwesternState	0
2001	education			University	
25-	Secondary school teachers, except			Boise	
2031	special and career/technical	Non-STEM	13.1335Psychology Teacher Education.	SouthwesternState	0
200.	education			University	
25-	Secondary school teachers, except			Boise	
2031	special and career/technical	Non-STEM	16.0901French Language and Literature.	SouthwesternState	8
	education			University	
25-	Secondary school teachers, except			Boise	
2031	special and career/technical	Non-STEM	16.0905Spanish Language and Literature.	SouthwesternState	24
	education			University	
25-	Secondary school teachers, except		20.04045 15.1.1	Boise	
2031	special and career/technical	Non-STEIM	23.0101English Language and Literature, General.		71
	education			University	
25-	Secondary school teachers, except special and career/technical	Non CTEM	FO 0001 Music Conord	Boise SouthwesternState	5
2031	education	INOII-3 I EIVI	50.0901Music, General.	University	5
	Secondary school teachers, except			Boise	
25-	special and career/technical	Non-STEM	54.0101History, General.	SouthwesternState	49
2031	education	THOIT O'T EIVI	o no to tributory, Contoral.	University	10
				Boise	
25-	Special education teachers,	Non-STEM	13.1015 Education/Teaching of Individuals in Early	SouthwesternState	0
2051	preschool		Childhood Special Education Programs.	University	
				Boise	
25-	Special education teachers,	Non-STEM	13.1001Special Education and Teaching, General.		17
2052	kindergarten and elementary school		,	University	
0.5	On a sint a description to a decom-			Boise	
25-	Special education teachers,	Non-STEM	13.1001Special Education and Teaching, General.	SouthwesternState	25
2052	kindergarten and elementary school		-	University	
25	Consist advantion to show		Education/Tanahina of Individuals in	Boise	
25-	Special education teachers,	Non-STEM	13.1017 Education/Teaching of Individuals in Elementary Special Education Programs.	SouthwesternState	0
2052	kindergarten and elementary school		Elementary Special Education Programs.	University	
25-				Boise	
9031	Instructional coordinators	Non-STEM	13.0301 Curriculum and Instruction.	SouthwesternState	4
9031				University	
25-				Boise	
9031	Instructional coordinators	Non-STEM	13.0501 Educational/Instructional Technology.	SouthwesternState	8
3031				University	
25-				Boise	
9031	Instructional coordinators	Non-STEM	13.0301Curriculum and Instruction.	SouthwesternState	30
5051				University	
25-				Boise	
9031	Instructional coordinators	Non-STEM	13.0501Educational/Instructional Technology.	SouthwesternState	154
				University	
27-			Design and Visual Communications,	Boise	
4405	NA OFOOLON BROA			TAR	A D

			At	tachment 1
1024 Graphic designers	Non-STE	// 50.0401 General.	SouthwesternState	3
.02.		Conoran	University	
27- Graphic designers	Non STEM	Design and Visual Communications,	Boise SouthwesternState	25
1024 Graphic designers	5 NOII-31EI	General.	University	25
			Boise	
27- Graphic designers	Non-STE	// 50.0402Commercial and Advertising Art.	SouthwesternState	24
1024 Grapfile designers		•	University	
27-			Boise	
1024 Graphic designers	Non-STE	1 50.0409Graphic Design.	SouthwesternState	0
			University	
27- Coaches and scor	its Non STEM	Sport and Fitness Administration/Management	Boise SouthwesternState	13
2022 Coaches and scot	uis Non-Ster	Administration/Management.	University	13
			Boise	
27- 2022 Coaches and scor	uts Non-STE	Health and Physical Education/Fitness, General.	SouthwesternState	10
2022		General.	University	
27-			Boise	
3031 Public relations sp	pecialists Non-STEN	I 09.0101Speech Communication and Rhetoric.	SouthwesternState	6
			University Boise	
27- Public relations sp	necialists Non-STEM	// 09.0101Speech Communication and Rhetoric.	SouthwesternState	202
3031	redianote 14011 GTE1	oc. o to to pood to difficultina in a faticiono.	University	202
07			Boise	
27- 3041 Editors	Non-STE	1 09.0102Mass Communication/Media Studies.	SouthwesternState	0
3041			University	
27			Boise	
3041 Editors	Non-STE	1 09.9999 Communication, Journalism, and Related Programs, Other.	SouthwesternState	0
		-	University	
15- Web developers	STEM	Web Page, Digital/Multimedia and	College of SouthwesternWestern	7
1134	Narrow	Information Resources Design.	Idaho	,
45 O	OTEM		College of	
15- Computer network1152 specialists	support STEM Narrow	11.1006Computer Support Specialist.	SouthwesternWestern	12
1102 Specialists	Natiow		Idaho	
17	STEM	CAD/CADD Drafting and/or Design	College of	
3011 Architectural and	Civil drafters Narrow	CAD/CADD Drafting and/or Design Technology/Technician.	SouthwesternWestern	10
			Idaho College of	
	tronics engineering STEM	Electrical, Electronic and Communications	SouthwesternWestern	19
3023 technicians	Narrow	Engineering Technology/Technician.	Idaho	
29-	. STEM		College of	
2055 Surgical technolog	gists Medical	51.0909Surgical Technology/Technologist.	SouthwesternWestern	9
			Idaho	
29- Surgical technolog	stem	51.0909Surgical Technology/Technologist.	College of	17
2055 Surgical technolog	Medical	51.0909Surgical Technology/Technologist.	SouthwesternWestern Idaho	17
			College of	
13- Insurance apprais	ers, auto damage Non-STEN	Autobody/Collision and Repair	SouthwesternWestern	2
1032		Technology/Technician.	Idaho	
13		A 47 0000 Autobody/Collision and Repair	College of	
1032 Insurance apprais	ers, auto damage Non-STEN	7 47.0603 Technology/Technician.	SouthwesternWestern	21
			Idaho College of	
25- Preschool teacher	rs, except special Non-STEN	Child Care and Support Services	SouthwesternWestern	11
2011 education		Management.	Idaho	
24			College of	
31- 2021 Physical therapist	assistants Non-STEM	1 51.0806Physical Therapy Technician/Assistant.	SouthwesternWestern	10
2021			Idaho	
31-	N. OTEN	4 54 0740M II 1 0/11 A 1 4 4/0 1 II 4	College of	•
9092 Medical assistants	S Non-STE	1 51.0710Medical Office Assistant/Specialist.	SouthwesternWestern Idaho	6
31- Medical assistants	Non-STE	Medical Administrative/Executive Assistant	t SouthwesternWestern	8
9092		and Medical Secretary.	Idaho	
31			College of	
9092 Medical assistants	Non-STE	1 51.0801Medical/Clinical Assistant.	SouthwesternWestern	17
			Idaho	
31- Modical assistants	NION CTEM	4 51 0710Medical Office Assistant/Specialist	College of	11
9092 Medical assistants	o NOU-91E	1 51.0710Medical Office Assistant/Specialist.	SouthwesternWestern Idaho	11
			College of	
33- 2011 Firefighters	Non-STE	43.0203Fire Science/Fire-fighting.	SouthwesternWestern	1
2011			Idaho	

