

Rowland Unified School District

Career Certification Program

Sequence of Courses

Engineering / Construction / Transportation

Engineering & Architecture	Building & Construction Trades	Transportation Diagnostics & Repair
Core Courses (Two are required)		
<ul style="list-style-type: none"> • Geometry* • Introduction to Engineering Design* (PLTW) • Construction Technology I • Pre-Engineering (ROP) 	<ul style="list-style-type: none"> • Geometry* • Introduction to Engineering Design* (PLTW) • Construction Technology I 	<ul style="list-style-type: none"> • Geometry* • Automotive I • Automotive II*
Area of Concentration (Two are Required in Area of Concentration)		
<ul style="list-style-type: none"> • Architecture & Design* • Advanced Architecture & Design* • Principles of Engineering (PLTW)* • Engineering & Design Tech • Engineering Design and Development (PLTW)* • Robotics (ROP) • Applied Engineering (ROP) • Special Projects/Technology 	<ul style="list-style-type: none"> • Construction Technology II • Civil Engineering and Architecture (PLTW)* • Special Projects/Technology 	<ul style="list-style-type: none"> • Automotive Technology II (ROP) 2 Yrs • Engine Performance (ROP) 2 Yrs
<p>Technology Senior Seminar* (Required Course)</p> <p>(Includes Internship, Portfolio, Resume, Interview, Project and Presentation)</p>		
Graduation and Certification		
College • Trade School • Employment		

*Career Technical Education course approved for UC Admissions

Sample Career Opportunities

Engineering & Architecture	Building & Construction Trades	Transportation Diagnostics & Repair
<ul style="list-style-type: none"> • Architect • Civil Engineer • Electrical Engineer • Environmental Engineer • Facilities Engineer • Mechanical Engineer • Plumbing Engineer • Structural Engineer 	<ul style="list-style-type: none"> • Assembler • Carpenter • Cabinetmaker • Contractor • Electrician • Estimator • Fabricator • Fitter • Plumber 	<ul style="list-style-type: none"> • Airplane Mechanic • Alignment Technician • Auto Body Repair Tech • Auto Diagnostic Tech • Automotive Machinist • Brake and Front End Tech • Lubrication Technician • Mechanic