## 2015 Hot STEM Occupations in Utah ${ }^{\dagger}$

Top 50 technical occupations related to science, technology, engineering, and mathematics ranked according to median wages*, currently high in demand, and outlook.

| Rank | SOC | Description | 2014 Base <br> Employment | Long-Term <br> Projected <br> Annual <br> Growth Rate | ```2015 Q1 HWOL Job Orders*``` | 2014 Median Wage** |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 29-1141 | Registered Nurses | 19,550 | 3.1\% | 3,084 | \$ 59,720 |
| 2 | 13-2011 | Accountants and Auditors | 9,810 | 2.8\% | 1,184 | \$ 62,320 |
| 3 | 15-1132 | Software Developers, Applications | 7,750 | 4.1\% | 1,115 | \$ 87,190 |
| 4 | 15-1134 | Web Developers | 2,000 | 3.9\% | 1,197 | \$ 53,370 |
| 5 | 15-1142 | Network and Computer Systems Administrators | 3,430 | 2.5\% | 1,060 | \$ 70,220 |
| 6 | 15-1121 | Computer Systems Analysts | 3,640 | 3.8\% | 749 | \$ 71,420 |
| 7 | 41-4011 | Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products | 4,390 | 2.4\% | 572 | \$ 77,640 |
| 8 | 13-1199 | Business Operations Specialists, All Other | 6,930 | 1.1\% | 283 | \$ 63,780 |
| 9 | 49-1011 | First-Line Supervisors of Mechanics, Installers, and Repairers | 4,550 | 1.8\% | 575 | \$ 62,370 |
| 10 | 25-1071 | Health Specialties Teachers, Postsecondary | 2,470 | 6.5\% | 113 | \$ 117,660 |
| 11 | 15-1131 | Computer Programmers | 4,060 | 2.1\% | 333 | \$ 79,720 |
| 12 | 11-9199 | Managers, All Other | 2,720 | 2.5\% | 496 | \$ 88,490 |
| 13 | 17-2112 | Industrial Engineers | 2,030 | 2.0\% | 640 | \$ 76,300 |
| 14 | 17-2051 | Civil Engineers | 3,220 | 3.6\% | 204 | \$ 74,820 |
| 15 | 15-1133 | Software Developers, Systems Software | 3,140 | 3.6\% | 132 | \$ 92,180 |
| 16 | 11-3021 | Computer and Information Systems Managers | 2,850 | 3.1\% | 205 | \$ 113,140 |
| 17 | 17-2141 | Mechanical Engineers | 3,500 | 2.2\% | 207 | \$ 76,450 |
| 18 | 29-1071 | Physician Assistants | 900 | 5.0\% | 173 | \$ 90,070 |
| 19 | 17-2031 | Biomedical Engineers | 530 | 6.7\% | 7 | \$ 80,490 |
| 20 | 29-1123 | Physical Therapists | 1,510 | 4.0\% | 166 | \$ 79,490 |
| 21 | 29-1051 | Pharmacists | 2,380 | 2.5\% | 195 | \$ 123,060 |
| 22 | 13-1051 | Cost Estimators | 2,320 | 3.3\% | 99 | \$ 59,340 |
| 23 | 11-9021 | Construction Managers | 2,040 | 2.9\% | 175 | \$ 77,580 |
| 24 | 25-1072 | Nursing Instructors and Teachers, Postsecondary | 550 | 5.5\% | 49 | \$ 70,680 |
| 25 | 29-1069 | Physicians and Surgeons, All Other | 1,600 | 2.9\% | 132 | (1) |
| 26 | 13-1041 | Compliance Officers | 2,290 | 2.0\% | 125 | \$ 56,300 |
| 27 | 15-2031 | Operations Research Analysts | 680 | 4.1\% | 111 | \$ 69,510 |
| 28 | 17-2071 | Electrical Engineers | 1,610 | 1.9\% | 220 | \$ 86,320 |
| 29 | 13-1081 | Logisticians | 1,960 | 2.4\% | 77 | \$ 71,530 |
| 30 | 15-1141 | Database Administrators | 890 | 3.0\% | 184 | \$ 81,150 |
| 31 | 19-1042 | Medical Scientists, Except Epidemiologists | 480 | 3.5\% | 188 | \$ 79,430 |
| 32 | 17-2011 | Aerospace Engineers | 910 | 2.9\% | 168 | \$ 72,170 |
| 33 | 29-1062 | Family and General Practitioners | 1,170 | 2.7\% | 110 | \$ 181,430 |
| 34 | 17-1011 | Architects, Except Landscape and Naval | 680 | 3.5\% | 54 | \$ 71,560 |
| 35 | 17-3023 | Electrical and Electronics Engineering Technicians | 1,510 | 1.2\% | 202 | \$ 58,320 |
| 36 | 25-1042 | Biological Science Teachers, Postsecondary | 620 | 3.8\% | 21 | \$ 86,780 |
| 37 | 11-9041 | Architectural and Engineering Managers | 1,450 | 2.1\% | 81 | \$ 115,100 |
| 38 | 29-1126 | Respiratory Therapists | 850 | 2.8\% | 89 | \$ 56,960 |
| 39 | 15-2041 | Statisticians | 160 | 4.2\% | 19 | \$ 73,960 |
| 40 | 25-1021 | Computer Science Teachers, Postsecondary | 660 | 3.2\% | 30 | \$ 69,640 |
| 41 | 11-3051 | Industrial Production Managers | 1,760 | 1.2\% | 71 | \$ 90,150 |
| 42 | 17-2041 | Chemical Engineers | 310 | 3.5\% | 26 | \$ 78,990 |
| 43 | 19-2031 | Chemists | 690 | 2.4\% | 73 | \$ 62,510 |
| 44 | 25-1052 | Chemistry Teachers, Postsecondary | 220 | 3.5\% | 9 | \$ 88,120 |
| 45 | 25-1022 | Mathematical Science Teachers, Postsecondary | 510 | 3.1\% | 10 | \$ 71,180 |
| 46 | 25-1032 | Engineering Teachers, Postsecondary | 430 | 2.9\% | 40 | \$ 103,240 |
| 47 | 17-2111 | Health and Safety Engineers, Except Mining Safety Engineers and Inspectors | 220 | 2.4\% | 96 | \$ 76,310 |
| 48 | 29-1131 | Veterinarians | 400 | 2.7\% | 17 | \$ 82,660 |
| 49 | 17-2081 | Environmental Engineers | 480 | 2.3\% | 49 | \$ 79,930 |
| 50 | 29-2033 | Nuclear Medicine Technologists | 130 | 3.0\% | 9 | \$ 68,130 |

$+\quad$ Preliminary-List ranking subject to change.

* Data from The Conference Board Help Wanted OnLine ${ }^{\oplus}$ (HWOL) Data Series
** A threshold minimum of $\$ 53,000$ median wage for all occupations was used to reflect above average wages for ranking purposes
(1) This wage is equal to or greater than $\$ 90.00$ per hour or $\$ 187,199$ per year.

Note: Occupational Employment Statistics data collected by The Bureau of Labor Statistics estimate Utah median annual wages to be $\$ 33,690$ and Utah mean annual wages to be $\$ 43,550$.
Source: UTC ranking based on data provided by the Utah Department of Workforce Services and The U.S. Bureau of Labor Statistics, September, 2015.

| Index Variables^ | Variable |
| :--- | :---: | :---: |
| Weights |  |

$\wedge$ Variables indexed against the average for all STEM occupations in each category. Variable weights are then applied to the corresponding index value and summed to create a composite score. Occupations are then ranked from highest to lowest composite score.

