Computer Maintenance

Business and Industry Endorsement
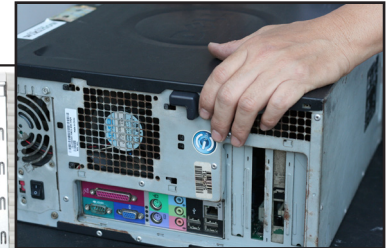
Information Technology

Career Pathways
- Computer Information Systems Manager
- Customer Service Representative
- Web Developers
- Computer Systems Analyst

Certification / Certificate Options
- A+ Certification

SkillsUSA

Program of Study Course Sequence	9th. Grade	10th. Grade	11th. Grade	12th. Grade
Computer Maintenance	**Professional Communications** (.5 credit) **and Touch System Data Entry** (.5 credit)	**Computer Maintenance** (1 Credit) *Prerequisite: None*	**Networking/ Networking Lab** (2 Credits) *Prerequisite: Computer Maintenance*	**Computer Technician Practicum** (2 credits) *Prerequisite: Computer Maintenance and Networking/Networking Lab*

Program Highlights
- Virtual Labs
- Hands on labs
- Hands on work with mobile devices, laptops, and desktops
- The ability to think outside the box

CTSO(s)
- SkillsUSA

Program Fees / Requirements
- SkillsUSA Membership $26 (Optional)
- Certification cost

Program Location
- ☑ Course(s) available at CHS
- ☑ Course(s) available at FRHS
- ☑ Course(s) available at KHS
- ☑ Course(s) available at TCHS
- ☑ Grey courses at KCAL (Only)

Texas is at the heart of the information technology revolution. Our state is home to world-class high-tech companies such as Texas Instruments, Dell, and Advanced Microsystems. Countless smaller firms create computer games, set up custom networks, service computer equipment, or develop and manage websites. In fact, every business in Texas needs IT expertise, either from in-house staff or from outside vendors. Keeping electronic data flowing takes both technical expertise and problem-solving savvy. If you are good at grasping how technology works, have an idea for a new website or computer game, or want a career that is always changing, then Information Technology may be the right cluster for you.

Technicians inspect computers so that they can diagnose a problem and find a solution. Usually, computer techs will repair or replace a damaged part, or they will update or change software. They can work as independent technicians, as a part of a business, or, most commonly, in a store that offers computer repairs. Network technicians install and maintain computer networks for both hardware and software. They monitor networks, installing software patches and reallocating resources in order to meet the needs of the network. Help desk technicians are like repair technicians, who work in call centers or designated departments. They aren't responsible for any physical repairs, but they troubleshoot software and network problems to the best of their ability. Server computer technicians install and manage servers. They must determine how many servers will be necessary, what features they will include, and what the infrastructure will look like. They also repair server errors and maintain security.

Professional Communications (TEDS: 13009900 / KISD: 1465)

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this text, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Touch System Data Entry (TEDS: 13011300 / KISD: 81403)

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents.

Computer Maintenance (TEDS: 13027300 / KISD: 82311)

Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service, and repair of computer systems. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Class is taught at the Keller Center for Advanced Learning.

Networking/Networking Lab (TEDS: 13027410 / KISD: 82322)

Students develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Class is taught at the Keller Center for Advanced Learning.

Computer Technician Practicum (TEDS: 13027500 / KISD: 82331)

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communications, and reasoning skills and apply them to the information technology environment. Class is taught at the Keller Center for Advanced Learning.

Career	High School	On the Job Training	Certificate	Associates Degree	Bachelor's Degree	Advance College Degree	Average Annual Salary	Possible Majors for this Pathway
Maintenance Technician			x	x	x		$42,184	• Industrial Maintenance Technology • Computer Engineering • Computer Maintenance • Computer Studies • Computer Maintenance Technician • Network Technician • Network Systems Admin or Analyst • Computer Science • Information Systems • Computer Programing • Electrical Engineering
System Admin/Network			x	x	x		$59,597	
Computer Programmer			x	x	x		$60,433	
General Technician	x	x	x				$35,798	
Apple Genius	x	x	x	x	x		$46,534	
Hardware Engineer					x	x	$120,478	
Software Engineer					x	x	$122,436	
Computer Support Tech	x	x	x	x			$40,408	
Geeksquad	x	x	x	x			$30,264	