



Pathway: Programming/Software Development

Get the Facts:

Computer Programmers create, modify, and test the code, forms and script that allow computer applications to run. They may develop and write computer programs to store, locate, and retrieve specific documents, data, and information.

Software Developers research, design, develops, and test operating systems-level software, compilers, and network distribution software for many industries. They set operational specifications and formulate and analyze software requirements.

Workforce Trends:

Employment of Computer Programmers and Software Developers is projected to GROW 17 percent from 2014 to 2024, much faster than the average for all occupations.

For both Computer Programmers and Software Developers, job prospects will be best for applicants with knowledge of the most up-to- date programming tools and who are proficient in one or more programming languages.

Programming/Software Development is:

- High demand
- Medium to High wage
- High skill

Occupation Outlook:



The Utah statewide annual median wage:



Sample Career Occupations:

- Computer Programmer
- Software Developer
- Computer Systems Analyst
- Game Programmer
- Software Engineer
- Database Manager

College and Career:

- BYU – BS Computer Science
- BYUI – BS Computer Science; BS Software Engineering; AAS Computer Programming
- USU – BS Computer Science with 4 different emphasis: Science; Digital Systems; Software Development; Bioinformatics
- WSU – BS Computer Science; AAS Computer Science; CP Programming Essentials, Game Development
- U of U – BS Computer Science; BS Computer Science Honors
- UVU – BS Computer Science; BS Software Engineering; CC Programmer
- SUU – BS Computer Science Composite
- DSU – BS Computer Science; BS Computer & Information Tech.- Software Development emphasis
- LDSBC – AAS Software Development- Software Quality Assurance emphasis
- SLCC – AS, AAS Computer Science & Information Systems; CP Computer Science Fundamentals, Software Development, Software Engineering
- SNOW – BS Software Engineering

Although ALA makes every effort to ensure the accuracy of this information, it reserves the right to make changes as may be required. Students should consult the specific college advisement center with further questions.