

ADHS STEM Academy Pathways and Graduation Requirements

STEM Graduation Requirements¹	<ul style="list-style-type: none"> ● ENGLISH (4 credits): STEM English 1, STEM English 2, AP Language², AP Literature³ ● SOCIAL STUDIES (4 credits): STEM World History, AP Human Geography,⁴ AP US History⁵, Civics and Economics ● SCIENCE (3 credits): STEM Biology, STEM Chemistry⁶, AP Environmental Science⁷ ● MATH (4 credits): Math 1⁸, STEM Math 2, STEM Math 3 and an upper level math (STEM Pre-Calculus or STEM AFM) ● STEM Capstone (1 credit): Senior Year ● HEALTH/PE (1 credit): Healthful Living ● FOREIGN LANGUAGE (2 credits, same language) ● ELECTIVES (8-10 credits): See additional pathway requirements below, then add choice electives 				
Required Additional Courses for Pathways	SCIENCE	TECHNOLOGY		ENGINEERING	MATH
	<ul style="list-style-type: none"> ● AP Physics 1⁹ Plus 1 of the following: <ul style="list-style-type: none"> ● AP Physics 2 ● AP Chemistry¹⁰ ● AP Biology¹⁰ ● Forensics ● Anatomy/Physiology OR <ul style="list-style-type: none"> ● Animal Science I ● Animal Science II ● Vet Assistant 	<u>TRACK A:</u> <ul style="list-style-type: none"> ● AP Computer Science Principles¹¹ and AP Computer Science¹³ Plus 4 of the following OR 3 of the following plus 1 CTE Enhancement : <ul style="list-style-type: none"> ● Computer Engineering ● Computer Engineering II ● Network Engineering I ● Network Engineering II ● SAS Programming¹³ 	<u>TRACK B:</u> <ul style="list-style-type: none"> ● Intro to Graphic Communications ● 1 CTE Enhancement Plus: <ul style="list-style-type: none"> ● Digital Media I ● Advanced Digital Media OR <ul style="list-style-type: none"> ● Digital File Prep ● Print Advertising & Design ● Yearbook 	<ul style="list-style-type: none"> ● AP Physics 1⁹ Plus: <ul style="list-style-type: none"> ● STEM Drafting I ● Drafting II Engineering ● Drafting III Engineering ● CTE Enhancement Course OR <ul style="list-style-type: none"> ● STEM Drafting I ● Drafting II Architecture ● Drafting III Architecture ● CTE Enhancement Course 	<ul style="list-style-type: none"> ● STEM Pre-Calculus Plus 3 of the following: <ul style="list-style-type: none"> ● AP Calculus AB ● AP Calculus BC¹² ● AP Statistics ● AP Computer Science Principles¹¹ ● AP Computer Science¹³ ● SAS Programming¹³

CTE Enhancement courses for Engineering Pathway: Personal Finance, Principles of Business and Finance, MS Excel and Access,

CTE Enhancement courses for Architecture Pathway: Core and Sustainable Construction, MS Excel and Access, Marketing, Principles of Business

CTE Enhancement courses for Technology Pathway A: Personal Finance, Principles of Business, MS Excel and Access

CTE Enhancement courses for Technology Pathway B: MS Excel and Access, Personal Finance, Principles of Business and Finance, Marketing, AP Computer Science Principles¹⁴

¹ WCPSS students need 26 credits to graduate. Please refer to the [High School Program Planning Guide](#)

² or STEM English 3

³ or STEM English 4

⁴ or STEM American History 1

⁵ or STEM American History 2

⁶ there is also an option to take Physical Science first

⁷ or STEM Earth Science

⁸ This course credit may be earned prior to high school

⁹ or STEM Honors Physics

¹⁰ Taken concurrently with Honors Research Methods (for a total of 2 credits), Honors chemistry is a prerequisite course

¹¹ Math 3 is a prerequisite course

¹² AP Calculus AB is a prerequisite course

¹³ AP Computer Science Principles is a prerequisite course

¹⁴ Math 3 is a prerequisite course