

COMPUTER TECHNICIAN

CAREER CLUSTER: INFORMATION TECHNOLOGY

STATEWIDE PROGRAM OF STUDY: INFORMATION TECHNOLOGY SUPPORT & SERVICES

| Course | Credits | Class Periods | Grade | Location |
|--|---------|---------------|-------|-------------|
| Principles of Information Technology* <u>OR</u> | 1.0 | 1 | 8 | Junior High |
| Introduction to Computer Science* <u>OR</u> | 1.0 | 1 | 9-12 | Home Campus |
| Computer Science I* <i>Prerequisite: Algebra I</i> <u>OR</u> | 1.0 | 1 | 9-12 | Home Campus |
| AP Computer Science Principles* <i>Prerequisite: Algebra I</i> <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>Prerequisite: Principles of Information Technology* or Introduction to Computer Science* or Computer Science I* or AP Computer Science Principles* or AP Computer Science A*</i> <i>* The Class of 2026 is waived from the prerequisite requirement for Computer Technician.</i> | 2.0 | 2 | 11-12 | MCTC |
| Practicum in Computer Technician <i>Prerequisite: Computer Technician</i> | 2.0 | 2 | 12 | MCTC |

CERTIFICATION OPPORTUNITIES

- CompTIA IT Fundamentals
- CompTIA A+



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 2026 is waived from the prerequisite requirement for Computer Technician.*

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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.

8688V PRACTICUM IN COMPUTER TECHNICIAN

Grade: 12 2 Credits

Prerequisite: Computer Technician

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This practicum provides students with practical, real-world experience in the field of computer technology. Building on foundational knowledge of hardware, software, and networking, students will apply their skills in diagnosing, troubleshooting, and repairing computer systems, printers, and mobile devices. The course emphasizes hands-on learning in professional environments, allowing students to install and configure operating systems, implement security measures, and perform routine maintenance under the supervision of experienced technicians. By the end of the practicum, students will gain confidence and proficiency in addressing technical challenges and supporting IT operations in diverse workplace settings.

PROGRAM EXPERIENCES

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.

CAREER POSSIBILITIES

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

EXPECTATIONS OF STUDENTS

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

