

CIT, APPLICATIONS PROGRAMMING AND SUPPORT, CERTIFICATE OF TECHNOLOGY



- Identify ethical, social, and security issues related to computer programming application development.

Locations

- Central (<https://www.sanjac.edu/about/locations/central/>)
- North (<https://www.sanjac.edu/about/locations/north/>)
- South (<https://www.sanjac.edu/about/locations/south/>)
- Online (<https://www.sanjac.edu/programs/online/>)

Turn Ideas Into Technology

Do you want to know how software works? Do you want to write your own programs and apps? How would you like to design a program, write it, test it, and see it come to life? If so, San Jacinto College's Computer Information Technology (CIT) program might be the right program for you! It is designed to prepare graduates to continue to the university to complete a computer information systems or computer science degree.

Career Opportunities and Income

Visit the [sanjac.edu](https://www.sanjac.edu/programs/areas-of-study/stem/programming/) (<https://www.sanjac.edu/programs/areas-of-study/stem/programming/>) for information regarding career opportunities and potential earnings in the Greater Houston region.

Learning & Career Pathway

The learning pathway for this career track has a series of related and "stacked" certificates and degrees. You may start at any point on the pathway and earn the certificates on your way to completing the degree.

- CIT, Applications Programming and Support, Certificate of Technology (p. 1) (1.5 years)
- CIT, Applications Programming and Support, Associate of Applied Science (<https://publications.sanjac.edu/areas-study/science-technology-engineering-math/cit-applications-programming-support-aas/>) (2 years)

Career Skills and Learning Outcomes

A student completing the last award in the pathway will be able to:

- Implement a fundamental proficiency in hardware, computer networking, and/or network management.
- Collaborate with management, team members, coworkers, and/or clients to analyze and identify potential solutions to problems.
- Formulate and develop logical and efficient programming solutions based on specifications.
- Develop, test, and debug software applications to perform specific tasks appropriate for the solution.
- Implement solutions using structured, event driven, Object Oriented Programming languages or systems.