

HIGH DEMAND JOBS & HIGH DEMAND MAJORS

How are they determined?



2017 S.B. 117 HIGHER EDUCATION PERFORMANCE FUNDING



- (2) (a) The Department of Workforce Services shall designate, as a targeted job, a job
- 308 that:
- 309 (i) has a base employment level of at least 100 individuals;
- 310 (ii) ranks in the top 20% of jobs for outlook based on:
- 311 (A) projected number of openings; and
- 312 (B) projected rate of growth;
- 313 (iii) ranks in the top 20% of jobs for median annual wage; and
- 314 (iv) requires postsecondary training.
- 315 (b) The Department of Workforce Services shall designate targeted jobs every other
- 316 year.
- 317 (c) GOED may, after consulting with the Department of Workforce Services and
- 318 industry representatives, designate a job that has significant industry importance as a targeted
- 319 job.

HIGH DEMAND JOBS

5 Star Jobs

STAR RATING PROCESS

- The "star" rating is based on employment outlook and wages.
- Only occupations with employment of at least 100 in the base year are ranked.
- Employment outlook is based 90 percent on the projected number of total Utah job openings between 2014 and 2024 and
 - 10 percent on how fast the occupation is expected to grow over that time period.
- The most recent surveyed median annual wages or contract wages (public education jobs) are used in the wage computation.
- There may be adjustments to the ratings based on an economist's personal knowledge of the labor market.

WHAT THE RANKINGS REPRESENT

- ★★★★★ • Five-star—strongest employment outlook and high wages.
- ★★★★ • Four-star—good employment outlook and relatively high wages.
- ★★★ • Three-star—moderate to strong employment outlook and low to moderate wages.
- ★★ • Two-star—relatively high wage but a limited employment outlook.
- ★ • One-Star—relatively low wage and strong employment outlook.
- Zero-Stars—limited employment outlook and low wages.

SOC CODES

- Standard Occupational Classification (SOC) system is a [federal statistical standard](#) used by federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data.

https://www.bls.gov/soc/2018/soc_2018_user_guide.pdf



2018 SOC MAJOR GROUPS CODE TITLE

- 11-0000 Management Occupations
- 13-0000 Business and Financial Operations Occupations
- 15-0000 Computer and Mathematical Occupations
- 17-0000 Architecture and Engineering Occupations
- 19-0000 Life, Physical, and Social Science Occupations
- 21-0000 Community and Social Service Occupations
- 25-0000 Educational Instruction and Library Occupations
- 29-0000 Healthcare Practitioners and Technical Occupations

SOC CODE LEVELS OF DETAIL

- 29-0000 Healthcare Practitioners and Technical Occupations
 - 29-1000 Health Diagnosing or Treating Practitioners
 - 29-1020 Dentists
 - 29-1022 Oral and Maxillofacial Surgeons

DATA FOR CAREER EXPLORATION

<https://jobs.utah.gov/wi/data/career/>

**Search Occupational Wages
& Openings [\(WOOD Tool\)](#)**



Access data on pay, outlook
and current job openings

**Compare Wages
[Across Utah](#)**



See how occupational
wages vary throughout the
state.

TOP 20% BOTH OUTLOOK & WAGES

SOC Code	SOC Title	Base Employment	Projection Employment	Education	Projected Growth 10-Year	Projected Annual Openings	2016 Median Wage	Within Ed Level Outlook Rank	Within Ed Level Wage Rank
15-1134	Web Developers	2120	3291	Associate's degree	55.24	311	\$59,870	1	8
29-2021	Dental Hygienists	2489	3243	Associate's degree	30.29	238	\$71,070	3	4
15-1132	Software Developers, Applications	8844	14036	Bachelor's degree	58.71	1220	\$93,450	5	15
11-9199	Managers, All Other	5462	6846	Bachelor's degree	25.34	550	\$94,650	15	14
11-3031	Financial Managers	4453	5676	Bachelor's degree	27.46	498	\$99,200	18	7
29-1171	Nurse Practitioners	1542	2252	Master's degree	46.04	161	\$100,060	4	3
23-1011	Lawyers	5306	6357	professional degree	19.81	374	\$95,980	2	9
29-1051	Pharmacists	2373	2903	professional degree	22.33	180	\$119,840	4	2
29-1021	Dentists, General	1475	1939	professional degree	31.46	99	\$105,740	9	7

