

ICT - Information Support and Services



CHICO HIGH SCHOOL

2019—2020

Cybersecurity and Computer Engineering Path



Course Descriptions

Computer Engineering

Students will learn the science and technology of design, construction, implementation, and maintenance of software and hardware components of modern computing systems and **computer-controlled equipment**. The Student will test for a **Certification as a PC PRO**. The Certification is from TEST OUT, a CompTIA Approved

Cybersecurity

Prerequisite: Computer Engineering

Students will learn the science and technology of design, construction, implementation, and maintenance of software and hardware components of modern computing systems and computer-controlled equipment. The Student will test for a **Certification as a PC PRO**. The Certification is from TEST OUT, a CompTIA Approved Quality Content. The course is articulated with Butte College as CSIC 49

Internship

*** Optional Certifications: Computer Repair, Computer Networking, Computer Security, and Networking and Security Industry Certification**

Prerequisite: Satisfactory completion or concurrent enrollment in cybersecurity or instructor permission.

This class provides students with the opportunity to apply their training in an **IT internship** with the Chico Unified School District. Student IT support activities will include **installing hardware and software systems, maintaining or repairing equipment, troubleshooting** a variety of computer issues, setting up computer **security measures, configuring** computer networks and offering technical support on-site or via phone or email. Students can also **intern with a local business**.



LOCAL POST-SECONDARY

OPTIONS:

Butte College

A.S. in Computer Science

CSU, Chico

B.S. in Computer Information

HIGHLIGHTED CAREERS:

- Client/Server Specialist
- Database Administrator
- Security Administrator/Officer
- Quality Assurance Specialist
- Disaster Recovery Specialist
- Application Development Specialist
- Data Warehousing Specialist
- Hardware/Software Specialist
- Network Engineering Specialist
- Computer Repair Technician

Contact:

Gary Loustale

gloustale@chicousd.or

Career and Technical
Student Organization:



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