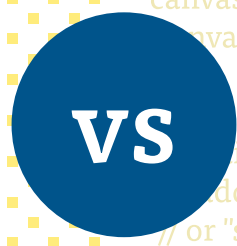


Information Technology [IT]



Computer Science [CS]

Information Technology, or IT, is the collection of careers which deal with selecting, installing, integrating, protecting, and maintaining the software and hardware which enables society, business, and the Internet as we know it. This field focuses primarily on the integration of multiple existing hardware and software systems into a single cohesive design solution to complex problems.

Computer Science is the study of computers and the algorithmic processes used by them and their software including the theory, principles, design, and applications. This field focuses primarily on the development of new software and algorithms to solve problems.

Key Skills

- Select and combine multiple technologies to solve problems
- Defend systems and networks from cyber-attacks
- Build, upgrade, and repair computers and other hardware
- Help others by quickly solving their critical technology needs
- Design, setup, and maintain the systems that run the Internet
- Work with powerful networks, servers, firewalls, and more

- Design and implement algorithms in software to solve complex social and business problems
- Write, test, and debug the code that powers the modern world from video games, to interactive websites, mobile apps, and business applications
- Express your creativity and unlock the solutions to complex problems
- Program in advanced languages such as C++, Java, HTML, JavaScript, Python, and PHP

Possible Jobs

- Computer Network Architects
- Computer Support Specialists
- Computer Systems Analysts
- Network and Computer Systems Administrators
- Computer and Information Systems Managers
- Information Security Analysts

- Computer Programmers
- Database Administrators
- Software Applications Developers
- Software Engineer
- Mobile App Developer
- Web Developers

Employment of computer and information technology occupations is projected to grow

13%

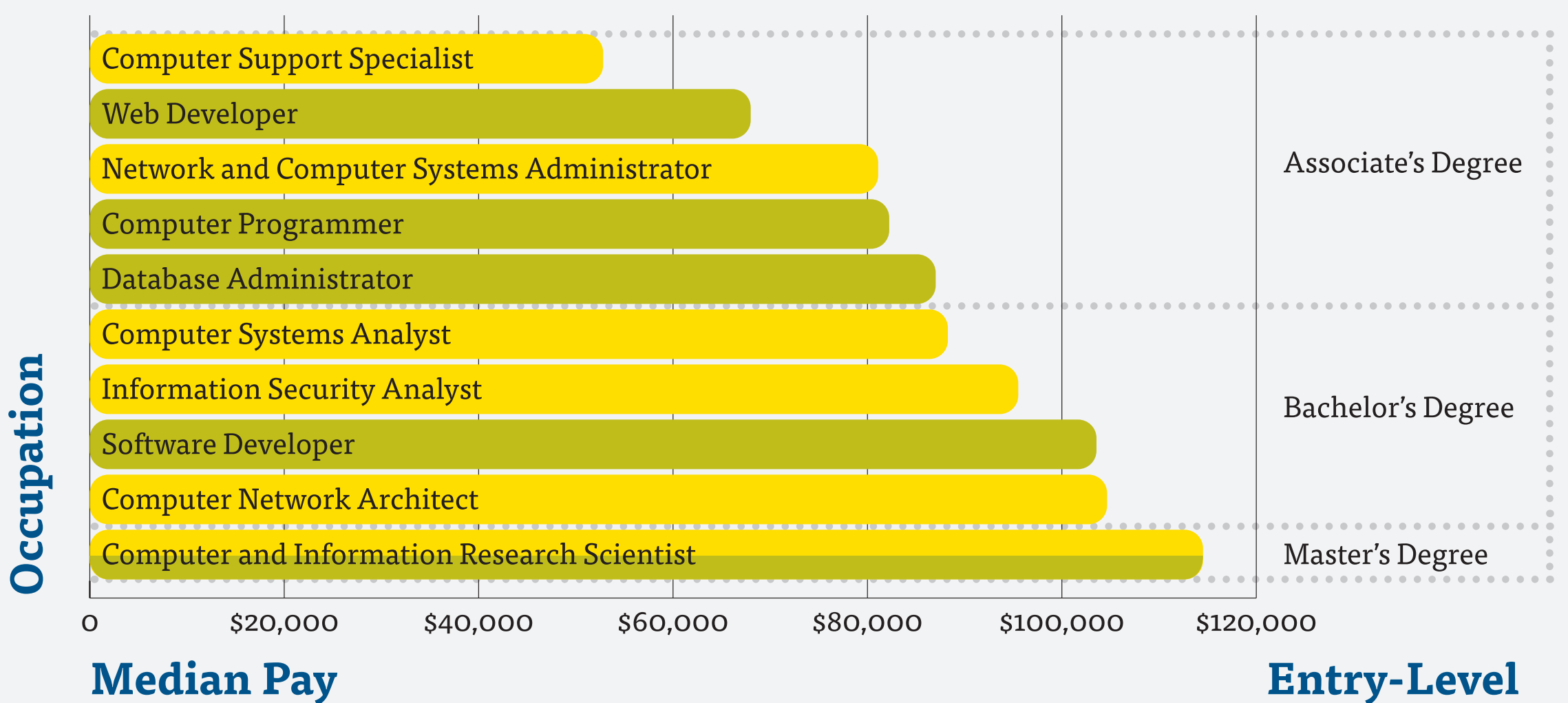
from 2016 to 2026, faster than the average for all occupations.*

These occupations are projected to add about

557,100 new jobs.

Demand for these workers will stem from greater emphasis on cloud computing, the collection and storage of big data, and information security.*

Information Technology & Computer Science Outlook*



*Data from U.S. Bureau of Labor Statistics (bls.gov), Friday, April 13, 2018.



IT Degrees

- A.A.S. in Information Technology Support – 60 credits
- A.A.S. in Network Technology and Security – 60 credits
- Many certifications are available too.

CS Degrees

- A.A.S. Computer Programmer – 60 credits
- A.S. Computer Science – 60 credits

All degrees are transferable to a 4-year Bachelors program.