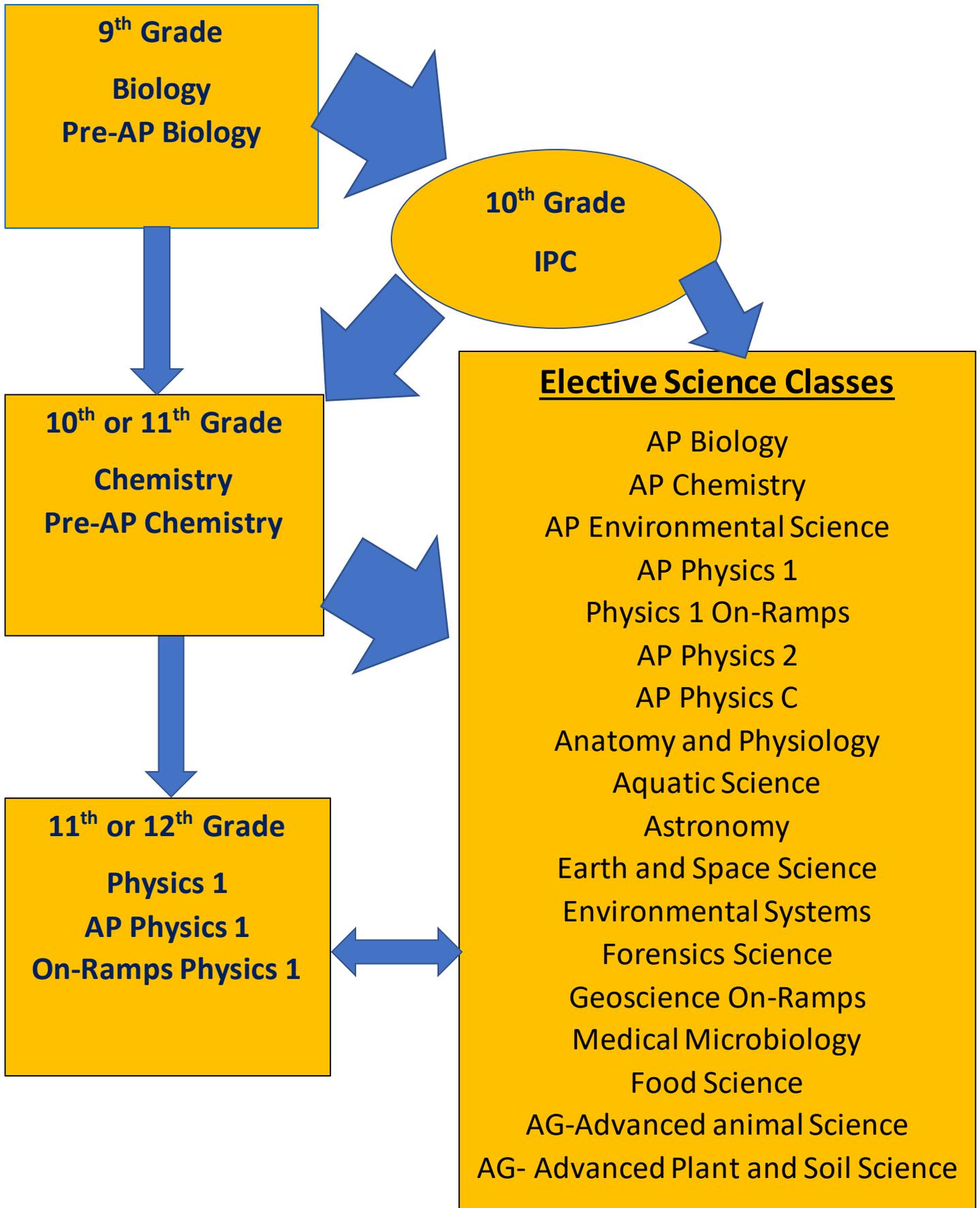


O'Connor High School Sequence Chart



High School Science Course Prerequisites 2019-2020 (Rev. September 12, 2019)

Course	P=Prerequisite; C=Corequisite; S=Suggested; R=Recommended
Biology	P-none
IPC	P-none, R-Grades 9 or 10
Chemistry	P-Biology and Algebra 1
Physics	S-Algebra
Aquatic Science	P-Biology; S-Chemistry
Astronomy	P-Biology; Grade 11 or 12
Environmental Systems	S-Biology and a physical science
Anatomy & Physiology	P-Biology; second science credit; R- previous course in CTE Health Science Career Cluster
Medical Microbiology	P-Biology and Chemistry R-previous course in CTE Health Science strand
Forensic Science	P-Biology and Chemistry R-previous course in Law, Public Safety, Corrections & Security cluster
Biotechnology 1	P-Biology; R: Chemistry and Principles of Biosciences; Grades 11 & 12
Biotechnology 2	P-Biotechnology 1 and Chemistry; Grades 11& 12
Earth and Space Science	P-2 years of science and 2 years of math C-additional year of math and science; Grade 11 or 12
Food Science	P-Biology, Chemistry and 3 rd year of science R-Principles of Hospitality & Tourism
Advanced Animal Science	P-Biology and Chemistry or IPC
Advanced Plant and Soil Science	none
AP Environmental Science DC Biology 2406	P-Biology and a physical science; R-Algebra
AP Biology; DC Biology 1406/1407	P-Biology and Chemistry
AP Chemistry	P- Chemistry, R-Algebra 2
AP Physics 1	P- Geometry; C-Algebra 2
AP Physics 2	P-AP Physics 1 or OR Physics 1, Algebra 2; C-Precalculus
AP Physics C Mechanics	P-AP Physics 1, Or Physics 1, Precalculus; C-AP Calculus AB or BC
AP Physics C Electricity & Magnetism	R-AP Physics C Mechanics; C-AP Calculus AB or BC
OnRamps Geosciences (UT GEOL 302E)	Paired with Earth and Space Science. P- Biology and Chemistry, 2 years of math and concurrently another math
OnRamps Chemistry (UT CH 301/104M)	Paired with AP Chemistry. P-Chemistry; R-Algebra 2
OnRamps Chemistry 2 (pending)	Pending
OnRamps Physics 1 (UT PHYS 302K)	Paired with AP Physics 1. P-Algebra I, Geometry; R-Algebra II, Precalculus
OnRamps Physics 2 (UT PHYS 302L)	Paired with AP Physics 2 P-OR Physics 1 or AP Physics 1, Algebra 2; C- Precalculus

Prerequisites reflect the "streamlined" Science TEKS effective 2018-2019, the CTE TEKS effective 2017-2018, the College Board website, and UT OnRamps course fliers. In some cases when a course is paired or stacked with another course, such as OR Geosciences with Earth and Space Science, the more advanced prerequisites of the two courses are listed.

Sequence and course decisions must consider the individual student.

All students should follow a challenging sequence that prepares them for their post-secondary plans.