

Engineering Program of Study

NeoCity Academy



Engineering Defined: The engineer of tomorrow will need to possess strong leadership characteristics, ingenuity, and adaptability as well as technical proficiency. Our program is focused on building students up through a curriculum designed around real-world problem solving and design thinking.

Grade	Mathematics		Science	English	Arts	Engineering	Elective	Virtual Option
Summer Zero	Geometry Honors *		Biology Honors *					Physical Education/ HOPE **
09	Most Rigorous	More Rigorous	Chemistry Honors	English 1 Honors	Digital Multimedia Foundations 1	Applied Engineering Technology 1	Foreign Language 1	
	Alg 2 Honors	Geometry Honors						
10	Pre-Calc Honors	Alg 2 Honors	AP Physics 1	English 2 Honors	Social Studies	Applied Engineering Technology 2	Foreign Language 2	
					AP World History			
11	AP Calculus BC	Pre-Calc Honors	AP Physics 2	AP English Language	AP United States History	Applied Engineering Technology 3	AP Research	
12	Calculus 3 via UCF	AP Calculus AB	AP Chemistry	AP English Literature	US Government Honors + Economics Honors	Advanced Technology Applications	AP Seminar	

* Coursework may be required for those students who wish to complete the most rigorous sequencing available.

** Can be take any time in the first two years; however, we recommend completion during Summer Zero.