



So you want to be an Engineer???

These classes are for you.

Doherty High School Pre-Engineering Pathway			
	Principal Kevin Gardner Supervising Assistant Principal Lana Flenniken Instructors Jeff Neumeyer Floyd Aker		 Technology Student Association
Grade	Core Curriculum	Pathway Curriculum	College Course Name
9 th	Physical Science/Biology Honors (2) English 1/2 (2) Algebra 1/2 or +Geometry 1/2 H (2) PE (2) *World Language (2) World History (2)	Introduction to Engineering Design (IED)	CAD 240 Inventor 1 3 PPCC Credits ENGR 1503 Intro to Engineering Design 2 UCCS Credits
10 th	Biology/ Chemistry (2) English 3/4 (2) Geometry 1/2 or + Algebra H (2) *World Language (2) US History (2) PE (1) Health (1)	Principles of Engineering (POE)	ENGR 1502 Principles of Engineering 3 UCCS Credits
11 th	English 5/6 (2) Algebra 3/4 or +Pre-Calculus (2) Chemistry/Physics (2) Government (1) Social Studies (1) ++Elective	Civil Engineering/Architecture (CEA) or Digital Electronics (DE)	CEA CAD 224 Revit 3 PPCC Credits ENGR 1506 Civil Engr. And Architecture 3 UCCS Credits DE ELT 147 Digital Devices 1 3 PPCC Credits ENGR 1411 Digital Electronics 3 UCCS Credits
12 th	English 7/8 (2) Math Analysis/Trigonometry or +Calculus (2) *Physics/AP Science Economics (1) ++Elective	Civil Engineering/Architecture (CEA) or Digital Electronics (DE)	CEA CAD 224 Revit 3 PPCC Credits ENGR 1506 Civil Engr. And Architecture 3 UCCS Credits DE ELT 147 Digital Devices 1 3 PPCC Credits ENGR 1411 Digital Electronics 3 UCCS Credits

In the Project Lead the Way program students can earn up to 11 college credits while still in high school.

- + Preferred math sequence.
- * Two years of the same world language are required to attend a four year university in Colorado. University of Colorado requires 3 years.
- ++ Electives consist of classes from the following departments Art, Business, Family and Consumer Sciences