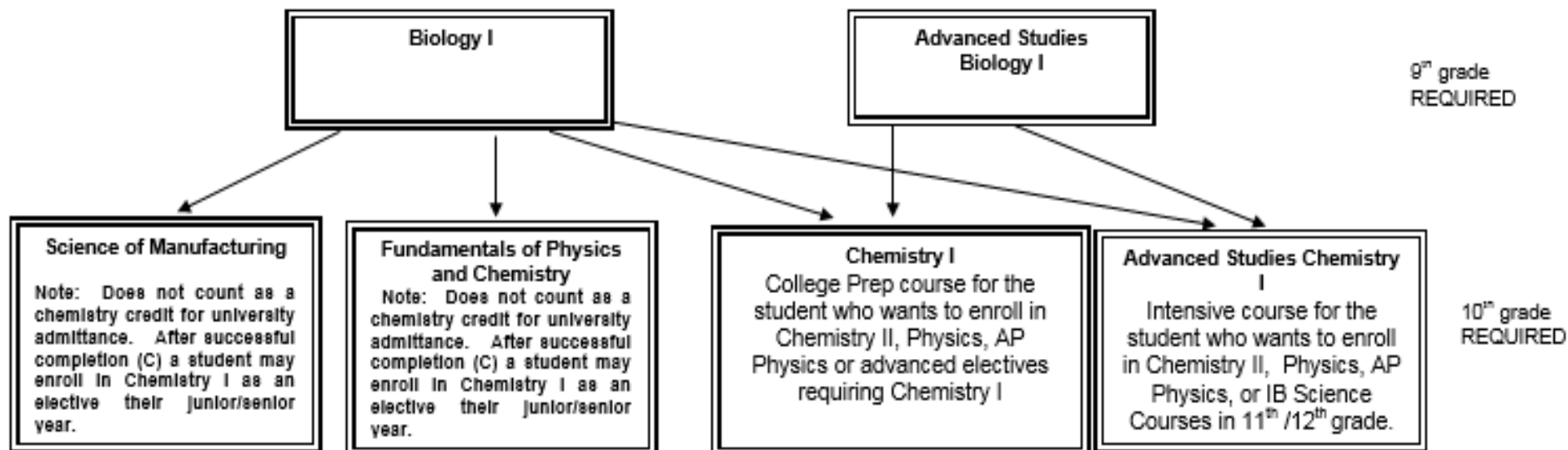


# Scope and Sequence

## Science Department

Middle School  
7<sup>th</sup> and 8<sup>th</sup> Science  
7<sup>th</sup> and 8<sup>th</sup> Advanced Studies Science



### ELECTIVES

#### Teacher Approval for all electives during junior and senior year of High School

Students may not move to the next level without passing the respective 9<sup>th</sup> and 10<sup>th</sup> grade required courses.

PHYSICS ELECTIVES	ADVANCED BIOLOGY ELECTIVES	PLTW BIOMED COURSES
Physics I*	Biology II*	Principles of the Biomedical Science (9-10) – PBS*
Physics II*	IB Biology 11*	Human Body Systems*
AP Physics C*	IB Biology 12*	Medical Interventions/Biomedical Innovation*(STA)
GENERAL SCIENCE ELECTIVES	IB Environmental Systems and Societies*	PLTW ENGINEERING COURSES
Human Anatomy & Physiology*	ADVANCED CHEMISTRY ELECTIVES	Principles of Engineering (10-12)*
Science of Nature	Chemistry I	Digital Electronics* (STA)
Science of Manufacturing	Chemistry II*	Engineering Design & Development*(STA)
Astronomy (semester)	IB Chemistry 11*	STA HEALTH SCIENCE CLASSES
Meteorology (semester)	IB Chemistry 12*	Pre-Professional Nursing* (STA)
		Pre-Allied Health @ STA
		Foundations of Nursing @ Herndon

\*indicates weighted course