

Career Opportunities

in
ICT

WHICH DEGREE IS RIGHT FOR YOU?

IT



CS



The application of computer programs and networks to solve business processes.

Professionals in this industry interact with others – whether in person, on the phone or via email – while helping solve technological problem



INFORMATION TECHNOLOGY



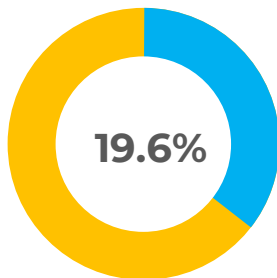
The process of creating usable computer programs and application and the theories behind those processes. Professionals in this industry do a lot of independent work writing and testing logic-based code.



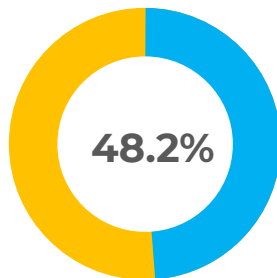
WHAT EXPERIENCE DO YOU NEED?

The majority of job position for both fields prefer candidates with 3-5 years of experience.

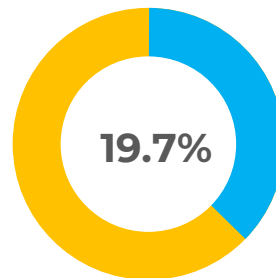
0-2 Years



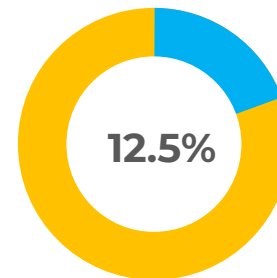
3-5 Years



6-8 Years



9+ Years



WHAT EDUCATION DO I NEED?

The majority of job posting prefer candidates to have a bachelor's degree.



JOB TITLES



Computer and Information Research Scientists

Computer and information research scientists use technology to solve complex problems in fields like business, science, and medicine. Tasks include inventing new tools and methods to improve technology, designing experiments and analyzing results, collaborating with others, and publishing findings in academic journals.



Median BLS Salary (2020): \$115,740
Job Growth (2018-2028): 19%

Computer Network Architects

Computer network architects design and build data communication networks such as local area networks, wide area networks, and Intranets. Job tasks include creating plans and layouts, discussing designs with management, and upgrading hardware and software to support existing networks.



Median BLS Salary (2020): \$120,930
Job Growth (2018-2028): 6.5%

Software Developers

Software developers create applications and systems that operate devices, control networks, and allow users to complete specific tasks. Job responsibilities include identifying customer and user needs, determining how new applications will function, and working closely with programmers and other specialists.



Median BLS Salary (2020): \$71,360
Job Growth (2018-2028): 30.7%

Information Security Analysts

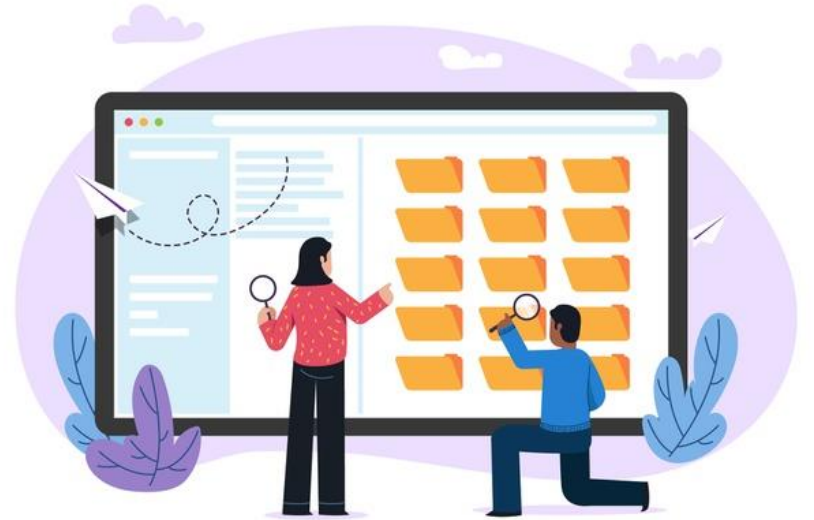
Information security involves planning and executing security measures to protect computer networks and systems from cyberattacks. Tasks include monitoring an organization's networks, investigating violations and security breaches, conducting penetration testing, and recommending enhancements.



Median BLS Salary (2020): \$71,980
Job Growth (2018-2028): 28.5%

Information Systems Managers

Computer and information systems managers plan, coordinate, and direct the computer-related activities and goals of an organization. Tasks include analyzing technology needs, assessing costs and benefits of new projects, supervising other IT professionals, and negotiating with vendors.



