

Engineering



The Engineering Pathway is a hands-on, project-based, learn-by-doing set of courses that helps prepare students for a future in Engineering or Engineering Technology



	Pathway Course	English	Math	Social Studies	World Language	Science	PE
Year 1	Intro to Engineering Design	English 1 or English 1H	Alg 1 or Geometry	Elective	Spanish 1 or French 1 or Latin 1	Biology	PE 1
Year 2	Principles of Engineering	English 2 or English 2H	Geometry or Alg 2	World History	Spanish 2 or French 2 or Latin 2	Chemistry	PE 2
Year 3	Computer Integrated Manufacturing* (Recommended not required)	English 3 or AP English Language	Alg 2 or Pre-Calc	US History	Elective	Physics	Elective
Year 4	Engineering Design & Development	English 4 or AP English Literature	Pre-Calc or Calculus	Government and Economics	Elective	Elective	Elective

External Activities & Experiences

- FHS Engineering Club
- UCI Energy Invitational
- VEX Robotics Team
- Chevron Challenge

Possible College Majors

- Mechanical Engineering
- Civil Engineering
- Electrical Engineering
- Materials Engineering

Certifications / College Credit

- Autodesk Inventor
- CAD/CAM

Careers

- Engineering
- CAD Specialist
- Project Engineer
- Test Technician
- Design Engineer
- Product Testing

*Please see your counselor for details about Honors and Advanced Placement courses available