Program Advising Guidance for Computer Science and Information Technology at UoPeople

The University of the People provides both undergraduate Computer Science and graduate Information Technology credentials.

Associate's and Bachelor's Degrees in Computer Science

The Associates of Computer Science and the Bachelors of Computer Science programs (including allied certificates) provide the foundational skills that students can apply across a broad range of careers that serve a multitude of industries. Specifically, graduates are capable of:

- Applying methodologies and strategies for the effective design of computing systems.
- Applying the knowledge and skills needed to analyze problems from multiple perspectives and seek resolution through multiple methods and tools.
- Applying the skills needed for critical thinking for issues involving computer ethics, privacy, and security.

Examples of career outcomes for Computer Science graduates may include, and are not limited to:

- Computer Programmer
- Data Analyst
- Database Administrator
- Network Administrator
- Network Security Analyst
- Software Developer
- Software Engineer
- Software Quality Assurance
- Systems Analyst
- User Interface Designer
- Web Developer

Certificate programs can be undertaken by non-degree bound students or accumulated while undertaking the Bachelor of Science in Computer Science program. These are institutional awards and are not third-party industry certifications.

Master of Science in Information Technology (MSIT)

The purpose of the MSIT program is to prepare Information Technology professionals who can capably serve across a multitude of industries where skills in designing and creating optimal solutions to technical problems are required. The MSIT student can determine the focus of their studies through a selection of elective courses that provide focus areas, including networking, security, artificial intelligence, and machine learning. The MSIT program will present employers with a graduate skilled in five key areas of Information Technology, namely:

- The ability to apply the principles of computer science to the analysis of complex computing problems, covering a wide array of business and industries where technology solutions and processes are deployed.
- The skills in designing and evaluating solutions to complex computing problems using industry-recognized best practices and standards.
- An ability to perform analysis of user needs in the development and implementation of information technology solutions.
- The ability to apply ethical considerations in the development, implementation, evaluation, and management of information technology.
- A skill set capable of constructing clear, well-organized arguments supported by credible research-based evidence.

With technology playing a central role in most professional endeavors across the globe, the typical positions for MSIT credential holder are very broad. A cross section of these positions includes but is not limited to:

- Business Systems Analyst
- Chief Information Officer
- Chief Technology Officer
- Data Science and Analytics Manager
- Database Administrator
- Information Security Manager.
- Information Technology Director
- Information Technology Risk Manager
- Network Administrator
- Network Security Specialist
- Information Technology Project Manager
- Software Developer or Programmer
- Systems Architect

The MSIT degree does not provide industry certifications or licensure of any kind.