

HILLSBORO HIGH SCHOOL

School District/ Location: Hillsboro, Oregon

Web Address: <http://www.hsd.k12.or.us/hilhi/>

Overview: Hillsboro High School offers an Industrial and Engineering Systems CAM (Certificate of Advanced Mastery) with these endorsement areas: Automotive Service Technology, Construction Technology/Woods, Architecture, Industrial Design/Drafting, Electronics/ Robotics at Exploratory, Foundation, and Advanced Application Levels. The Professional Technical Education Program offers articulated credits with PCC (Portland Community College). Hillsboro High also provides work experience through the Western Washington County School-to-Work Consortium run by the Hillsboro Chamber of Commerce.

Courses Offered/Program Format:

Industrial & Engineering Systems endorsements at Exploratory, Foundation, and Advanced Application:

- Automotive Service Technology
- Construction Technology/ Woods
- Architecture
- Industrial Design/ Drafting
- Electronics/ Robotics

Clubs – Auto Club meets most weeks after school; Freshman FLL robotics team; student Engineering TAs form a pseudo-club.

Size of Program: Entire High School Enrollment: 1400; approximately 30% of the students take a technology related class every day

Curriculum Used: Many of the technology education classes are articulated with PCC and offer college credit. The curriculum is driven by input from industry volunteers as well the experience of PTE certified instructors and state standards. All of the Industrial and Engineering Systems CAM instructors have PTE certificates and real world work experience.

Time Spent by Students: Classes are 70 minutes long and offered on a trimester basis. A typical class meets every day for 12 weeks. Many of the classes use team building and problem solving approaches combined with the more traditional homework. Some of the classes require students to develop portfolios which are used to verify that college credit requirements have been met.

Results to Date: Approximately 100 quarter hours of college credit is transcribed to students each year via the PAVTEC/PCC articulation process. Many students pursue advanced education via colleges, community colleges, trade schools, apprenticeships and/or the military.

Outside Funding Sources: The department scrounges intensively: fundraisers (candy sales, vinyl sign making), foundation grants, School District grants, private donations, in-kind donations, volunteer matching grants.

Other Interest Point(s): This program makes extensive use of volunteers, some of whom have been with the department for years.