			Atta	ichment <i>1</i>
49- Automotive service technicians ar 3023 mechanics	Non-STEM	47.0604 Automobile/Automotive Mechanics Technology/Technician.	College of SouthwesternWestern Idaho	10
49- Automotive service technicians ar 3023 mechanics	Non-STEM	47.0604 Automobile/Automotive Mechanics Technology/Technician.	College of SouthwesternWestern Idaho	61
53- 3032 Heavy and tractor-trailer truck driv	vers Non-STEM	49.0205 Truck and Bus Driver/Commercial Vehicle Operator and Instructor.	College of SouthwesternWestern Idaho	54
15- 1134 Web developers	STEM Narrow	11.0801 Web Page, Digital/Multimedia and Information Resources Design.	College of South CentralSouthern Idaho	8
17- 3011 Architectural and civil drafters	STEM Narrow	15.1302 CAD/CADD Drafting and/or Design Technology/Technician.	College of South CentralSouthern Idaho	4
17- 3024 Electro-mechanical technicians	STEM Narrow	15.0406 Automation Engineer Technology/Technician.	College of South CentralSouthern Idaho	1
17- Environmental engineering 3025 technicians	STEM Narrow	15.0507 Environmental Engineering Technology/Environmental Technology.	College of South Central Southern Idaho	3
17- 3026 Industrial engineering technicians	STEM Narrow	15.0613 Manufacturing Engineering Technology/Technician.	College of South Central Southern Idaho	4
17- Engineering technicians, except 3029 drafters, all other	STEM Narrow	15.0503 Energy Management and Systems Technology/Technician.	College of South CentralSouthern Idaho	3
19- Agricultural and food science 4011 technicians	STEM Narrow	01.1002Food Technology and Processing.	College of South CentralSouthern Idaho	5
29- 2021 Dental hygienists	STEM Medical	51.0602Dental Hygiene/Hygienist.	College of South CentralSouthern Idaho	10
29- 2034 Radiologic technologists	STEM Medical	51.0911 Radiologic Technology/Science - Radiographer.	College of South CentralSouthern Idaho	13
29- Emergency medical technicians a 2041 paramedics	nd STEM Medical	51.0904 (EMT Paramedic).	Idaho	7
29- Emergency medical technicians a 2041 paramedics	nd STEM Medical	51.0904 Emergency Medical Technology/Technician (EMT Paramedic).	idano	6
29- 2055 Surgical technologists	STEM Medical	51.0909Surgical Technology/Technologist.	College of South CentralSouthern Idaho	14
29- 2055 Surgical technologists	STEM Medical	51.0909Surgical Technology/Technologist.	College of South CentralSouthern Idaho	9
29- Veterinary technologists and 2056 technicians	STEM Medical	Veterinary/Animal Health 51.0808Technology/Technician and Veterinary Assistant.	College of South CentralSouthern Idaho	12
29- Licensed practical and licensed 2061 vocational nurses	STEM Medical	51.3901 Licensed Practical/Vocational Nurse Training.	College of South CentralSouthern Idaho	43
13- 1032 Insurance appraisers, auto damaç	ge Non-STEM	47.0603 Autobody/Collision and Repair Technology/Technician.	College of South CentralSouthern Idaho	2
13- 1032 Insurance appraisers, auto damag	ge Non-STEM	47.0603 Autobody/Collision and Repair Technology/Technician.	College of South CentralSouthern Idaho College of	6
25- Preschool teachers, except special 2011 education	Non-STEM	19.0708 Child Care and Support Services Management.	South CentralSouthern Idaho College of	8
31- 1014 Nursing assistants	Non-STEM	51.3902 Nursing Assistant/Aide and Patient Care Assistant/Aide.	South CentralSouthern Idaho College of	15
31- 2021 Physical therapist assistants	Non-STEM	51.0806Physical Therapy Technician/Assistant.	South CentralSouthern Idaho College of	0
31- 9092 Medical assistants	Non-STEM	51.0801Medical/Clinical Assistant.	South CentralSouthern Idaho College of	11
33- 2011 Firefighters	Non-STEM	43.0201 Fire Prevention and Safety Technology/Technician.	South CentralSouthern	1
NODE SESSION DDG	• A		TAD	A Daga 0

