

# INFORMATION TECHNOLOGY

## CAREER CLUSTER

PROGRAM OF STUDY:

# INFORMATION TECHNOLOGY SUPPORT & SERVICES

Course	Credits	Class Periods	Grade	Location
Principles of Information Technology*	1.0	1	8	Junior High
<u>OR</u>	1.0	1	9-12	Home Campus
Introduction to Computer Science*	1.0	1	9-12	Home Campus
<u>OR</u>	1.0	1	9-12	Home Campus
Computer Science I*	1.0	1	9-12	Home Campus
<u>OR</u>	1.0	1	9-12	Home Campus
AP Computer Science Principles* <i>Prerequisite: Algebra I</i>	1.0	1	9-12	Home Campus
<u>OR</u>	1.0	1	9-12	Home Campus
AP Computer Science A* <i>Prerequisite: Algebra I</i> <i>Successful completion of this course awards one advanced math credit and one language other than English credit</i>	1.0	1	9-12	Home Campus
Computer Technician <i>* The Classes of 2025 and 2026 are waived from the prerequisite requirement for Computer Technician.</i>	2.0	2	11-12	MCTC



## 8664V COMPUTER TECHNICIAN

Grades: 11-12 2 Credits

Prerequisite: Principles of Information Technology or Introduction to Computer Science or Computer Science I or AP Computer Science Principles or AP Computer Science A

\*The Classes of 2025 and 2026 are waived from the prerequisite requirement for Computer Technician.

This course provides an introduction to basic computer hardware and software. Through hands-on labs, students learn how to build computer systems, troubleshoot and repair computers, printers and mobile devices, install and configure operating systems (Windows and Linux), and learn networking and security concepts.

## PROGRAM EXPERIENCES

As advancements in technology are more frequently made, the IT field is constantly expanding. Students have the opportunity to gain the most up-to-date knowledge through both classroom instruction and hands-on experience. During lab time they will have numerous projects to sharpen their IT abilities, such as disassembling and reassembling computers to learn the internal components, how they connect with cabling, and how they are installed. All the skills learned throughout this course will provide students with insight into various areas of the IT field as well as potential post-secondary job options available within the industry.



## EXPECTATIONS OF STUDENTS

- Ability to work both independently and in a group.
- Engage in labs and critical thinking.
- Ability to acquire working knowledge of computer systems and desktop support.

## CAREER POSSIBILITIES

- Computer Hardware Engineer
- Computer System Analyst
- Database Administrator
- Field Service Technician

## CERTIFICATION OPPORTUNITIES

After completion of this course, students will be prepared to take the CompTIA A+ certification exam, which is an entry level industry certification for PC computer service technicians.