HIGH DEMAND DEGREES

Degrees for 5 Star Jobs

CIP CODES

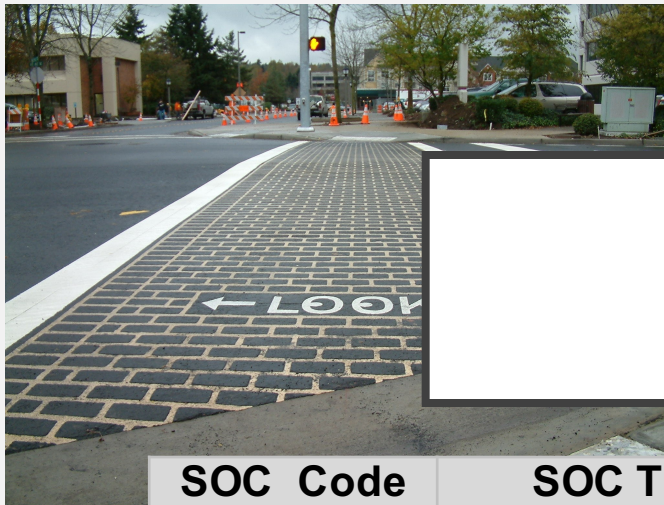
- The Classification of Instructional Programs (CIP) provides a taxonomic scheme that supports the accurate tracking and reporting of fields of study and program completions activity.

2010 CIP GENERAL CIP TITLES & CODES

- **01 AGRICULTURE, AGRICULTURE OPERATIONS, AND RELATED SCIENCES**
- **03 NATURAL RESOURCES AND CONSERVATION**
- **05 AREA, ETHNIC, CULTURAL, GENDER, AND GROUP STUDIES**
- **09 COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS**
- **10 COMMUNICATIONS TECHNOLOGIES/TECHNICIANS AND SUPPORT SERVICES**
- **11 COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES**
- **13 EDUCATION**
- **14 ENGINEERING**
- **51 HEALTH PROFESSIONS AND RELATED PROGRAMS.**
- **52 BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES**

CIP CODE LEVELS OF DETAIL

- **II COMPUTER AND INFORMATION SCIENCES AND SUPPORT SERVICES**
 - **II.08 Computer Software and Media Applications.**
 - **II.0804 Modeling, Virtual Environments and Simulation**



SOC – CIP CROSSWALK

SOC Code	SOC Title	CIP Code	CIP Title
11-1011	Chief Executives	44.0401	Public Administration.
11-1011	Chief Executives	52.0101	Business/Commerce, General.
11-1011	Chief Executives	52.0201	Business Administration and Management, General.
11-1011	Chief Executives	52.0701	Entrepreneurship/Entrepreneurial Studies.
11-1011	Chief Executives	52.0801	Finance, General.
11-1011	Chief Executives	52.1101	International Business/Trade/Commerce.
11-1011	Chief Executives	52.1301	Management Science.



CIP TO SOC CROSSWALK

CIP Title	CIP Description	SOC Code	SOC Title
52.0801	Finance, General.	11-1011	Chief Executives
52.0801	Finance, General.	11-1021	General and Operations Managers
52.0801	Finance, General.	11-3031	Financial Managers
52.0801	Finance, General.	13-2031	Budget Analysts
52.0801	Finance, General.	13-2041	Credit Analysts
52.0801	Finance, General.	13-2051	Financial Analysts
52.0801	Finance, General.	13-2052	Personal Financial Advisors
52.0801	Finance, General.	13-2072	Loan Officers
52.0801	Finance, General.	13-2099	Financial Specialists, All Other
52.0801	Finance, General.	25-1011	Business Teachers, Postsecondary

PERFORMANCE FUNDING CALCULATION

- USHE Completers by 6 digit CIP & Degree Level by Year
- Department of Workforce list of SOC Codes and Education Levels
- Match 6 Digit SOC List and Education Level provided by DWS to 6 Digit CIP Code(s) and Degree Level from USHE Data Base
 - Sum of Number of Awards granted by 6 Digit CIP Codes and Degree Level that match to any DWS identified SOC Code – (counted only once)

MARKET DEMAND RESULTS 2011-12 TO 2016-17

	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	5yr Average ¹
University of Utah	3,002	3,003	3,242	3,437	3,475	3,663	3,232
Utah State University	1,645	1,730	1,731	1,724	1,856	1,871	1,737
Weber State	1,215	1,349	1,305	1,435	1,529	1,534	1,367
Southern Utah	598	613	558	555	525	583	570
Dixie State	433	423	414	533	543	542	469
Utah Valley	1,374	1,493	1,548	1,612	1,586	1,606	1,523
Snow College	3	3	12	28	50	33	19
Salt Lake Community	103	96	120	79	80	69	96