							Idobo	ttaoiiiioiit
							Idaho College of	
		Automotive service technicians and mechanics	Non-STEM	47.0604	Automobile/Automotive Mechanics Technology/Technician.	South Centra	-	13
	40	Live the second state of the second			Heating, Air Conditioning, Ventilation and		College of	
		Heating, air conditioning, and refrigeration mechanics and installers	Non-STEM	47.0201	Refrigeration Maintenance	South Centra	ISouthern	1
	3021	remgeration mechanics and instances	,		Technology/Technician.		Idaho	
	49-	Heating, air conditioning, and	Non CTEM	47.000	Heating, Air Conditioning, Ventilation and	Cauth Cantra	College of	-
	9021	refrigeration mechanics and installers	NON-STEIN	47.020	Refrigeration Maintenance Technology/Technician.	South Centra	Idaho	5
					reciliology/recililician.		Idaho	
		•	STEM Narrow	11.0401	Information Science/Studies.	Southeastern	State	0
	3021	managers	Narrow				University	
	11-	Architectural and engineering	STEM				Idaho	
			Narrow	14.1301	Engineering Science.	Southeastern		2
							University Idaho	
		Architectural and engineering	STEM	14.2701	Systems Engineering.	Southeastern		3
	9041	managers	Narrow				University	
	11-		STEM				Idaho	
	9121	Natural sciences managers	Narrow	40.0801	Physics, General.	Southeastern		2
							University	
	11-	Natural sciences managers	STEM	40.0504	Chemistry, General.	Southeastern	Idaho	1
	9121	ivaturar sciences managers	Narrow	40.000	onemany, General.	Journeastern	University	ı
			0.75141		0 1 1 15 4		Idaho	
	11- 9121	Natural sciences managers	STEM Narrow	40.0699	Geological and Earth Sciences/Geosciences, Other.	Southeastern	State	0
	9121		INATIOW		Sciences/Geosciences, Other.		University	
	11-		STEM				Idaho	
	9121	Natural sciences managers	Narrow	40.0801	Physics, General.	Southeastern		1
							University Idaho	
	11-	Natural sciences managers	STEM	40.0501	Chemistry, General.	Southeastern		8
	9121	. tatarar colonido managoro	Narrow	10.000	, enemony, eenem		University	Ü
	11		CTEMI		Goological and Earth		Idaho	
	11- 9121	Natural sciences managers	STEM Narrow	40.0699	Geological and Earth Sciences/Geosciences, Other.	Southeastern	State	0
	0121		Trainow		Colonidad, Colodianidad, Cinor.		University	
	11-	Natural acianasa managara	STEM	40.000	I Physica Conoral	Courthopatarn	Idaho	10
	9121	Natural sciences managers	Narrow	40.080	Physics, General.	Southeastern	University	10
							Idaho	
	15- 1121	Computer systems analysts	STEM Narrow	11.0101	Computer and Information Sciences, General.	Southeastern	State	0
	1121		INATIOW		General.		University	
	15-		STEM		Computer Systems Networking and		Idaho	
	1121	Computer systems analysts	Narrow	11.0901	Telecommunications.	Southeastern		4
							University Idaho	
	15-	Software developers, applications	STEM	11.0104	Informatics.	Southeastern		6
	1132	. ,	Narrow				University	
	15-		STEM		Computer Programming, Specific		Idaho	
	1132	Software developers, applications	Narrow	11.0202	Applications.	Southeastern		0
							University	
	15-	Software developers, applications	STEM	11 0701	Computer Science.	Southeastern	Idaho	17
	1132	Contware developers, applications	Narrow	11.070	Toomputer delende.	Oodincastern	University	17
	4.5		CTEMI				Idaho	
	15- 1132	Software developers, applications	STEM Narrow	15.1204	Computer Software Technology/Technician	.Southeastern	State	2
	1102		Ivaliow				University	
	15- ,	Mak dayalanan	STEM	44.0004	Web Page, Digital/Multimedia and	0	Idaho	4
	1134	Web developers	Narrow	11.0801	Information Resources Design.	Southeastern	University	1
							Idaho	
	15- ,	Web developers	STEM	11.0801	Web Page, Digital/Multimedia and	Southeastern		0
	1134		Narrow		Information Resources Design.		University	
	15-	Network and computer systems	STEM		Computer and Information Systems		Idaho	
			Narrow	11.1003	Security/Information Assurance.	Southeastern		12
					•		University Idaho	
			STEM	45 0703	Geographic Information Science and Cartography.	Southeastern		4
	1021	photogrammetrists	Narrow		Cartography.		University	•
	17-	Cartographers and	STEM				Idaho	
		• '	Narrow	15.1102	Surveying Technology/Surveying.	Southeastern		2
							University	
	17-	Cartographers and	STEM		Geographic Information Science and		Idaho	
_								

			1 LBROAKT 13, 2019			
					Attac	hment 1
1021	photogrammetrists	Narrow	45.0702 Cartography.		Jniversity	1
17- 2051	Civil engineers	STEM Narrow	14.0801Civil Engineering, General.	Southeastern S	daho State Jniversity	2
17- 2051	Civil engineers	STEM Narrow	14.0801Civil Engineering, General.	Southeastern S	daho State Jniversity	23
17- 2071	Electrical engineers	STEM Narrow	14.1001 Electrical and Electronics Engineering	I Southeastern S	daho	29
17- 2081	Environmental engineers	STEM Narrow	14.1401 Environmental/Environmental Health Engineering.	I Southeastern S	daho State	0
17- 2141	Mechanical engineers	STEM Narrow	14.1901Mechanical Engineering.	I Southeastern S		0
17- 2141	Mechanical engineers	STEM Narrow	14.1901Mechanical Engineering.		Jniversity daho State	37
17-	Nuclear engineers	STEM	14.2301 Nuclear Engineering.		Jniversity daho State	2
2161 17- 2161	Nuclear engineers	Narrow STEM	14.2301 Nuclear Engineering.	l	Jniversity daho	13
2161 17-		Narrow STEM		l I	Jniversity daho	
2161	Nuclear engineers	Narrow STEM	14.2301 Nuclear Engineering.		State Jniversity daho	8
17- 3011	Architectural and civil drafters	Narrow	15.1302CAD/CADD Drafting and/or Design Technology/Technician.		State Jniversity daho	2
17- 3011	Architectural and civil drafters	STEM Narrow	15.1302 CAD/CADD Drafting and/or Design Technology/Technician.	Southeastern S		5
17- 3022	Civil engineering technicians	STEM Narrow	15.0201Civil Engineering Technology/Technician.	Southeastern S	State University	2
17- 3022	Civil engineering technicians	STEM Narrow	46.0415Building Construction Technology.	Southeastern S	Jniversity	0
17- 3022	Civil engineering technicians	STEM Narrow	15.0201Civil Engineering Technology/Technician.	Southeastern S	daho State Jniversity	6
17- 3022	Civil engineering technicians	STEM Narrow	46.0415Building Construction Technology.	Southeastern S	daho State Jniversity	0
	Electrical and electronics engineering technicians	STEM Narrow	15.0303 Electrical, Electronic and Communications Engineering Technology/Technician.	Southeastern S	daho State Jniversity	2
	Electrical and electronics engineering technicians	STEM Narrow	15.0303 Electrical, Electronic and Communications Engineering Technology/Technician.	Southeastern S	daho State Jniversity	7
17- 3024	Electro-mechanical technicians	STEM Narrow	Electromechanical 15.0403Technology/Electromechanical Engineering Technology.	Southeastern S	daho State Jniversity	0
17- 3024	Electro-mechanical technicians	STEM Narrow	15.0404Instrumentation Technology/Technician.	I Southeastern S	daho	1
17- 3024	Electro-mechanical technicians	STEM Narrow	15.0405Robotics Technology/Technician.	I Southeastern S	daho	0
17- 3024	Electro-mechanical technicians	STEM Narrow	Electromechanical 15.0403Technology/Electromechanical Engineering Technology.	I Southeastern S	daho	0
17- 3024	Electro-mechanical technicians	STEM Narrow	15.0404Instrumentation Technology/Technician.	Southeastern S	daho State Jniversity	29
17- 3024	Electro-mechanical technicians	STEM Narrow	15.0405Robotics Technology/Technician.	Southeastern S	daho State Jniversity	0
17- 3027	Mechanical engineering technicians	STEM Narrow	15.0805 Mechanical Engineering/Mechanical Technology/Technician.	Southeastern S	daho State Jniversity	4

