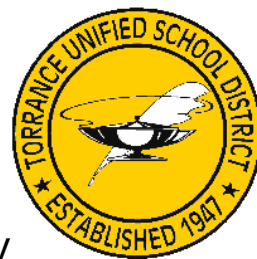




Software & Systems Development Systems Programming

Information & Communication Technologies Industry



Program Overview

The Torrance Unified School District Systems Programming Pathway provides students with the academic and technical skills needed to be successful in the field of computer science. Students will learn problem solving, creative thinking, coding, networking, internet of things, cybersecurity, personal & network security.



Course Sequence

**AP Computer
Science Principles**

**Honors PLTW
Cybersecurity**

Student Experiences

Students are involved in **real-world learning experiences** on campus and in the community.

- Student Showcase
- Industry Standard Language (Python)
- Online Defensive Strategies
- Industry Field Trips
- Membership in **CyberPatriots**, **SkillsUSA**, or **Future Business Leaders of America (FBLA)** with the opportunity to participate in regional, state, and national competitions.

College & Career Ready

Students develop **soft skills** in communication, critical thinking, teamwork, leadership, and work ethic.

Students can earn an **industry certification** in

- Exploring Computer Science
- Computer Science Principles

Opportunity to earn **college credit** through the AP exam.

Students have an opportunity to participate in an **internship** at Northrop Grumman, Raytheon, & Boeing.

Students earn **UC/CSU "D" science credit** and are prepared to enter a **degree program** in Computer Science and Computer Information Systems.