Median BLS Salary (2020): \$88,010
Job Growth (2018-2028): 12%

Hardware Engineers

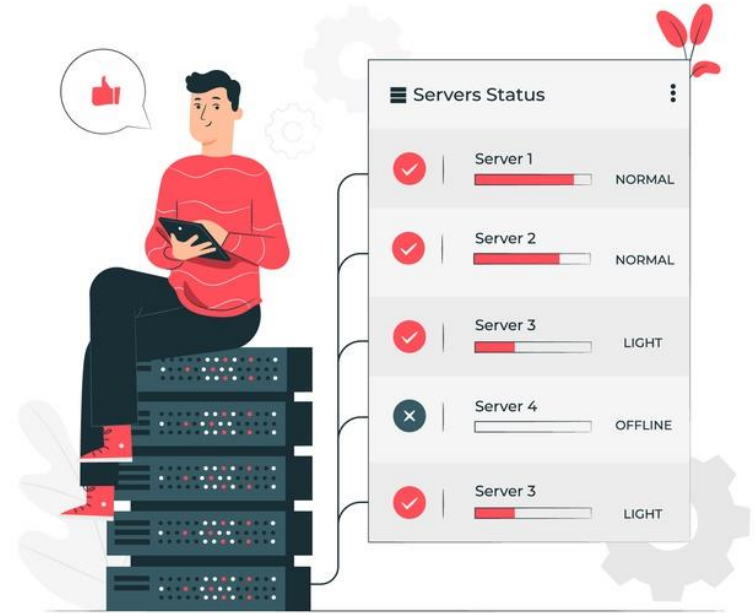
Computer hardware engineers research, develop, and test computer systems and their individual components. Tasks include creating schematics of computer equipment, modifying designs according to test results, and updating existing equipment to work with new software.



Median BLS Salary (2020): \$87,350
Job Growth (2018-2028): 5.4%

Database Administrators

Database administrators handle the storage, organization, and security of data, including financial records or customer information. Tasks include performing backups to prevent data loss, identifying user needs, and completing database maintenance tasks and updates as needed.



Median BLS Salary (2020): \$73,920
Job Growth (2018-2028): 11.5%

Operations Analysts

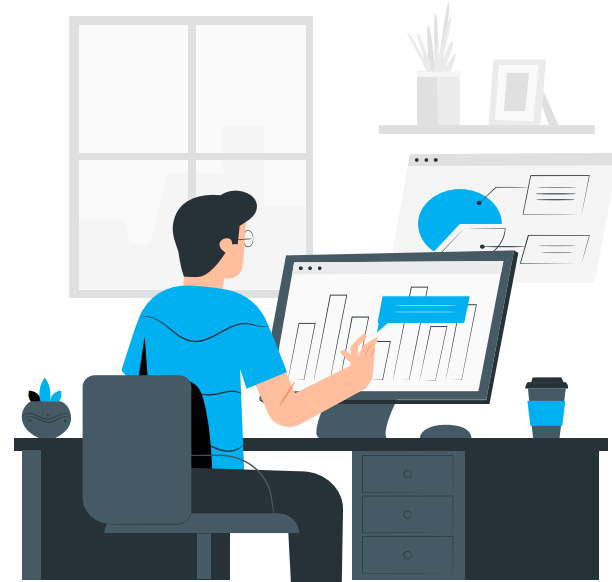
Operations analysts use advanced analytical methods to solve problems and improve performance in organizations. Tasks include collecting and organizing information and data, determining the best methods to analyze problems, and advising managers on possible solutions.



Median BLS Salary (2020): \$56,318
Job Growth (2018-2028): 27.5%

Computer Systems Analysts

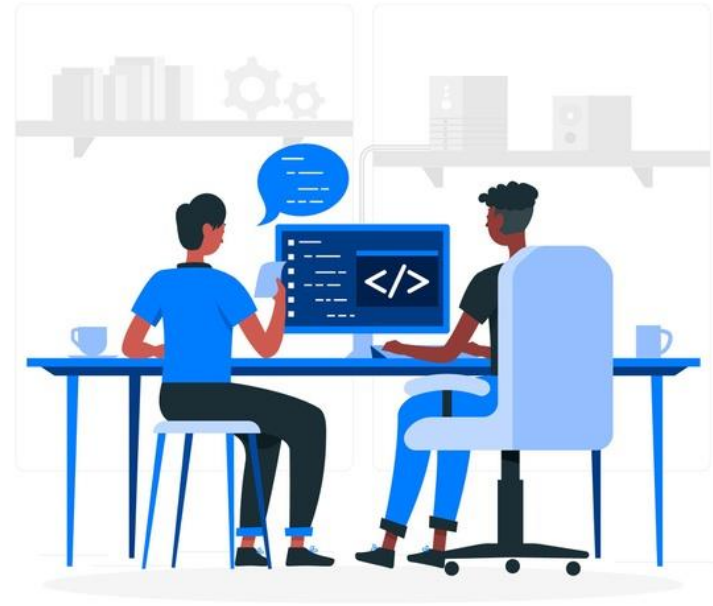
Computer systems analysts study computer systems and procedures and devise solutions to increase organizational efficiency. Tasks include consulting with managers about IT needs, analyzing costs and benefits, and designing and implementing new computer systems.



Median BLS Salary (2020): \$68,610
Job Growth (2018-2028): 9.1%

Web Developers

Web developers design and create both the technical and visual aspects of a website. Tasks include meeting with clients to discuss needs, writing code using programming languages like HTML, and integrating graphics, video, or audio into the site. Web developers may choose to specialize in front-end or back-end development.



Median BLS Salary (2020): \$59,510
Job Growth (2018-2028): 14.9%

TUROTEAM



Kezia Velasco
INSTRUCTOR 1

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