

# CIT, COMPUTER INFORMATION TECHNOLOGY FOUNDATIONS, CERTIFICATE OF TECHNOLOGY



## Information

The Information Technology Foundations Certificate of Technology is designed for students seeking a broad, versatile introduction to IT concepts and skills that are foundational to today's technology landscape. This certificate can typically be completed in two semesters, and for students who have prior industry certifications or experience in IT, it may be possible to complete the program even sooner. It is recommended that students begin with this foundational certificate before pursuing more advanced programs like the Cloud Administration or Cybersecurity Certificates of Technology, as many of the courses provide essential groundwork and apply toward other CIT certificates, associate degrees, and bachelors degrees.

The Information Technology Foundations curriculum provides students with both theoretical knowledge and hands-on technical skills necessary for entry-level roles in IT and related fields. The program emphasizes a well-rounded approach to key IT disciplines, preparing graduates for a variety of career pathways or further studies. This certificate focuses on:

- Building technical skills in hardware and software support to install, troubleshoot, and maintain computer systems and basic networks.
- Developing an understanding of operating systems and integrated software applications for practical business environments.
- Introducing students to networking, cybersecurity, and cloud computing fundamentals, providing insight into the technologies driving modern IT infrastructures.
- Equipping students with basic programming and scripting skills, fostering problem-solving abilities applicable across IT roles.

The Information Technology Foundations Certificate of Technology provides a solid stepping stone for those new to IT or seeking to expand their foundational skills. Graduates may pursue entry-level IT positions or continue into advanced certifications and degree programs to specialize in fields such as cybersecurity, network administration, or cloud computing.

The skills gained through this certificate prepare graduates for a variety of entry-level IT roles, including:

- IT Support Specialist
- Help Desk Technician
- Computer Support Technician
- Junior Network Technician
- Junior Systems Administrator

Graduates can expect to find opportunities across diverse industries that rely on IT expertise, such as education, healthcare, finance, and technology.

If your selected courses or program of study include clinical, practicum, externship, or cooperative learning components at external sites, you must meet all immunization or policy requirements outlined by the host facility. These requirements are determined by the external site's independent authority rather than by San Jacinto College. Failure to comply with these requirements can prevent you from completing your required external learning experiences and may delay graduation. Students seeking exemptions must address these directly with the external facility, as San Jacinto College does not process immunization exemptions.

By choosing the Information Technology Foundations Certificate of Technology, you take the first step toward building a successful career in IT. Whether you are exploring IT for the first time or looking to strengthen your foundational knowledge, this program offers the essential training and practical experience needed to advance in today's technology-driven job market.