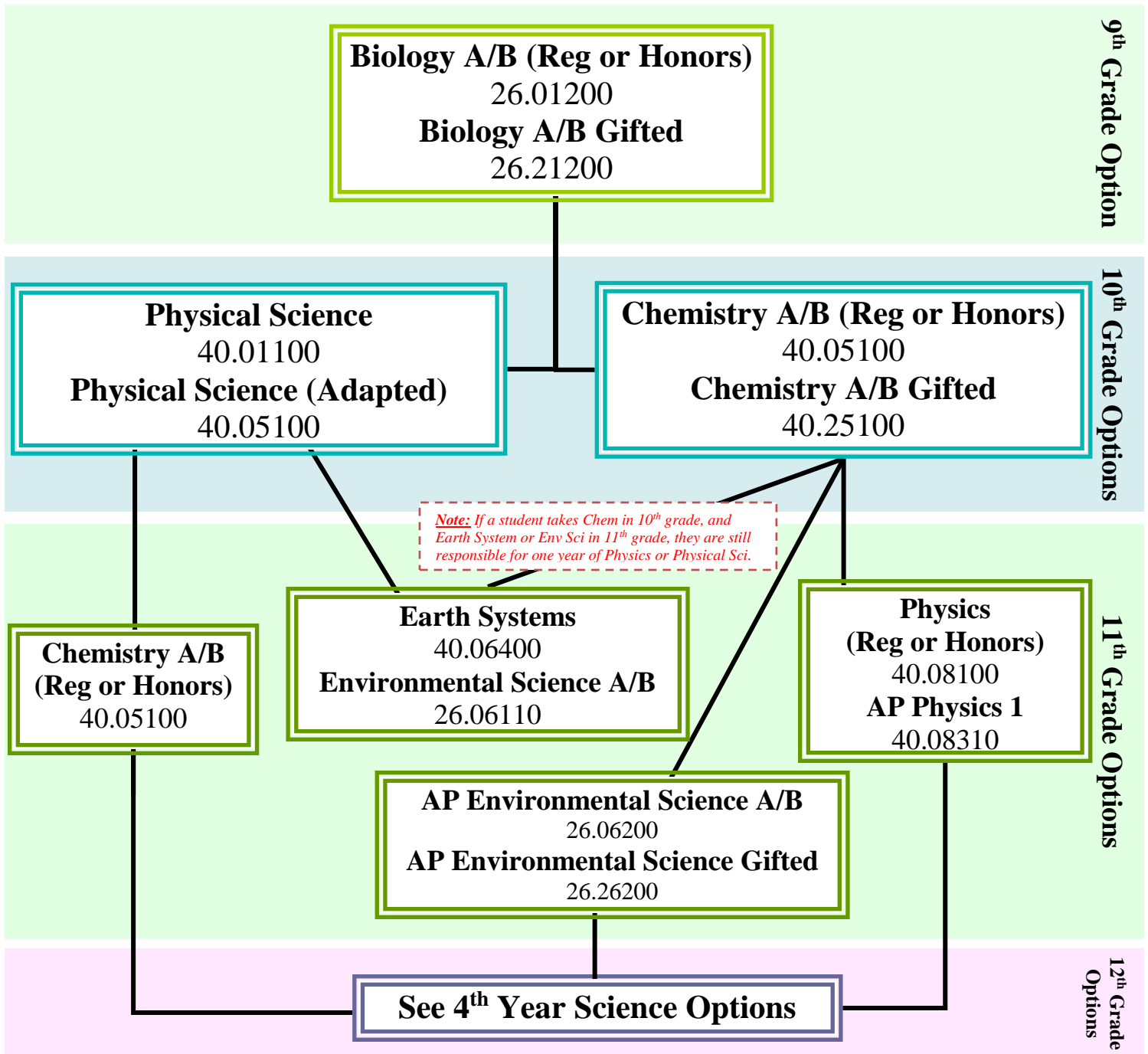


# Fayette County Public Schools

## High School Science Graduation Requirements



**Note:** All students are required to successfully meet four science requirements, for graduation. They are:

- (I) Biology I;
- (II) Physics or Physical Science;
- (III) Chemistry, Earth Systems, Environmental Science, or an AP/IB course; and
- (IV) Any other science from the list of state funded courses and K-8 subjects rules (IDA3) or any CTAE approved course. (See the next page for a list of approved fourth year science options, CTAE approved options, and Board of Regents approved options).

Georgia's graduation rule expects full units of science. No matching or mixing counts as a fourth science.