		FEDRUART 13, 2019	
			Attachment 1
17- 3027 Mechanical engineering technicians	STEM Narrow	15.0805 Mechanical Engineering/Mechanical Technology/Technician.	Idaho Southeastern State 4 University
17- Engineering technicians, except 3029 drafters, all other	STEM Narrow	15.0304Laser and Optical Technology/Technician.	Idaho Southeastern State 0 University
17- Engineering technicians, except 3029 drafters, all other	STEM Narrow	15.0503 Energy Management and Systems Technology/Technician.	Idaho Southeastern State 9 University
17- Engineering technicians, except 3029 drafters, all other	STEM Narrow	15.0304Laser and Optical Technology/Technician.	Idaho Southeastern State 0 University
17- Engineering technicians, except 3029 drafters, all other	STEM Narrow	15.0503 Energy Management and Systems Technology/Technician.	Idaho Southeastern State 19 University
19- 1023 Zoologists and wildlife biologists	STEM Narrow	26.0701Zoology/Animal Biology.	Idaho Southeastern State 0 University
19- 1023 Zoologists and wildlife biologists	STEM Narrow	26.1301Ecology.	Idaho Southeastern State 0 University
19- 1029 Biological scientists, all other	STEM Narrow	26.0101Biology/Biological Sciences, General.	Idaho Southeastern State 2
19- 1029 Biological scientists, all other	STEM Narrow	26.0101Biology/Biological Sciences, General.	University Idaho Southeastern State 8
19- 1029 Biological scientists, all other	STEM Narrow	26.0101Biology/Biological Sciences, General.	University Idaho Southeastern State 48
19- 1029 Biological scientists, all other	STEM	26.0210Biochemistry and Molecular Biology.	University Idaho Southeastern State 8
19- Riological scientists all other	Narrow STEM	26.0301Botany/Plant Biology.	University Idaho Southeastern State 0
1029 Medical scientists, except	Narrow STEM		University Idaho
1042 epidemiologists 19- Environmental scientists and	Narrow STEM	51.2010Pharmaceutical Sciences.	Southeastern State 1 University Idaho
2041 specialists, including health 19- Environmental scientists and	Narrow STEM	03.0104Environmental Science.	Southeastern State 3 University Idaho
2041 specialists, including health	Narrow	03.0104Environmental Science.	Southeastern State 2 University Idaho
19- 2043 Hydrologists	STEM Narrow	40.0601Geology/Earth Science, General.	Southeastern State 0 University Idaho
19- 2043 Hydrologists	STEM Narrow	40.0601Geology/Earth Science, General.	Southeastern State 7 University Idaho
19- 2043 Hydrologists	STEM Narrow	40.0601Geology/Earth Science, General.	Southeastern State 12 University
19- 4051 Nuclear technicians	STEM Narrow	15.1401 Nuclear Engineering Technology/Technician.	Idaho Southeastern State 0 University
19- 4051 Nuclear technicians	STEM Narrow	15.1401 Nuclear Engineering Technology/Technician.	Idaho Southeastern State 6 University
25- Mathematical science teachers,1022 postsecondary	STEM Narrow	27.0101Mathematics, General.	Idaho Southeastern State 1 University
25- Biological science teachers,1042 postsecondary	STEM Narrow	26.0502Microbiology, General.	Idaho Southeastern State 0 University
29- 1031 Dietitians and nutritionists	STEM Medical	51.3101Dietetics/Dietitian.	Idaho Southeastern State 32 University
29- 1051 Pharmacists	STEM Medical	51.2001Pharmacy.	Idaho Southeastern State 87 University
29- 1051 Pharmacists	STEM Medical	51.2002 Pharmacy Administration and Pharmacy Policy and Regulatory Affairs.	Idaho Southeastern State 0
NORK SESSION - PPG	Δ		TAR A Page 84

