

# 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
<b>Summer Zero</b>	Geometry Honors *		Biology Honors *						Physical Education/ HOPE **
<b>09</b>	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							
<b>10</b>	Pre-Calc Honors	Alg 2 Honors	Most Rigorous	More Rigorous	English 2 Honors	<b>Social Studies</b>	Applied Engineering Technology 2	Foreign Language 2	
			AP Physics 1	Physics 1 Honors		AP World History			
<b>11</b>	Calc 1 Honors -or- AP Calculus BC	Pre-Calc Honors	AP Chem	AP Physics 1	AP English Language	AP United States History	Applied Engineering Technology 3	AP Seminar	
<b>12</b>	DE Math Course †	Calc 1 Honors -or- AP Calculus BC	AP Physics C	AP Physics C	AP English Literature	US Government Honors + Economics Honors	Advanced Technology Applications	AP Research	

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

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

† Course may be replaced with Dual Enrollment coursework via the University of Florida.