CCSD CAREER PATHWAYS

Advanced Academics: Science

	9th Grade Courses	10th Grade Courses	11th Grade Courses	12th Grade Courses
English	9th Grade Literature/Composition	10th Grade Literature/Composition	American Literature/Composition or AP English or Dual Enrollment	British Literature/Composition or AP English or Dual Enrollment
Math	Coordinate Algebra or Accelerated Coordinate Algebra/Analytic GeometryA	Analytic Geometry or Accelerated Analytic GeometryB/Advanced Algebra	Advanced Algebra or Pre-Calculus or AP Math or Dual Enrollment	Advanced Mathematical Decision Making or Pre-Calculus or AP or Dual Enrollment
Science	Biology*	Chemistry or Physics or Environmental Science or Earth Systems*	Chemistry or Physics or AP Science or Dual Enrollment*	Fourth Science Course or AP Science or Dual Enrollment*
Social Studies	Government or AP Government	World History or AP World History	US History or AP History or Dual Enrollment	Economics or AP Economics or Dual Enrollment
Other Required Courses/ Recommended Electives (Based on Pathway)	Health and Personal Fitness Foreign Language	Foreign Language	Foreign Language	Foreign Language
Required Pathway Courses		Science Elective*	Science Elective*	Science Elective*
Other Possible Electives	Math Support, Fine Arts, GA Virtual	Math Support, Fine Arts, GA Virtual	Math Support, Fine Arts, GA Virtual, AP, Dual Enrollment, Career-Based Learning	Fine Arts, GA Virtual, AP, Dual Enrollment, Career-Based Learning

Sample Occupations Related to This Pathway

- Research Scientists
- Soil and Plant Scientists
- Environmental Scientists
- Life Scientists
- Animal Scientists
- Medical Scientists
- Teachers
- Technical Writers
- Geneticists
- Bioinformatics Technicians

**In order to complete this pathway, one of the courses must be taken at the Advanced Placement (AP), International Baccalaureate (IB) or dual enrollment level.*

Scientists perform complex calculations and express observations and conclusions in mathematical models. In addition, they analyze data from research, write papers for scientific journals or present information at scientific conferences and collaborate with other scientists. Most occupations in this area will require at least a 4-year degree and the salary will vary depending on demand and level of education required. Secondary students who enjoy discovery and problem solving should strongly consider completing career-related coursework in Biotechnology and Engineering. Please visit gacollege411.com for more information about education, career planning and financial aid.

Please note that this is intended as a guide and is not exhaustive.