

AP BIOLOGY, AP CHEMISTRY & AP ENVIRONMENTAL SCIENCE

	<b>AP Biology</b>	<b>AP Chemistry</b>	<b>AP Environmental Science</b>
Comparison to College	<ul style="list-style-type: none"> <li>• 2 semesters with lab</li> <li>• 3-4.5 hrs/wk vs. 6 hrs/wk in college</li> </ul>	<ul style="list-style-type: none"> <li>• 2 semesters with lab</li> <li>• 3-4.5 hrs/wk vs. 6 hrs/wk in college</li> </ul>	<ul style="list-style-type: none"> <li>• 1 semester with lab</li> <li>• 3-4.5 hrs/wk vs. 6 hrs/wk in college</li> </ul>
Time Commitment Outside Class	<ul style="list-style-type: none"> <li>• 1 hour per class</li> </ul>	<ul style="list-style-type: none"> <li>• 1 hour per class</li> </ul>	<ul style="list-style-type: none"> <li>• 30 minutes per class</li> </ul>
Common Types of Assignments	<ul style="list-style-type: none"> <li>• Reading (~25 pages per chapter; ~1 chapter per class)</li> <li>• Labs (~3-4 per quarter)</li> <li>• FRQ (~3 per quarter)</li> </ul>	<ul style="list-style-type: none"> <li>• Reading as needed</li> <li>• Problem sets every class</li> <li>• Lab reports (~3-4 per quarter)</li> </ul>	<ul style="list-style-type: none"> <li>• Reading (~25 pages per chapter; ~1 chapter per week)</li> <li>• FRQ (~3 per quarter)</li> </ul>
Projects	<ul style="list-style-type: none"> <li>• Final Project</li> </ul>	<ul style="list-style-type: none"> <li>• None</li> </ul>	<ul style="list-style-type: none"> <li>• 1-2 after AP Exam</li> </ul>
Lab Reports	<ul style="list-style-type: none"> <li>• Formal and informal reports</li> <li>• Collaboration with lab team</li> <li>• Statistical analysis (Excel)</li> <li>• ~1-2 hours outside class per lab</li> </ul>	<ul style="list-style-type: none"> <li>• Formal and informal reports</li> <li>• Lab notebook</li> <li>• Collaboration with lab team</li> <li>• ~1-2 hours outside class per lab</li> </ul>	<ul style="list-style-type: none"> <li>• Informal reports</li> <li>• Collaboration with lab team</li> </ul>
Tests/Quizzes	<ul style="list-style-type: none"> <li>• ~2 quizzes per quarter (generally multiple choice)</li> <li>• 2-3 tests per quarter (multiple choice &amp; FRQ)</li> </ul>	<ul style="list-style-type: none"> <li>• several quizzes per quarter, mostly unannounced and based on homework</li> <li>• 2-3 tests per quarter (multiple choice &amp; FRQ)</li> </ul>	<ul style="list-style-type: none"> <li>• 2-3 quizzes per quarter (multiple choice and short answer)</li> <li>• 1 test per quarter (multiple choice &amp; FRQ)</li> </ul>
Academic Skills Needed	<ul style="list-style-type: none"> <li>• Strong reading/writing skills</li> <li>• Strong analytical skills</li> <li>• Ability to integrate concepts</li> <li>• Solid grasp of basic chemistry</li> <li>• Basic knowledge of statistics helpful</li> </ul>	<ul style="list-style-type: none"> <li>• Strong problem-solving skills</li> <li>• Strong analytical skills</li> <li>• Ability to integrate concepts</li> <li>• Solid grasp of basic chemistry</li> <li>• Advanced math helpful</li> </ul>	<ul style="list-style-type: none"> <li>• Strong reading/writing skills</li> <li>• Strong analytical skills</li> <li>• Ability to integrate concepts</li> <li>• Good grasp of basic math and science</li> </ul>
Personal Skills Needed	<ul style="list-style-type: none"> <li>• Independence</li> <li>• Resiliency to setbacks</li> <li>• Time management &amp; ability to juggle multiple assignments</li> <li>• Regular attendance</li> <li>• Ability to work in groups</li> </ul>	<ul style="list-style-type: none"> <li>• Independence</li> <li>• Resiliency to setbacks</li> <li>• Time management &amp; ability to juggle multiple assignments</li> <li>• Regular attendance</li> <li>• Ability to work in groups</li> </ul>	<ul style="list-style-type: none"> <li>• Independence</li> <li>• Resiliency to setbacks</li> <li>• Time management &amp; ability to juggle multiple assignments</li> <li>• Regular attendance</li> <li>• Ability to work in groups</li> </ul>

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AP SCIENCE CLASSES COMPARISON

AP Course	College Equivalents				Prerequisites	Corequisites
	1 semester (no lab)	2 semesters (no lab)	1 semester (with lab)	2 semesters (with lab)		
Biology				X	Bio, Chem	None
Chemistry				X	Bio, Chem	None
Environmental Science	X				Bio, Chem	None
Physics I (algebra based)			X		Bio, Chem	Precalculus
Physics II (algebra based)			X		Bio, Chem, Physics I	Precalculus
Physics C (calculus based)			X		Bio, Chem, Physics I	Calculus