

College Tech Prep Curriculum Pathway (Secondary)



Name of Program: Pre-Engineering (PLTW)

Name of Secondary School/School District: Hoover High School

Consortium: Stark County College Tech Prep Consortium

Program Start Date: Fall 2005

Pre Tech Prep: 9th and 10th recommended courses

Tech Prep: 11th and 12th Grade Program

9 th Grade	Credit	10 th Grade	Credit	11 th Grade	Credit	12 th Grade	Credit
English I	1	English II	1	English III	1	English IV	1
Algebra	1	Geometry	1	Algebra II	1	Pre-Calc/Trig	1
World Studies	1	American History	1	Gov/Econ	1	Psych/Soc	1
Physical Science	1	Biology	1	Chemistry	1	Physics	1
Health Phy Ed	1	Health/Phy Ed	1	PLTW-- Principles of Engineering	2	PLTW – Biotechnical Engineering	1
Elective	1	PLTW – Intro Engineering Design	1	PLTW – Digital Electronics	1	PLTW – Engineering Design & Development	1

Recommended Prerequisites for Grade 11 of College Tech Prep:

Algebra I, Algebra II, Physical Science, Biology

Recommendations Requirements for college portion of Tech Prep:

Successful completion of high school portion of program

Explanation of Junior year Tech Prep Course/Block (by major competency areas/courses):

Sophomore – Intro Engineering Design
Junior – Principles of Engineering & Digital Electronics

College Articulation Elements: articulated credit, transcribed credit, course by-pass and/or other considerations:

Explanation of Senior Year Tech Prep Course/Block (by major competency areas/courses):

Biotechnical Engineering
Engineering Design & Development