Α.	44_	_ 1	L		_		4	4
Δ.	tta	CI	n	m	Д	n	Г	7

				University	itaoiiiioiit
				Idaho	
29- Pharmacists	STEM	51.2003Pharmaceutics and Drug Design.	Southeaster		0
1051	Medical	0 0		University	
20	CTEMI			Idaho	
29- 1071 Physician assistants	STEM Medical	51.0912Physician Assistant.	Southeaster	n State	72
1071	Medical			University	
29-	STEM			Idaho	
Occupational therapists	Medical	51.2306Occupational Therapy/Therapist.	Southeaster		11
				University	
29- Physical therapists	STEM	51.2308Physical Therapy/Therapist.	Southeaster	Idaho n State	21
1123 Physical therapists	Medical	31.2300Filysical Merapy/Merapist.	Southeasten	University	21
				Idaho	
29- Respiratory therapists	STEM	51.0908Respiratory Care Therapy/Therapist.	Southeaster		16
1126 Respiratory therapists	Medical			University	
20	STEMI			Idaho	
29- 1127 Speech-language pathologists	STEM Medical	51.0203Speech-Language Pathology/Pathologist.	Southeaster	n State	42
1121	Medical			University	
29	STEM			Idaho	
Registered nurses	Medical	51.3801Registered Nursing/Registered Nurse.	Southeaster		3
				University	
29-	STEM	E4 2040Nursing Practice	Couthocator	ldaho	4.4
Registered nurses	Medical	51.3818Nursing Practice.	Southeaster	University	11
				Idaho	
29- Registered nurses	STEM	51.3801Registered Nursing/Registered Nurse.	Southeaster		0
1141	Medical	o 1.000 i 1.0giotoroa i 1arolli grittogiotoroa i 1arob.	Codinodoton	University	· ·
				Idaho	
29- Registered nurses	STEM	51.3801Registered Nursing/Registered Nurse.	Southeaster		104
1141 Trogistioned Haroos	Medical			University	
20 Madical and alinical laboratory	CTEMI	Clinical Laboratory Science/Medical		Idaho	
29- Medical and clinical laboratory2011 technologists	STEM Medical	Clinical Laboratory Science/Medical Technology/Technologist.	Southeaster	n State	2
2011 technologists	ivieulcai	recimology/recimologist.		University	
29- Medical and clinical laboratory	STEM	Clinical Laboratory Science/Medical		Idaho	
2011 technologists	Medical	51.1005 Clinical Laboratory Science/Medical Technology/Technologist.	Southeaster		33
3		3, 11, 11, 11, 11, 11, 11, 11, 11, 11, 1		University	
29-	STEM	54 0000 Desirable besides a // besides int	0	Idaho	-
Dental hygienists	Medical	51.0602Dental Hygiene/Hygienist.	Southeaster		5
				University Idaho	
29- Dental hygienists	STEM	51.0602Dental Hygiene/Hygienist.	Southeaster		25
2021 Dental hygienists	Medical	o 1.000225 mai 11ygiono/11ygioniot.	Codinodoton	University	20
				Idaho	
29- Radiologic technologists 2034	STEM	Medical Radiologic Technology/Science -	Southeaster	n State	21
2034	Medical	Radiation Therapist.		University	
29-	STEM	Medical Radiologic Technology/Science -		Idaho	
Radiologic technologists	Medical	51.0907 Radiation Therapist.	Southeaster	n State	0
				University	
29- Emergency medical technicians and	I STEM	Emergency Medical Technology/Technicial	۱	Idaho	0
2041 paramedics	Medical	51.0904 EMT Paramedic).	Southeaster	n State University	3
29- Emergency medical technicians and		51.0904 Emergency Medical Technology/Technician	n Southeasteri	n State	10
2041 paramedics	Medical	(EMT Paramedic).		University	
OO Linnard anadical and Francis	OTEMA	Linear and Depoting 10/2 and invest Name		Idaho	
29- Licensed practical and licensed	STEM	Licensed Practical/Vocational Nurse 51.3901	Southeaster	n State	0
2061 vocational nurses	Medical	Training.		University	
29- Licensed practical and licensed	STEM	Licensed Practical/Vocational Nurse		Idaho	
2061 vocational nurses	Medical	Licensed Practical/Vocational Nurse 51.3901 Training.	Southeaster	n State	36
				University	
29- Licensed practical and licensed	STEM	Practical Nursing, Vocational Nursing and	0 41 4	Idaho	
2061 vocational nurses	Medical	Nursing Assistants, Other.	Southeaster		0
				University Idaho	
29- Medical records and health	STEM	Health Information/Medical Records	Southeaster		14
2071 information technicians	Medical	Technology/Technician.	Journeastell	University	1-1
				Idaho	
29- Medical records and health	STEM	Health Information/Medical Records	Southeaster		20
2071 information technicians	Medical	Technology/Technician.		University	-
20 Madical records and health	CTEMI	Health Information/Medical Decords		Idaho	
29- Medical records and health2071 information technicians	STEM Medical	Health Information/Medical Records Technology/Technician.	Southeaster	n State	0
207 I IIIOMARON COMMONIS	Micultai	recimology/recimician.		University	
29-	STEM			Idaho	

		FEBRUARY 13, 2019	_	
				ttachment 1
9091 Athletic trainers	Medical	51.0913Athletic Training/Trainer.	Southeastern State University	3
11- Medical and health services	STEM	54 0004 Dublic Health Consul	Idaho	0
9111 managers	Other	51.2201Public Health, General.	Southeastern State University	2
AA Madaal and bankh andaa	OTEM	Haralda / Haralda Orana	Idaho	
11- Medical and health services	STEM Other	Health/Health Care 51.0701 Administration/Management.	Southeastern State	32
9111 managers	Other	Administration/Management.	University	
19- Clinical, counseling, and school	STEM		Idaho	
3031 psychologists	Other	42.2801Clinical Psychology.	Southeastern State	6
			University Idaho	
19- Clinical, counseling, and school	STEM	42.2805School Psychology.	Southeastern State	0
3031 psychologists	Other		University	
19-	STEM		Idaho	
3039 Psychologists, all other	Other	42.2806Educational Psychology.	Southeastern State	0
			University	
19-	STEM	45.0201 Anthropology.	Idaho Southeastern State	3
Anthropologists and archeologists 3091	Other	45.020 TAIRIII opology.	University	
			Idaho	
25- Political science teachers,	STEM	45.1001 Political Science and Government, General	Southeastern State	1
1065 postsecondary	Other		University	
25	STEM		Idaho	
1066 Psychology teachers, postsecondary	Other	42.2704Experimental Psychology.	Southeastern State	1
			University Idaho	
25- Health specialties teachers,	STEM	51.0202Audiology/Audiologist.	Southeastern State	4
1071 postsecondary	Other	51.0202/tudiology//tudiologist.	University	
44			Idaho	
11- General and operations managers	Non-STEM	44.0401 Public Administration.	Southeastern State	0
1021			University	
11		Business Administration and Management,	Idaho	
1021 General and operations managers	Non-STEM	52.0201 General.	Southeastern State	56
			University Idaho	
11- General and operations managers	Non-STEM	52.0101Business/Commerce, General.	Southeastern State	4
1021			University	
11		Business Administration and Management,	Idaho	
General and operations managers	Non-STEM	52.0201 General.	Southeastern State	70
.02.		33.131.41.1	University	
11- General and enerations managers	Non STEM	52.0801Finance, General.	Idaho Southeastern State	25
General and operations managers	NOTI-STEIN	52.000 Finance, General.	University	
			Idaho	
11- Education administrators,	Non-STEM	Educational Leadership and Administration,	Southeastern State	5
9033 postsecondary		General.	University	
11- Education administrators,		Educational Leadership and Administration,	Idaho	
9033 postsecondary	Non-STEM	13.0401 General.	Southeastern State	0
			University Idaho	
11- Education administrators, all other	Non-STEM	Educational Administration and	Southeastern State	15
9039 Education administrators, all other		Supervision, Other.	University	
11-			Idaho	
Managers, all other	Non-STEM	54.0101History, General.	Southeastern State	0
0.00			University	
11- Managers, all other	Non STEM	54.0105 Public/Applied History	Idaho Southeastern State	3
9199 Wanagers, all other	NOII-S I EIVI	54.0105Public/Applied History.	University	
			Idaho	
11- Managers, all other 9199	Non-STEM	54.0101History, General.	Southeastern State	12
9199			University	
13-		Autobody/Collision and Repair	Idaho	
Insurance appraisers, auto damage	Non-STEM	47.0603 Autobody/Collision and Repair Technology/Technician.	Southeastern State	0
			University Idaho	
13- 1032 Insurance appraisers, auto damage	Non-STFM	Autobody/Collision and Repair	Southeastern State	1
1032 Insurance appraisers, auto damage		Technology/Technician.	University	
12		Autobody/Callisian and Barain	Idaho	
13- 1032 Insurance appraisers, auto damage	Non-STEM	47.0603 Autobody/Collision and Repair Technology/Technician.	Southeastern State	7
. 552		roomology, roomiloidii.	University	
13-	Nor OTEN	E2 100EHuman Dansuran Danslauran	Idaho	40
1151	Malc-nons	52.1005Human Resources Development.	Southeastern State University	16
			•	
MODE SESSION DOC!	\		TA	D A Dogo 96

