

NEXTGEN INNOVATION ACADEMY (EARLY COLLEGE AND REGULAR HIGH SCHOOL COURSE LIST)**Associate's Degree in Science (Recommended for majors in Engineering, Health Sciences, Computing, and Math)**

Semester/Grade Level	HCC Dual Credit Course #	Regular Course list	High School Credit	HCC Credit Hours
Fall/Grade 9		AVID	0.5	0
Fall/Grade 9		Pre-AP Algebra I or Pre-AP Geometry/Algebra or Geometry	0.5	0
Fall/Grade 9		Pre-AP English I /English I	0.5	0
Fall/Grade 9		Pre-AP World Geography/ World Geography	0.5	0
Fall/Grade 9		Pre-AP Biology/ Biology	0.5	0
Fall/Grade 9		Spanish I or French I (or elective if Spanish/French I and II are complete)	0.5	0
Fall/Grade 9		*Principles of Bioscience/Biotechnology 1	0.5	0
Spring/Grade 9		AVID	0.5	0
Spring/Grade 9		Pre-AP Algebra 1 or Pre-AP Geometry/Algebra or Geometry	0.5	0
Spring/Grade 9		Pre-AP English/English I	0.5	0
Spring/Grade 9		Pre-AP World Geography/ World Geography	0.5	0
Spring/Grade 9		Pre-AP Biology/ Biology	0.5	0
Spring/Grade 9		Spanish I or French I (or elective if Spanish/French I and II are complete)	0.5	0
Spring/Grade 9		*Principles of Bioscience/Biotechnology 1	0.5	0
Fall/Grade 10	SPCH 1311	Speech	0.5	3
Fall/Grade 10		Pre-AP Geometry or Pre-AP Algebra II /Geometry or Algebra II	0.5	0
Fall/Grade 10		Pre-AP English II/English II	0.5	0
Fall/Grade 10		AP World History A/World History	0.5	0

Fall/Grade 10		Pre-AP Chemistry /Chemistry	0.5	0
Fall/Grade 10		Spanish II or French II (or elective if Spanish/French I and II are complete)	0.5	0
Fall/Grade 10		*Biotechnology I/Biotechnology II	0.5	0
Spring/Grade 10	EDUC 1300	Learning Framework	0.5	3
Spring/Grade 10		Pre-AP Geometry or Pre-AP Algebra II/Geometry or Algebra	0.5	0
Spring/Grade 10		Pre-AP English II/English II	0.5	0
Spring/Grade 10		AP World History /World History	0.5	0
Spring/Grade 10		Pre-AP Chemistry /Chemistry	0.5	0
Spring/Grade 10		Spanish II or French II (or elective if Spanish/French I and II are complete)	0.5	0
Spring/Grade 10		*Biotechnology I/Biotechnology II	0.5	0
Fall/Grade 11	Acting 1	Fine Arts Elective	0.5	3
Fall/Grade 11	MTH 1314/MTH 1325	Pre AP Algebra II or Pre AP Pre Calculus /Algebra II OR Pre Calculus	0.5	3
Fall/Grade 11		AP English Language and Composition/English III	0.5	0
Fall/Grade 11	HIST 1301	AP US History/US History	0.5	3
Fall/Grade 11		Pre AP Physics or AP Chemistry/Physics or Chemistry	0.5	0
Fall/Grade 11		PE	0.5	0
Fall/Grade 11		*Biotechnology II /Practicum in STEM	0.5	3
Spring/Grade 11		Fine Arts Elective	0.5	0
Spring/Grade 11	MTH 1314/MTH 1325	Pre AP Algebra II/Pre Calculus	0.5	3

Spring/Grade 11		AP English Language & Composition /English III	0.5	0
Spring/Grade 11	HIST 1302	AP US History/US History	0.5	3
Spring/Grade 11		Pre AP Physics or AP Chemistry/Physics or Chemistry	0.5	0
Spring/Grade 11		PE	0.5	0
Spring/Grade 11		*Biotechnology II /Practicum in STEM	0.5	3
Fall/Grade 12	PSYCH 2301	AP Psychology /Psychology	0.5	3
Fall/Grade 12	MATH 1316	AP Calculus AB/ Calculus	0.5	3
Fall/Grade 12	ENGL 1301	AP English Literature/ English IV	0.5	3
Fall/Grade 12	GOVT 2305	AP US Government/US Government	0.5	3
Fall/Grade 12	BIOL 2301	AP Biology or AP Physics or Anatomy & Physiology	0.5	0
Fall/Grade 12		Health	0.5	0
Fall/Grade 12		*Practicum in STEM/Scientific Research & Design	0.5	3
Spring/Grade 12	SOCI 1301	Sociology	0.5	3
Spring/Grade 12		AP Calculus BC/Calculus	0.5	0
Spring/Grade 12	ENGL 1302	AP English Literature/English IV	0.5	3
Spring/Grade 12	ECON 2301	Economics	0.5	3
Spring/Grade 12	BIOL 1406	AP Biology/ AP Physics	0.5	4
Spring/Grade 12	GOVT 2306	Texas Government	0.5	3
Spring/Grade 12		*Practicum in STEM/Scientific Research & Design	0.5	3
Total Credit Hours			28	61