

**Career Pathways**

At Horizon Science Academy, students are offered a large variety of career pathways. Although completion of a career pathway is not a graduation requirement, students are highly encouraged to complete a pathway related to their interested field of study in college in order to attain the foundational skills and build a strong college application. Students can sign up for a career pathway at the end of their freshman year. In order to complete a career pathway, students must take two required and two elective courses.

<b>Public Service</b>			
	<b>Education</b>	<b>Law &amp; Legal Affairs</b>	<b>Social Service</b>
<b>Required Courses</b>	AP English Language and Composition or AP English Literature and Composition or another AP course	AP English Language and Composition or AP English Literature and Composition	AP English Language and Composition or AP English Literature and Composition or another AP course
	Introduction to Teaching	Business Law	TBD
<b>Elective Courses</b>	Elementary Literacy	Constitutional Law	Psychology
	Elementary Mathematics	Criminal Law	AP Psychology
	School Social Work – Peer Counseling	International Law	Journalism
	Introduction to Teaching ELL	Speech and Debate	Speech and Debate
	Principles of Special Education		School Social Work – Peer Counseling
	Teaching Practicum		
	Introduction to Teaching Technology		

<b>Liberal Arts</b>					
<b>Business Management and Finance</b>		<b>Visual Arts</b>	<b>Performing Arts</b>	<b>Journalism</b>	
<b>Required Courses</b>	AP Calculus or AP English Language and Composition or AP English Literature and Composition	AP Studio Art : 2D Design or AP Studio Art : 3D Design	AP Music Theory	AP English Language and Composition or AP English Literature and Composition	
	Entrepreneurship I	Art I	Beginning Band	Journalism and Media Studies	
<b>Elective Courses</b>	Entrepreneurship II	Graphic Design and Illustration	Concert Band	Newspaper	
	Business Law	Digital Photography	Wind Ensemble	Advertising, Marketing and Business Communications	
	Advertising, Marketing and Business Communications	Ceramics and Interior Design		Feature Writing Seminar	
	Speech and Debate	Drawing		Speech and Debate	
	Microsoft Office Specialist Course			Microsoft Office Specialist Course	

<b>STEM</b>			
	<b>Computer Science</b>	<b>Engineering</b>	<b>Biomedical Science</b>
<b>Required Courses</b>	AP Computer Science Principles	PLTW - Introduction to Engineering Design	PLTW - Human Body Systems
	PLTW - Computer Science Essentials	PLTW - Principles of Engineering	AP Biology
		AP Mathematics, Science, or Computer Science Course	
<b>Elective Courses</b>	AP Computer Science A	Robotics I or II	AP Chemistry
	Artificial Intelligence	PLTW - Aerospace Engineering	AP Physics I
	Robotics I or II	PLTW - Environmental Sustainability	PLTW – Introduction to Biomedical Science
		PLTW – Engineering Design and Development	PLTW – Medical Interventions
		Leadership in Technology I or II	