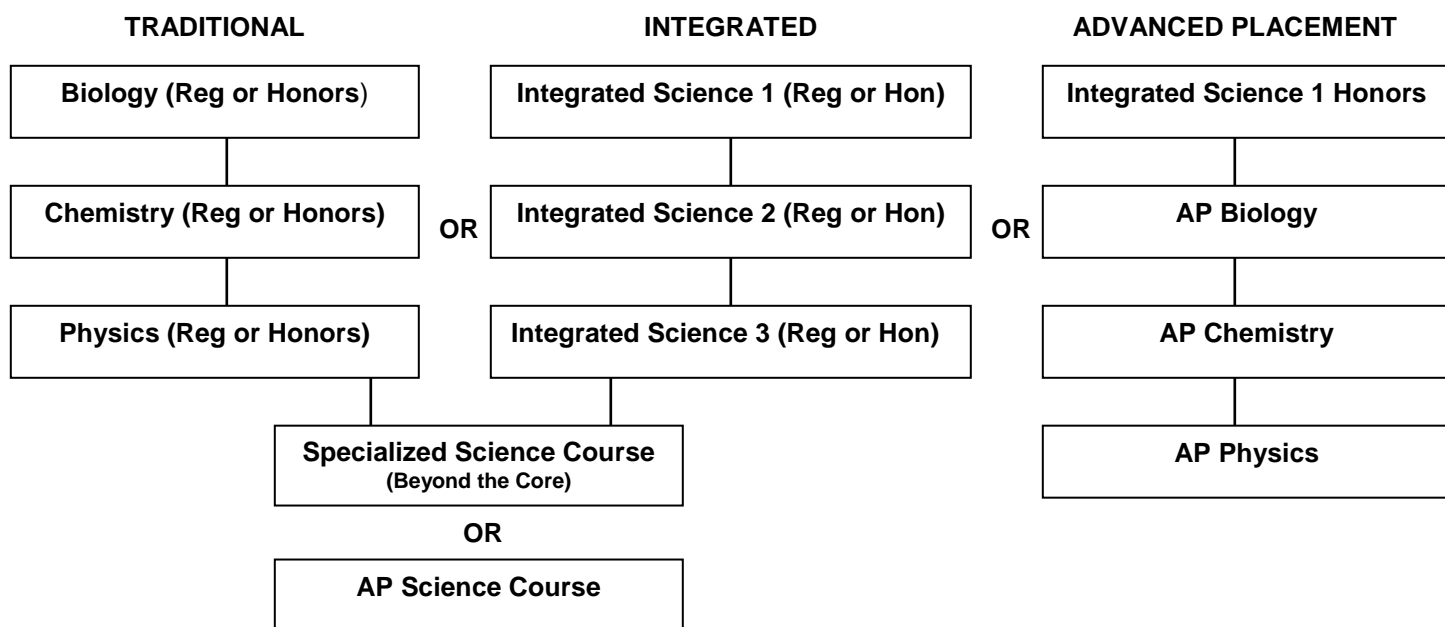


SCIENCE COURSE SEQUENCES GRADES 9-12

Students in grades 9-12 must meet the four-credit graduation requirement in science by either

- the sequence of Integrated Science 1, 2 and 3, plus an additional science
or
- one credit each in biology, chemistry and physics, plus an additional science.

There are 3 science sequences. All three are designed to address 100% of the Florida Sunshine State Standards for Science and are accepted by universities around the state and nation.



What are the differences between the three science sequences?

The **INTEGRATED** Science sequence addresses all areas of science each year, with increasing complexity, so that students can develop a strong foundation and progress to sophisticated concepts in all areas of science. A focus on relationships among the sciences and the scaffolding of science concepts is designed to maximize scientific understanding. Next Generation Sunshine State Standards for Science are addressed over the course of three years, including 100% of the Biology standards. Students may select any Advanced Placement science course or specialized (non-core) science course for their 4th science credit. Students will take the state-required End-of-Course Biology test after completion of Integrated Science 3 (regular or honors).

The **TRADITIONAL** sequence addresses one area of science each year. Students may select any Advanced Placement science course or specialized (non-core) science course for their 4th science credit. Students will take the state-required End-of-Course Biology test after completion of their first Biology course (regular, honors, AP).

For the **INTEGRATED** and **TRADITIONAL** sequences, the regular level courses are designed to emphasize conceptual learning. For both sequences the honors level courses will require a greater proficiency in mathematics. Laboratory experiences, real-world relevance, and scientific thinking are integral to both sequences.

The **ADVANCED PLACEMENT** sequence provides an opportunity for extremely talented, motivated students to take three or more Advanced Placement (college level) science classes.

It is recommended that those students taking Chemistry 1 Honors, AP Chemistry, Physics 1 Honors, or AP Physics have a strong and successful background in higher-level mathematics.