



## QUICK REFERENCE GUIDE HHS Science Placement

### College Prep Courses

Requested Science Course	Grades	Science Requirements		Math Requirements
		Prerequisite Course Completion (or Approved Option 2 Equivalent)	Additional Requirements	Prerequisite Course Completion or Co-Requsite Course Placement
Environmental Science CP	9-12	-	-	Algebra I CP placement
Biology CP	9-12	-	-	Geometry CP placement
Geophysical CP	10-12	Biology CP completion	-	Algebra II CP placement
Chemistry CP	10-12	Biology CP completion	-	Algebra II CP placement
Physics CP	10-12	Chemistry CP or Geophysical CP completion	-	Pre-Calculus CP placement - or - Algebra III/Trig CP with proficiency in solving algebraic equations required

## Honors Courses

<b>Requested Science Course</b>	<b>Grades</b>	<b>Science Requirements</b>		<b>Math Requirements</b>
		<b>Prerequisite Course Completion (or Approved Option 2 Equivalent)</b>	<b>Additional Requirements</b>	<b>Prerequisite Course Completion or Co-Requisite Course Placement</b>
Environmental Science H	9-12	-	Teacher recommendation	Geometry CP placement
Biology H	9-12	-	Teacher recommendation	Geometry H placement
Chemistry H	9-12	Biology H completion with a minimum course grade of 80% - or - Biology CP completion with a minimum course grade of 95%	Teacher recommendation	Algebra II H placement - or - AP Pre-Calculus placement - or - Geometry H completion with a minimum course grade of 80% - or - Geometry CP completion with a minimum course grade of 95% -or- Algebra II CP Completion with a minimum course grade of 90%

Physics H	10-12	Chemistry H completion with a minimum course grade of 80% - or - Chemistry CP completion with a minimum course grade of 95%	Teacher recommendation	AP Pre-Calculus placement - or - Pre-Calculus CP completion with a minimum course grade of 85%  -or- Algebra II H completion with a minimum course grade of 85% - or - Algebra II CP completion with a minimum course grade of 95%
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**AP Courses**

Requested Science Course	Grades	Science Requirements		Math Requirements
		Prerequisite Course Completion (or Approved Option 2 Equivalent)	Additional Requirements	Prerequisite Course Completion or Co-Requisite Course Placement
AP Environmental Science	10-12	<div style="border: 1px solid black; padding: 5px;">           Environmental Science H completion with a minimum course grade of 80%            - or -            Environmental Science CP completion with a minimum course grade of 95%         </div>	Teacher recommendation - and - Completion of Summer Assignment	-

		<p>- or -</p> <p>Biology H completion with a minimum course grade of 80%</p> <p>- or -</p> <p>Biology CP completion with a minimum course grade of 95%</p> <p>- and -</p> <p>Chemistry H completion with a minimum course grade of 80%</p> <p>- or -</p> <p>Chemistry CP completion with a minimum course grade of 95%</p> <p>- or -</p> <p>Physics H completion with a minimum course grade of 80%</p> <p>- or -</p> <p>Physics CP completion with a minimum course grade of 95%</p>		
AP Chemistry	10-12	<p>Chemistry H completion with a minimum course grade of 85%</p> <p>- or -</p> <p>Chemistry CP completion with a minimum course grade of 95%</p>	<p>Teacher recommendation</p> <p>- and -</p> <p>Completion of Summer Assignment</p>	<p>AP Pre-Calculus placement</p> <p>- or -</p> <p>Algebra II H completion with a minimum course grade of 80%</p> <p>- or -</p> <p>Algebra II CP completion with a minimum course grade of 95%</p>

AP Biology	10-12	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p style="text-align: center;">Biology H completion with a minimum course grade of 85%</p> <p style="text-align: center;">- or -</p> <p style="text-align: center;">Biology CP completion with a minimum course grade of 95%</p> </div> <p style="text-align: center;">- and -</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Chemistry H completion with a minimum course grade of 85%</p> <p style="text-align: center;">- or -</p> <p style="text-align: center;">Chemistry CP completion with a minimum course grade of 95%</p> </div>	<p style="text-align: center;">Teacher recommendation</p> <p style="text-align: center;">- and -</p> <p style="text-align: center;">Completion of Summer Assignment</p>	<p style="text-align: center;">AP Pre-Calculus placement</p> <p style="text-align: center;">- or -</p> <p style="text-align: center;">Pre-Calculus CP placement</p>
AP Physics 1	10-12	<p style="text-align: center;">Physics CP completion with a minimum course grade of 95%</p> <p style="text-align: center;">-or-</p> <p style="text-align: center;">Physics H completion with a minimum course grade of 85%</p> <p style="text-align: center;">- or -</p> <p style="text-align: center;">Biology H or Chemistry H completion with a minimum course grade of 85%</p> <p style="text-align: center;">-or-</p> <p style="text-align: center;">Either AP Chemistry/AP Bio with a minimum course grade of 80%</p>	<p style="text-align: center;">Teacher recommendation</p> <p style="text-align: center;">- and -</p> <p style="text-align: center;">Completion of Summer Assignment</p>	<p style="text-align: center;">Algebra II H completion with a minimum course grade of 90%</p> <p style="text-align: center;">-or-</p> <p style="text-align: center;">Pre-Calculus CP completion with a minimum course grade of 95%</p> <p style="text-align: center;">- or -</p> <p style="text-align: center;">AP Pre-Calculus or Calculus CP completion with a minimum course grade of 85%</p> <p style="text-align: center;">- or -</p> <p style="text-align: center;">Calculus AB completion with a minimum course grade of 80%</p>

