

Rowland Unified School District Career Certification Program Sequence of Courses

Engineering/Construction/Transportation

Engineering & Architecture	Building & Construction Trades	Transportation Diagnostics & Repair
Foundation Courses		
(Two are required)	(Two are required)	(Two are required)
<ul style="list-style-type: none"> • Geometry* • Into Engineering & Design Technology* (PLTW) • Construction Technology 1 	<ul style="list-style-type: none"> • Geometry* • Into Engineering & Design Technology* (PLTW) • Construction Technology 1 	<ul style="list-style-type: none"> • Geometry* • Automotive 1 • Automotive 2*
Capstone Courses		
(Two are required)	(Two are required)	(Two are required)
<ul style="list-style-type: none"> • Architecture & Design* • Advanced Architecture* • Principles of Engineering Design (PLTW)* • Engineering Design/Development (PLTW)* • <i>Special Projects/Technology</i> 	<ul style="list-style-type: none"> • Construction Technology 2 • Civil Engineering/Architecture (PLTW)* • <i>Special Projects/Technology</i> 	<ul style="list-style-type: none"> • Automotive Technology (ROP) 2 yrs • Engine Performance (ROP) 2 yrs
<ul style="list-style-type: none"> • Technology Senior Seminar* (Required course) (Including Internship, Portfolio, Resume, Interview, Project and Presentation) 		
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