

# BioDesign Program of Study

## NeoCity Academy



**BioDesign Defined:** Our BioDesign Program is driven by the need to integrate cutting edge technologies into the healthcare industries. Students in BioDesign will engage in a curriculum designed to stretch their thinking and through collaborative problem-solving will be ready to enter a post-secondary program in any healthcare related field.

Grade	Mathematics		Science	English	Arts	BioDesign	Elective	Virtual Option
<b>Summer Zero</b>	Geometry Honors *		Biology 1 Honors *					Physical Education/ HOPE **
<b>09</b>	Most Rigorous	More Rigorous	Chemistry 1 Honors	English 1 Honors	Digital Multimedia Foundations 1	Anatomy + Physiology Honors	Foreign Language 1	
	Alg 2 Honors	Geometry Honors						
<b>10</b>	Pre-Calc Honors	Alg 2 Honors	AP Biology	English 2 Honors	<b>Social Studies</b>	Principles of Biomedical Science	Foreign Language 2	
					AP World History			
<b>11</b>	Calc 1 Honors -or- AP Calculus BC	Pre-Calc Honors	AP Chemistry	AP English Language	AP United States History	Medical Interventions	AP Seminar	
<b>12</b>	DE Math Course †	Calc 1 Honors -or- AP Calculus BC	Genetics 1 Honors †	AP English Literature	US Government Honors + Economics Honors	Biomedical Innovation	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.