AP Physics 2	11-12	<p>AP Physics 1 completion with a minimum final exam grade of 80%</p> <p>- or -</p> <p>Physics H completion with a minimum course grade of 90% and a minimum final exam grade of 80%</p> <p>- or -</p> <p>Physics CP completion with a minimum course grade of 95% and a minimum final exam grade of 90%</p>	<p>Teacher recommendation</p> <p>- and -</p> <p>Completion of Summer Assignment</p>	<p>AP Pre-Calculus completion with a minimum course grade of 85%</p> <p>- or -</p> <p>Algebra II H completion with a minimum course grade of 90%</p> <p>- or -</p> <p>Pre-Calculus CP completion with a minimum course grade of 95%</p>		
AP Physics C	11-12	<p>AP Physics 1 completion with a minimum final exam grade of 80%</p> <p>- or -</p> <p>AP Physics 2 completion with a minimum final exam grade of 80%</p> <p>- or -</p> <p>Physics H completion with a minimum course grade of 90% and a minimum final exam grade of 80%</p>	<p>Teacher recommendation</p> <p>- and -</p> <p>Completion of Summer Assignment</p> <p>- and -</p> <p>A score an 80% on the summer content exam the first week of school</p>	<table border="1" data-bbox="1419 537 2009 695"> <tr> <td data-bbox="1419 537 2009 695"> <p>AP Calculus AB placement</p> <p>- or -</p> <p>AP Calculus BC placement</p> </td> </tr> </table> <p>- and -</p> <table border="1" data-bbox="1419 753 2009 1045"> <tr> <td data-bbox="1419 753 2009 1045"> <p>AP Pre-Calculus completion with a minimum course grade of 85%</p> <p>- or -</p> <p>Pre-Calculus CP completion with a minimum course grade of 97%</p> <p>-or-</p> <p>Completion of Calculus CP</p> </td> </tr> </table>	<p>AP Calculus AB placement</p> <p>- or -</p> <p>AP Calculus BC placement</p>	<p>AP Pre-Calculus completion with a minimum course grade of 85%</p> <p>- or -</p> <p>Pre-Calculus CP completion with a minimum course grade of 97%</p> <p>-or-</p> <p>Completion of Calculus CP</p>
<p>AP Calculus AB placement</p> <p>- or -</p> <p>AP Calculus BC placement</p>						
<p>AP Pre-Calculus completion with a minimum course grade of 85%</p> <p>- or -</p> <p>Pre-Calculus CP completion with a minimum course grade of 97%</p> <p>-or-</p> <p>Completion of Calculus CP</p>						

**Electives**

Requested Science Course	Grades	Science Requirements		Math Requirements
		Prerequisite Course Completion (or Approved Option 2 Equivalent)	Additional Requirements	Prerequisite Course Completion or Co-Requisite Course Placement
Anatomy & Physiology CP (full year)	12	Successful completion of a Biology course - and - Successful completion of a Physical Science course	-	-
Forensic Science CP (semester)	11-12	Successful completion of a Biology course - and - Successful completion of a Chemistry course	-	-

Organic Chemistry H (semester)	11-12	Chemistry H completion with a minimum final exam grade of 80% - or - Chemistry CP completion with a minimum course grade of 95%	-	-
Introduction to Engineering Principles H (semester)	12	Successful completion of AP/H Physics course -or- Physics CP with a final course grade of 90%	-	Pre-Calculus CP completion with a minimum course grade of 85%
Research in Molecular Biology H (semester)	10-12	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">           Biology H completion with a minimum course grade of 80% - or - Biology CP completion with a minimum course grade of 90%         </div> <p style="text-align: center;">- and -</p> <div style="border: 1px solid black; padding: 5px;">           Chemistry H completion with a minimum course grade of 80% - or - Chemistry CP completion with a minimum course grade of 90%         </div>	-	-
Astronomy CP (semester)	11-12	-	-	Successful completion of Algebra II CP



## Option 2 Science Courses

Option 2 Science Courses are taken through academic institutions other than Hillsborough Township Public Schools. To be used for credit or as an alternative for a prerequisite for an HHS Science course, all Option 2 courses must be approved prior to registration.

To be used as an alternative for a prerequisite course, the final exam for the corresponding HHS course for the same level, i.e. AP, Honors, or CP, must be taken and a minimum grade achieved according to the following table:

<b>Requested HHS Science Course</b>	<b>HHS Prerequisite Science Course Level</b>	<b>Minimum HHS Final Exam Grade</b>
AP Environmental Science	Honors Science Course	75%
	CP Science Course	85%
All Other Science Courses	AP Science Course	80%
	Honors Science Course	80%
	CP Science Course	90%