

Hickman Mills School District

Pre-Engineering Career Plan of Study



Student Name: _____ Date: _____

Student Signature: _____ Advisor Signature: _____

Parent/Guardian Signature: _____ Current Grade: _____

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path.

	9 th Grade	10 th Grade	11 th Grade	12 th Grade	
High School	CA I / Honors CA I	CA II / Honors CA II	CA III / AP Language	CA IV / Eng. 110/204	
	Geometry / Algebra	Algebra II / Trig.	Pre-Calculus	Calculus / College Alg.	
	Physics First	Biology	Chemistry/Pre AP Chem.	AP Chemistry/Physics	
	Career Connections	World / AP European History	American/ AP Am. History	Am. Gov. /AP Am. Gov.	
	Spanish I	Spanish II	(Elective)	(Elective)	
	(Elective)	Chaos I / Chaos II	Chaos I / Chaos II	(Elective)	
STEM CLASSES	Technology Classes (9th Grade)	Technology Classes (10th Grade)	Technology Classes (11th 12th Grade)		
	<p style="text-align: center;">This may serve as one of your electives</p> <ul style="list-style-type: none"> Introduction to Engineering Design (IED) 	<p style="text-align: center;">This may serve as one of your electives</p> <ul style="list-style-type: none"> Principles of Engineering (POE) 	<p style="text-align: center;"><u>Other Options:</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> IED/POE Engineering Design & Development (EDD) Digital Electronics Civil Engineering and Architecture </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> Pre-Calculus Calculus AP Calculus </td> </tr> </table>		<ul style="list-style-type: none"> IED/POE Engineering Design & Development (EDD) Digital Electronics Civil Engineering and Architecture
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High School College Requirements	<p style="text-align: center;"><u>Current Graduation Requirements</u></p> <ul style="list-style-type: none"> 4 Units of Communication Arts 4 Units of Math 3 Units of Science 3 Units of Social Studies 0.5 Units Speech/Theatre Arts 1 Unit Fine Arts 1 Unit Practical Arts/ Pers. Finance 1 Unit Physical Education 1 Unit Health 7.5 Units Electives 18 5 Core, 7.5 Electives. = 26 Units 	<p style="text-align: center;">Division I 16 Core Courses</p> <ul style="list-style-type: none"> 4 years of English 3 years of mathematics (Algebra 1 or higher. 2 years of natural/physical science (1 year lab if offered by high school.) 1 year of additional English, Mathematics or natural/physical science. 2 years of social science 4 years of additional courses (from any area above, foreign lang. or Comparative religion/philosophy) 		<p style="text-align: center;">Division II 16 Core Courses</p> <ul style="list-style-type: none"> 3 years of English 2 years of mathematics (Alg. I or higher) 2 years of natural/physical science (1 year of lab if offered by high school) 3 years of additional English, math or natural/physical science. 2 years of social science 4 years of additional courses (from any area above, foreign lang. or comparative religion/philosophy) 	