

Tustin High School's T-Tech Academy of Technology and Engineering is considered to be one the best STEM programs in Orange County. The academy provides students with hands-on experiences using the most advanced tools in education and industry. T-Tech is partnered with *Project Lead The Way*, the leader in STEM curricula, and *Coastline ROP* for the best in career technical education.

Resources at Tustin High School include products from Apple, Dell, Arduino, HP, SolidWorks, VEX Robotics, Epilog Laser, PLTW, Toshiba, AirWolf3D, Stratasys, 3D Systems, Google, TorchMate, Lincoln Electric, ShopBot, and much more!



2014 T-Tech Boeing Summer Interns

T-Tech students in the 11th grade have the unique opportunity to apply for the prestigious Boeing Summer Internship. Tustin High School is proud to be one of only twelve schools in Orange County to participate in the program. The interns work for seven weeks alongside professional engineers and scientists at Boeing's campus - an opportunity of a lifetime!



Tustin High School Technology & Engineering



www.TustinEngineering.com



T-Tech, winner of the 2016 Golden Bell Award, granted by the California School Board Association.



Tustin High School was selected as one of only 15 schools in the nation to field a Lemelson-MIT InvenTeam. MIT here we come!

T-Tech Course Listing

9th Grade

Introduction to Engineering

Hands-on introduction to basic engineering and technology principles. Intro also consists of one full semester of Computer Science.

UC-Approved Elective!

10th Grade

Product Design & Engineering

2D Drafting, 3D Computer Aided Design & Modeling with SolidWorks™, 3D Printing and manufacturing using state of the art equipment.

UC-Approved Elective!

11th Grade

Principles of Engineering

Advanced science and technology academic curriculum with hands-on lab activities, robotics, computer simulations and more.

Computer Science Principles

Fast-paced introductory course in software engineering. Basics of coding, app and game development, Python, Arduino, and more.

UC-Approved Electives!

12th Grade

Engineering Design & Development

Senior Hardware Project Design Class. Project-based curriculum with emphasis on advanced engineering skills, communication and teamwork.

Computer Science A

Aligned with AP CSA Framework. Project-based curriculum with emphasis on advanced software and programming skills, communication and teamwork.

UC-Approved Electives!

Tustin High School's T-Tech Academy is a four year program where science, math and technology are brought to life. T-Tech students are enrolled in one STEM class for each year of the program, culminating with a project-based Senior Capstone course. By the end of the program, all T-Tech students will have a portfolio, resume, and a wealth of hands-on technical knowledge and expertise not available anywhere else. After all, over 85% of all new jobs in the coming years will require STEM skills!

All of T-Tech's classes are approved under the University of California's A-G requirements. So, whether you are interested in a traditional 4-year college path, technical certificate program, or simply love technology, T-Tech is for you!

T-Tech is led by Mr. Ed Hernandez, a math and engineering teacher with a degree in Electrical and Computer Engineering from UC Irvine and California's 2015 CTE Teacher of the Year. He may be contacted directly by phone at (714) 730-7414 extension x526 or via email at ehernandez@tustin.k12.ca.us

