

Electronics & Robotics



Career & Technical Education Class www.graniteschools.org/cte



Course Information

Location: Hunter High
Offered to: 10-12 grades
Registration: See your Career Coordinator
Class Times: 1-period
Length: Semester or Full Year
Credits: .50 per semester or 1.0 per full year
* Advanced science credit
available for these Electronics courses

Hunter High Electronics and Robotics Courses:

- **Electronics 1***: Entry-level electronics - Use test equipment and logic skills to troubleshoot and reverse-engineer electronics items.
- **Electronics 2***: Expand skills to digital electronics devices. Apply skills from Electronics 1, using the latest in digital touch screen devices.
- **Robotics 1**: Entry-level course - Learn how the mechanical, electronic and other systems that a robot is comprised of operate.
- **Robotics 2**: Advanced course - Integrate the robot systems knowledge from Robotics 1 through design, fabrication and programming of actual competition robots. This is a rigorous course, requiring commitment to after-school and weekend out-of-class time.
- **Residential Electronics System Integrator (RESI-Basic)**: Learn skills required to earn a RESI-Basic industry certification in smart home technology. Course covers basic electrical, audio, network, alarm, and automation wiring technology skills.

You Will:

Work with and be mentored by professional engineers while combining logic, math, and technical skills to diagnose, troubleshoot, repair, and reverse-engineer any electrical or electronic item.

Develop high-need industry skills using the latest in professional digital, test, and biomedical electronics items.

Analyze and improve the performance of robots and digital media-based systems, using the same equipment found in professional audio analysis labs.



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