			·		Att	achment 1
13- 11	Training and development specialists	Non-STEM	52.1005Human Resources Development.	Southeastern		30
13-	Market research analysts and	Non-STEM	52.1401 Marketing/Marketing Management,	Southeastern	University Idaho State	28
	61 marketing specialists	Non O'LW	General.	Countractorn	University	20
13- 20 ⁻	Accountants and auditors	Non-STEM	52.0301Accounting.	Southeastern	State University	36
13- 20	Accountants and auditors	Non-STEM	52.0301Accounting.	Southeastern	Idaho State University	29
21- 10	Educational, guidance, school, and 2 vocational counselors	Non-STEM	13.1101 Counselor Education/School Counseling and Guidance Services.	Southeastern	Idaho	9
21- 10	4 Mental health counselors	Non-STEM	51.1508Mental Health Counseling/Counselor.	Southeastern	Idaho	18
23- 20	Paralegals and legal assistants	Non-STEM	22.0302Legal Assistant/Paralegal.	Southeastern	Idaho	2
23- 20 ⁻	Paralegals and legal assistants	Non-STEM	22.0302Legal Assistant/Paralegal.	Southeastern	Idaho State	7
25-	Art, drama, and music teachers, 21 postsecondary	Non-STEM	50.0501 Drama and Dramatics/Theatre Arts, General.	Southeastern	University Idaho State	1
25-	Art, drama, and music teachers,	Non-STEM	50.0701Art/Art Studies, General.	Southeastern	University Idaho State	1
25-	21 postsecondary English language and literature	Non CTEM	42 420FF askish // as aware Asta Tabahay Fakusation		University Idaho	0
	23 teachers, postsecondary	Non-STEM	13.1305English/Language Arts Teacher Education.	Southeastern	University Idaho	0
25- 112	English language and literature 23 teachers, postsecondary	Non-STEM	23.0101English Language and Literature, General.	Southeastern	State University Idaho	3
25- 20 ⁻	Preschool teachers, except special 1 education	Non-STEM	13.1210Early Childhood Education and Teaching.	Southeastern	State University	0
25- 201	Preschool teachers, except special 1 education	Non-STEM	13.1210Early Childhood Education and Teaching.	Southeastern	Idaho State University	0
25- 201	Preschool teachers, except special 1 education	Non-STEM	19.0708 Child Care and Support Services Management.	Southeastern	Idaho State University	0
25- 201	Preschool teachers, except special 1 education	Non-STEM	13.1210Early Childhood Education and Teaching.	Southeastern	Idaho State University	0
25- 201	Preschool teachers, except special 1 education	Non-STEM	19.0708 Child Care and Support Services Management.	Southeastern	Idaho	9
25- 202	Elementary school teachers, except 21 special education	Non-STEM	13.1202Elementary Education and Teaching.	Southeastern	Idaho State	1
25-	Elementary school teachers, except 21 special education	Non-STEM	13.1202Elementary Education and Teaching.	Southeastern	University Idaho State	35
25-	Elementary school teachers, except	Non-STEM	Teaching English as a Second or Foreign Language/ESL Language Instructor.	Southeastern	University Idaho State	1
202	21 special education Middle school teachers, except		Family and Consumer Sciences/Home		University Idaho	
202	22 special and career/technical education Middle school teachers, except	Non-STEM	13.1308 Economics Teacher Education.	Southeastern	University Idaho	0
202	special and career/technical education Middle school teachers, except	Non-STEM	13.1307Health Teacher Education.	Southeastern	State University Idaho	1
25- 202	special and career/technical education	Non-STEM	13.1308 Family and Consumer Sciences/Home Economics Teacher Education.	Southeastern	State University	1
25- 202	special and career/fechnical	Non-STEM	13.1328History Teacher Education.	Southeastern	Idaho State University	1
25- 203			13.1205Secondary Education and Teaching.	Southeastern		1
$\Delta I \cap$					TAD	A Daga 07

