Course Descriptions

**Computers, Components & the Networking of Things**

* Optional PC Pro Certification * Butte College Credit * UC A-G “G”**

This class prepares students to pass the equivalent of a CompTIA A+ certification. Throughout the year students will learn computer terms, components, troubleshooting skills and systems of the Internet of Things (IoT). This class covers computer operating system installation, diagnostics and step-by-step instruction on installation, maintenance, optimizing system performance, troubleshooting and integrating devices in their life. By the end of the semester, students also learn how to build a computer from off the shelf components.

**Cybersecurity and Networking**

*Optional Cyber Security, Networking and Linux Industry Certification *

* Butte College Credit * UC A-G “G”**

Prerequisite: Computers, Components & Networking of Things or instructor permission.

This class prepares students to excel within a computer network environment. Students learn how network operating systems from Microsoft, Apple and Linux are configured. There will be an opportunity to configure, diagnose and troubleshoot a live network laboratory. Certifications obtained from this Pathway will enable students to be immediately employed in high demand jobs of User Support Specialist. With additional certifications, come greater opportunities.

Other Opportunities

SkillsUSA: A national Student Leadership Organization that offers opportunities to compete in relevant contests in regional, state & national events and develop leadership skills

MESA: Math Engineering Science Achievement is a national organization who’s goal is to promote opportunities for non-traditional and underserved population in STEM.

SWE: The Society of Women Engineers - SWENext provides a variety of quality programs, resources, and access to engineers to empower students to prepare for engineering and technology careers.

Computer Science Club: Group of student who meet to talk about current events in computer science, teach each other relevant skills and compete in competitions

Panther Robotics: Members compete in the VEX Robotics Competition (VRC) and the Remote Aerial Drone Competition (RAD) in a unique yearly challenge.

IT Council: Student leadership opportunities within various CHS IT pathways

Note: these templates are designed to help guide students. The order of some classes may vary and individual variation can be applied.