# Fayette County Public Schools

## High School Science Graduation Requirements

### Fourth Year Science Options

Course No.	Course Name	4 <sup>th</sup> Year Science Option	Board of Regents Approved	CTAE Track
26.01200	Biology I	•	•	
26.01300	Biology II	•	•	
26.01400	AP Biology	•	•	
26.01500	Genetics	•	•	
26.01800	IB Biology, Year 1	•	•	
26.01900	IB Biology, Year 2	•	•	
26.03100	Botany	•	•	
26.05100	Microbiology	•	•	
26.06100	Ecology	•	•	
26.06110	Environmental Science	•	•	
26.06200	AP Environmental Science	•	•	
26.06300	IB Environmental Systems, Year One	•	•	
26.06310	IB Environmental Systems, Year Two	•	•	
26.06400	Advanced Genetics/DNA Research	•	•	
26.06500	Epidemiology	•	•	
26.07100	Zoology	•	•	
26.07200	Entomology	•	•	
26.07300	Human Anatomy and Physiology	•	•	
40.01100	Physical Science	•	•	
40.02100	Astronomy	•	•	
40.04100	Meteorology	•	•	
40.05100	Chemistry I	•	•	
40.05200	Chemistry II	•	•	
40.05300	AP Chemistry	•	•	
40.05500	IB Chemistry, Year One	•	•	
40.05600	IB Chemistry, Year Two	•	•	
40.05700	Organic Chemistry ( <i>Magnet school &amp; Post-AP only</i> )	•	•	
40.05800	Biochemistry ( <i>Magnet school &amp; Post-AP only</i> )	•	•	
40.05900	Materials Chemistry ( <i>Post AP Chemistry only</i> )	•	•	
40.06300	Geology	•	•	
40.06400	Earth Systems	•	•	
40.07100	Oceanography	•	•	
40.08100	Physics I	•	•	
40.08200	Physics II	•	•	
40.08310	AP Physics 1	•	•	
40.08320	AP Physics 2	•	•	
40.08410	AP Physics C: Mechanics	•	•	
40.08420	AP Physics C: Electricity and Magnetism	•	•	
40.08500	IB Physics, Year One	•	•	
40.08600	IB Physics, Year Two	•	•	
40.08700	Environmental Physics ( <i>Post AP Physics</i> )	•	•	
40.08800	Special Topics in Modern Physics ( <i>Magnet school and Post-AP only</i> )	•	•	
40.08900	Advanced Physics Principles/Robotics ( <i>Magnet school and Post-AP only</i> )	•	•	
40.09100	Advanced Scientific Internship ( <i>Post AP Science</i> )	•	•	

Course No.	Course Name	4 <sup>th</sup> Year Science Option	Board of Regents Approved	CTAE Track
40.09230	Scientific Research III	•	•	
40.09240	Scientific Research IV	•	•	
40.09300	Forensic Science	•	•	
40.09400	Chemical & Material Science Engineering	•	•	
40.09500	IB Design Technology, Year One	•	•	
40.09600	IB Design Technology, Year Two	•	•	
40.09700	IB Marine Science, Year One	•	•	
40.09710	IB Marine Science, Year Two	•	•	
21.45700	Appropriate & Alternative Energy Technologies	•	•	•
21.45100	Energy and Power Technologies	•	•	•
25.56900	Applications of Biotechnology	•	•	•
25.57000	Essentials of Biotechnology	•	•	•
25.44000	Essentials of Healthcare	•	•	•
25.44600	Sports Medicine	•	•	•
20.41400	Food for Life	•	•	•
20.41810	Food Science	•	•	•
03.45100	Forest Science	•	•	•
01.46100	General Horticulture & Plant Science	•	•	•
03.41100	Natural Resources Management	•	•	•
02.42100	Animal Science Technology/Biotechnology	•	•	•
02.44100	Plant Science and Biotechnology	•	•	•
21.45300	Advanced AC and DC Circuits	•	•	•
11.01600	AP Computer Science	•	•	•
11.01700	IB Computer Science, Year One	•	•	•
11.01710	IB Computer Science, Year Two	•	•	•
11.01900	AP Computer Science Principles	•	•	•
11.47100	Computer Science Principles	•	•	•
11.47200	Programming, Games, Apps and Society	•	•	•
11.42500	Web Development	•	•	•
11.42700	Embedded Computing	•	•	•
11.42900	Game Design: Animation and Simulation	•	•	•
43.45200	Forensic Science and Criminal	•	•	•
21.45400	Digital Electronics	•		•
40.09210	Scientific Research I	•		
40.09220	Scientific Research II	•		
40.06500	Fundamentals of Geospatial Technology	•		
40.06600	Applications of Geospatial Technology	•		

For a current list of fourth year science options, please visit: <http://www.gadoe.org/Curriculum-Instruction-and-Assessment/Curriculum-and-Instruction/Pages/Science.aspx>. For CTAE approved fourth science options, please visit: <http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE>. For Advanced Academic Pathways, please visit: <http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/advanced-academics.aspx>.