					At	tachment
	education				University	
25-	Secondary school teachers, except	Non CTEM	12.120FCacandary Education and Tacabing	Couthoostorn	Idaho	2
2031	special and career/technical education	NON-STEIN	13.1205Secondary Education and Teaching.	Southeastern	University	2
	Secondary school teachers, except				Idaho	
25-	special and career/technical	Non-STEM	50.0901Music, General.	Southeastern		3
2031	education				University	
25-	Special education teachers,		Education/Teaching of Individuals in		Idaho	
	kindergarten and elementary school	Non-STEM	13.1017 Education/Teaching of Individuals in Elementary Special Education Programs.	Southeastern	State	0
	imaginaria di		zionionary oposiai zaacanom rogiamo.		University	
25-	Adult basic and secondary education	New CTEM	13.1502Adult Literacy Tutor/Instructor.	Cauthanatana	Idaho	1
3011	and literacy teachers and instructors	INOII-S I EIVI	13.1302Addit Elleracy Tutol/Illistructor.	Southeastern	University	ı
					Idaho	
25-	Archivists	Non-STEM	30.1201Historic Preservation and Conservation.	Southeastern		0
4011					University	
25-	Farm and home management		Family and Consumer Sciences/Human		Idaho	
	advisors	Non-STEM	19.0101 Family and Consumer Sciences/Human Sciences, General.	Southeastern		0
					University	
25-	Instructional acardinators	Non CTEM	12 0F01Educational/lastructional Tachnology	Couthoostorn	Idaho	2
9031	Instructional coordinators	NON-STEW	13.0501Educational/Instructional Technology.	Southeastern	University	3
					Idaho	
25-	Instructional coordinators	Non-STEM	13.0501Educational/Instructional Technology.	Southeastern		2
9031			3,		University	
27-			Physical Education Teaching and		Idaho	
2022	Coaches and scouts	Non-STEM	13.1314 Physical Education Teaching and Coaching.	Southeastern	State	13
2022			Oddoning.		University	
27-			Sport and Fitness 31.0504 Administration/Management.		Idaho	
2022	Coaches and scouts	Non-STEM	Administration/Management.	Southeastern		0
					University Idaho	
27-	Coaches and scouts	Non-STEM	Physical Education Teaching and	Southeastern		55
2022			Coaching.		University	
07					Idaho	
27- 3031	Public relations specialists	Non-STEM	09.0100Communication, General.	Southeastern	State	3
3031					University	
27-					Idaho	
3031	Public relations specialists	Non-STEM	09.0100Communication, General.	Southeastern		15
					University Idaho	
27-	Public relations specialists	Non-STEM	09.0101Speech Communication and Rhetoric.	Southeastern		5
3031					University	
27			Rhetoric and Composition/Writing Studies,		Idaho	
3041	Editors	Non-STEM	Other.	Southeastern	State	0
3041			Outor.		University	
27-	F-19			0 11 1	Idaho	0.4
3041	Editors	Non-STEM	09.0102Mass Communication/Media Studies.	Southeastern	State University	24
					Idaho	
27-	Interpreters and translators	Non-STEM	Education/Teaching of Individuals with	Southeastern		2
3091	·		Hearing Impairments Including Deafness.		University	
27-					Idaho	
3091	Interpreters and translators	Non-STEM	16.0905Spanish Language and Literature.	Southeastern	State	0
0001					University	
27-	Internations and translaters	New CTEM	4C 0F04 Common Longuism and Literature	Cauthaaatam	Idaho	0
3091	Interpreters and translators	Non-5 I EIVI	16.0501German Language and Literature.	Southeastern	University	0
					Idaho	
27-	Interpreters and translators	Non-STEM	16.0901French Language and Literature.	Southeastern		0
3091	·		9 0		University	
27-					Idaho	
3091	Interpreters and translators	Non-STEM	16.0905Spanish Language and Literature.	Southeastern		18
					University	
27-	Interpretors and translaters	Non CTEN	Sign Language Interpretation and	Couthers	Idaho	•
3091	Interpreters and translators	Non-STEM	Translation.	Southeastern	University	6
					Idaho	
31-	Physical therapist assistants	Non-STEM	51.0806Physical Therapy Technician/Assistant.	Southeastern		0
2021	·				University	
31-					Idaho	
2021	Physical therapist assistants	Non-STEM	51.0806Physical Therapy Technician/Assistant.	Southeastern		20
					University	
31-					Idaho	

 ##2	٥h	m	^	nŧ	4

				Α	ttachment 1
9092 Medical assistants	Non-STEM	51.0801Medical/Clinical Assistant.	Southeastern	University	2
31- 9092 Medical assistants	Non-STEM	51.0801Medical/Clinical Assistant.	Southeastern	University	12
31- 9094 Medical transcriptionists	Non-STEM	51.0708Medical Transcription/Transcriptionist.	Southeastern	University	0
33- 2011 Firefighters	Non-STEM	43.0203Fire Science/Fire-fighting.	Southeastern	University	1
33- 2011 Firefighters	Non-STEM	43.0203Fire Science/Fire-fighting.	Southeastern	University	1
39- Hairdressers, hairstylists, and 5012 cosmetologists	Non-STEM	12.0401Cosmetology/Cosmetologist, General.	Southeastern	Idaho State University Idaho	18
39- 5092 Manicurists and pedicurists	Non-STEM	12.0410Nail Technician/Specialist and Manicurist.	Southeastern	State University	5
43- 9031 Desktop publishers	Non-STEM	10.0303 Prepress/Desktop Publishing and Digital Imaging Design.	Southeastern	University	0
43- 9031 Desktop publishers	Non-STEM	Prepress/Desktop Publishing and Digital Imaging Design.	Southeastern	University	0
49- Radio, cellular, and tower equipment 2021 installers and repairs	Non-STEM	47.0103 Communications Systems Installation and Repair Technology.	Southeastern	University	0
49- Aircraft mechanics and service 3011 technicians	Non-STEM	47.0608Aircraft Powerplant Technology/Technician	Southeastern	University	0
49- Aircraft mechanics and service 3011 technicians	Non-STEM	47.0607 Airframe Mechanics and Aircraft Maintenance Technology/Technician.	Southeastern	University	0
49- Aircraft mechanics and service 3011 technicians	Non-STEM	47.0608Aircraft Powerplant Technology/Technician.	Southeastern	University	3
49- Aircraft mechanics and service 3011 technicians	Non-STEM	47.0607 Airframe Mechanics and Aircraft Maintenance Technology/Technician.	Southeastern	University	3
49- Aircraft mechanics and service 3011 technicians	Non-STEM	47.0608Aircraft Powerplant Technology/Technician	Southeastern	University	3
49- Automotive service technicians and 3023 mechanics	Non-STEM	47.0604 Automobile/Automotive Mechanics Technology/Technician.	Southeastern	University	0
49- Automotive service technicians and 3023 mechanics	Non-STEM	47.0604 Automobile/Automotive Mechanics Technology/Technician.	Southeastern	University	3
49- Automotive service technicians and 3023 mechanics	Non-STEM	47.0604 Automobile/Automotive Mechanics Technology/Technician.	Southeastern	University	12
Computer numerically controlled machine tool programmers, metal and plastic	Non-STEM	48.0510 Computer Numerically Controlled (CNC) Machinist Technology/CNC Machinist.	Southeastern	University	4
Computer numerically controlled machine tool programmers, metal and plastic	Non-STEM	48.0510 Computer Numerically Controlled (CNC) Machinist Technology/CNC Machinist.	Southeastern	University	0
15- 1134 Web developers	STEM Narrow	11.0801 Web Page, Digital/Multimedia and Information Resources Design.	Eastern	College of Eastern Idaho	6
29- 2055 Surgical technologists	STEM Medical	51.0909Surgical Technology/Technologist.	Eastern	College of Eastern Idaho	12
29- Licensed practical and licensed 2061 vocational nurses	STEM Medical	51.3901 Licensed Practical/Vocational Nurse Training.	Eastern	College of Eastern Idaho	20
23- 2099 Legal support workers, all other	Non-STEM	22.0302Legal Assistant/Paralegal.	Eastern	College of Eastern Idaho	2
31- 9092 Medical assistants	Non-STEM	51.0801Medical/Clinical Assistant.	Eastern	College of Eastern Idaho	13

