

Intro to Engineering

9th grade

Product Design (PDE)

10th grade

Principles of Engineering (POE)

11th grade

Engineering Design (EDD) (Capstone)

12th grade



Tustin High School
T-Tech Pathway

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 *PLTW*, a leader in STEM curricula, and *Coastline ROP* for the best in career technical education.



T-Tech students in the 11th grade have the unique opportunity to apply for a number of summer internships at actual engineering companies like EON Reality, Boeing, UPS and more. Interns work 7-10 weeks in the summer alongside professional engineers and scientists - an opportunity of a lifetime!



Tustin High School
Technology & Engineering



www.TustinEngineering.com



THS 2017 Lemelson-MIT InvenTeam

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.

10th Grade

Product Design & Engineering

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

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.

12th Grade

Engineering Design & Development

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

Tustin High School's T-Tech Academy is a four-year elective program where science, math and technology are brought to life. Choosing from one of two pathways, 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!

Whether you are interested in a traditional four-year college path, community college, vocational training, or simply love technology, T-Tech is for you!

See your counselor for more details.

All T-Tech classes are UC-Approved!

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 x87526 or via email at ehernandez@tustin.k12.ca.us

