

Why Career Technical Education (CTE)?

Career Technical Education provides students with opportunities to **experience** and develop real-world skills within our education system that prepares them for success in post-secondary options.



NAVIANCE

COMPUTER PROGRAMMER INTERESTS

Investigative
Conventional
Realistic

Explore your interests through the Interest Inventory survey in Naviance.

More Info?

sanjuan.edu/collegecareerready

Contact

Department of
College & Career Readiness
7322 Sunrise Blvd.
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Computer Science: Information Technology (IT) Pathway College & Career Readiness

San Juan Unified School District
Del Campo High School



San Juan Unified
SCHOOL DISTRICT

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Computer Science: Information Technology (IT)

The Computer Science: Information Technology pathway provides students with a fundamental understanding of computer hardware and software as well as advanced concepts. Students who complete this pathway will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Students will also be able to connect to the Internet and share resources in a network environment.

Additional topics covered include laptops and portable devices, wireless connectivity and basic implementation skills, Voice over Internet Protocol (VoIP), security, safety and environmental issues, applied network configuration and troubleshooting skills, and communication skills.

This pathway prepares students for entry-level career opportunities in ICT and the CompTIA A+ certification.



Equipment & Training

- Current Technology and Computers
- Computer Lab Simulation software
- Interactive Work Environment
- Program Coding
- 3D Software and Printers



Professional Certification

- TestOut IT Fundamentals and TestOut PC Pro Certifications
- AP Computer Science Principles prepares students to take the AP exam with the potential to earn college credit



Industry Partners

- Software Engineer from Google
- Video Game Developer



Career Outlook

- Employment in ICT occupations
- Projected to grow 15 percent
 - Demand stems from cloud computing, the collection and storage of big data, and information security
 - Annual median wage is \$97,430

Computer Science:
IT Fundamentals

(Meets UC/CSU
"G" Requirement)

1

AP Computer
Science Principles

(Meets UC/CSU
"D" Requirement)

2

Computer Science:
IT Essentials

(Meets UC/CSU
"G" Requirement)

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