Attachment 1

49- Automotive service technicians and 3023 mechanics

Automotive service technicians and 3024 Automotive Mechanics 3024 Automotive Mechanics 3025 mechanics

Automotive service technicians and 347.0604 Automobile/Automotive Mechanics 347.0604 Automobile/Automobile/Automotive Mechanics 347.0604 Automobile/Automotive Mechanics 347.0604 Automobile/Automobile/Automotive Mechanics 347.0604 Automobile/Automobile

Data Sources

Source_Agency TimeSpan Source_URL 2012-2016 https://www2.census.gov/programs-Public Use Microdata Samples U.S. Census Bureau, American (PUMS) 5-Year Estimates Community Survey (ACS) surveys/acs/data/pums/2016/5-Year/csv_pid.zip Education and training Employment Projections program, U.S. assignments by detailed 2016 https://www.bls.gov/emp/data/occupational-data.htm Bureau of Labor Statistics (BLS) occupation Occupational Projections, Idaho Idaho Department of Labor (IDL) 2016-2026 https://lmi.idaho.gov/projections OR Email: Craig Shaul IPEDS Completions Survey, July 1, Awards/degrees conferred by Integrated Postsecondary Education 2016 to https://nces.ed.gov/ipeds/datacenter program (6-digit CIP code), by Data System (IPEDS) June 30, award level $\label{eq:may-2016-bttps://www.bls.gov/oes/tables.htm} \text{May 2016 https://www.bls.gov/oes/tables.htm}$ Occupational Employment Statistics (OES) Survey Typical entry-level educational Bureau of Labor Statistics, Department May 2016 https://www.bls.gov/oes/additional.htm requirement data sets, OES of Labor Bureau of Labor Statistics, Office of National Employment Matrix 10/24/2017 https://www.bls.gov/emp/data/occupational-data.htm Occupational Statistics and Occupational Coverage **Employment Projections** CIP 2010 to SOC 2010 Integrated Postsecondary Education 2010 https://nces.ed.gov/ipeds/cipcode/resources.aspx?y=55 Crosswalk Data System (IPEDS) Occupational Projections, Idaho, https://public.tableau.com/profile/idlabor#!/vizhome/OSBE_In-Idaho Department of Labor (IDL) 2016-2026 by Region DemandOccupations/In-DemandOccupations?publish=yes IPUMS USA: Steven Ruggles, Sarah 2017 American Community Flood, Ronald Goeken, Josiah Grover, https://doi.org/10.18128/D010.V8.0 Erin Meyer, Jose Pacas, and Matthew Survey 1-Year Estimates

Dictionary

ColumnName	TermName TermDefinitionSourceAgencySourceURL			
		This category best describes		
Typical_Education_Needed_For_Entr	Typical education yneeded for entry	the typical level of education that most workers need to enter the	Bureau of Labor Statistics	https://www.bls.gov/emp/documentation/nem-definitions.htm
SCHL	Educationa attainment	occupation. Respondents are classified according to the highest degree or the highest level of lschool completed. Educational attainment data are tabulated for people 18 years old and over. A classification of whether an institution is operated by publicly elected	Bureau, American Community Survey (ACS)	https://www2.census.gov/programs-surveys/acs/tech_docs/subject_definitions/2016_ACSSubjectDefinitions.pdf? #
Control_of_institution	Control of institution	or appointed officials (public control) or by privately elected or appointed officials and	Integrated Postsecondary	a https://surveys.nces.ed.gov/ipeds/VisGlossaryAll.aspx

derives its

Attachment 1

major source of funds from private sources (private control). A classification

of whether an institution's

Integrated

programs are

Level of

Postsecondary 4-year or higher Education Data https://surveys.nces.ed.gov/ipeds/VisGlossaryAll.aspx

institution (4 year), 2-butless-than 4-(IPEDS)

year (2 year), or less than 2-

vear.

Bibliography

Level_of_institution

Citation

Bureau of Labor Statistics, Department of Labor (2016). Retieved from https://www.bls.gov/oes/tables.htm Bureau of Labor Statistics, Department of Labor (2016). Retieved from https://www.bls.gov/oes/additional.htm Bureau of Labor Statistics, Office of Occupational Statistics and Employment Projections (2017). Retieved from https://www.bls.gov/emp/data/occupational-data.htm

Idaho Department of Labor (2016). Occupational Projections. Retieved from https://lmi.idaho.gov/projections.

Idaho Department of Labor (2016). Retieved from https://public.tableau.com/profile/idlabor#!/vizhome/OSBE_In-DemandOccupations/In-DemandOccupations?publish=ves

Integrated Postsecondary Education Data System (2011). Retieved from https://nces.ed.gov/ipeds/cipcode/resources.aspx?y=55

Integrated Postsecondary Education Data System (2017). Completions Survey, Awards/degrees conferred by program (6-digit CIP code), by award level. Retrieved from https://nces.ed.gov/ipeds/datacenter.

Steven Ruggles, Sarah Flood, Ronald Goeken, Josiah Grover, Erin Meyer, Jose Pacas, and Matthew Sobek. IPUMS USA: Version 8.0 [dataset]. Minneapolis, MN: IPUMS, 2018. https://doi.org/10.18128/D010.V8.0

U.S. Bureau of Labor Statistics, Employment Projections Program (2016). Education and training assignments by detailed occupation. Retrieved from https://www.bls.gov/emp/data/occupational-data.htm

U.S. Census Bureau (2016). Public Use Microdata Samples 5-Year Estimates. Retrieved from https://www2.census.gov/programssurveys/acs/data/pums/2016/5-Year/csv_pid.zip.