

Course	Prerequisite Courses	Pages of reading per class.	Average number of hours per week outside of class	How many major Tests/ Essays/ Papers per quarter	Any other major projects or other important information	Is there a summer assignment?
AP Biology	Biology I	8 - 10	8 - 12	3 - 5 per quarter, one every 2 - 3 weeks	None	Yes
AP Chemistry	Chemistry 1	6 - 10 of prereading	4 - 5	4, once every two weeks on average	Final exam around AP Exam, 4th quarter projects	No
AP Physics C (Mech + E&M)	BC Calculus (can be coreq), Chem 1(pre-req)	15 - 20	8 hours on average	2 - 3	Two or more formal lab reports per year, requiring 10+ hours each.	Yes
Artificial Intelligence I & II	AP Computer Science and Data Structures	0 - 5	0 - 10	4 - 8 (1 - 2 every two weeks)	None	No
DNA Science I	AP Biology strongly recommended	average of 10 - 15, but may widely vary from week to week	Average of 3-4 hours per week, but may widely vary from week to week	average of 3 - 4 tests/quarter plus the final exam	A group book report and a class experimental research project	No

Electrodynamics	Multivariable Calculus, Linear Algebra (co-reqs), AP Physics C (pre-req)	8 - 12 from text in addition to reviewing course notes	6 - 10	Chapter Tests: 4 - 5 per quarter	One project per semester	Yes
Mobile Application Design	AP Computer Science	1 hour per week	6	1 - 2	6 - 8 labs per quarter. 1 major project per semester.	No
Neurobiology	AP Biology,	12 of primary, secondary and review scientific articles	6 - 8	Daily quizzes, 1 research proposal, 1 reading skills test, 1 lab presentation	The research proposal may be used as preliminary work toward a Neuroscience Senior Research project	No
Organic Chemistry	AP Chemistry	25	4 - 6	One of each per quarter	Two major projects. Nomenclature and Spectroscopy Exam counts as 20% of course grade, given about 2/3 way through course.	No
Parallel Computing I & II	AP Computer Science and Data Structures	0 - 2	0 - 5	4 - 8 (1-2 every two weeks)	None	No
Web Application Design	AP Computer Science	1 hour per week	8	1 - 2	6 - 8 labs per quarter. 1 major project per semester.	No