**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.*