

Richard Woods, Georgia's School Superintendent
"Educating Georgia's Future"

Fourth Science Options
2016-2017

The following courses count towards satisfying the fourth science requirement and a CTAE pathway completion requirement and **have been approved** by the Board of Regents as a fourth science.

Course Number	Course Name	CTAE Pathway
21.45700	Appropriate and Alternative Energy Technologies	Energy
21.45100	Energy and Power Technologies	Energy
25.56900	Applications of Biotechnology	Health Science
25.57000	Essentials of Biotechnology	Health Science
25.44000	Essentials of Healthcare	Health Science
25.44600	Sports Medicine	Health Science
20.41400	Food for Life	Human Services
20.41810	Food Science	Human Services
03.45100	Forest Science	Agriculture, Food, and Natural Resources
01.46100	General Horticulture and Plant Science	Agriculture, Food, and Natural Resources
03.41100	Natural Resources Management	Agriculture, Food, and Natural Resources
02.42100	Animal Science Technology/Biotechnology	Agriculture, Food, and Natural Resources
02.44100	Plant Science and Biotechnology	Agriculture, Food, and Natural Resources
20.41710	Food & Nutrition Through the Lifespan	Nutrition & Food Science
21.45300	Advanced AC and DC Circuits	Science, Technology, Engineering, & Mathematics
11.01600	Advanced Placement Computer Science	Information Technology
11.01900	Advanced Placement Computer Science Principles	Information Technology
11.01700	International Baccalaureate Computer Science, Year One	Information Technology
11.01710	International Baccalaureate Computer Science, Year Two	Information Technology
11.47100	Computer Science Principles	Information Technology
11.47200	Programming, Games, Apps and Society	Information Technology
11.42500	Web Development	Information Technology
11.42700	Embedded Computing	Information Technology
11.42900	Game Design: Animation and Simulation	Information Technology

The following courses count towards satisfying the fourth science requirement and a CTAE pathway completion requirement but **are not** recognized as a fourth science by Board of Regents.

Course Number	Course Name	CTAE Pathway
21.45400	Digital Electronics	Science, Technology, Engineering, & Mathematics

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The following courses count towards satisfying the fourth science requirement.

Course Number	Course Name
26.01300	Biology II
26.01400	Advanced Placement Biology
26.01500	Genetics
26.01800	International Baccalaureate Biology, Year One
26.01900	International Baccalaureate Biology, Year Two
26.01900	IB Biology, Year Two
26.02000	IB Sports, exercise, and health Science, Year One
26.02100	IB Sports, exercise, and health Science, Year Two
26.03100	Botany
26.05100	Microbiology
26.06100	Ecology
26.06110	Environmental Science
26.06200	Advanced Placement 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
26.06600	Advanced Placement (AP) Research, Life Science
26.06700	Advanced Placement (AP) Seminar, Life Science
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	Advanced Placement Chemistry
40.05500	International Baccalaureate Chemistry, Year One
40.05600	International Baccalaureate Chemistry, Year Two
40.05700	Organic Chemistry (<i>Magnet school and Post-AP only</i>)
40.05800	Biochemistry (<i>Magnet school and Post-AP only</i>)
40.05900	Materials Chemistry (<i>Post AP Chemistry only</i>)
40.06300	Geology
40.06400	Earth Systems
40.06500 *	Fundamentals of Geospatial Technology
40.06600 *	Applications of Geospatial Technology
40.07100	Oceanography
40.07110	Advanced Placement (AP) Research, Physical Science
40.07120	Advanced Placement (AP) Seminar, Physical Science
40.08100	Physics I
40.08200	Physics II
40.08310	Advanced Placement Physics 1
40.08320	Advanced Placement Physics 2
40.08410	Advanced Placement Physics C: Mechanics
40.08420	Advanced Placement Physics C: Electricity and Magnetism
40.08500	International Baccalaureate Physics SL
40.08600	International Baccalaureate Physics HL
40.08700	Environmental Physics (<i>Post AP Physics only</i>)
40.08800	Special Topics in Modern Physics (<i>Magnet school and Post-AP only</i>)

* Indicates the course has not been approved as a four science by the Board of Regents.

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List of courses that satisfy the fourth science requirement (continuation)

Course Number	Course Name
40.08900	Advanced Physics Principles/Robotics (<i>Magnet school and Post-AP only</i>)
40.09100	Advanced Scientific Internship (<i>Post AP Science</i>)
40.09210 *	Scientific Research I
40.09220 *	Scientific Research II
40.09230	Scientific Research III
40.09240	Scientific Research IV
40.09300	Forensic Science
40.09400	Chemical & Material Science Engineering (<i>Post AP Chemistry only</i>)
40.09500	International Baccalaureate Design Technology, Year One
40.09600	International Baccalaureate Design Technology, Year Two
40.09700	International Baccalaureate Marine Science, Year One
40.09710	International Baccalaureate Marine Science, Year Two

* Indicates the course has not been approved as a four science by the Board of Regents.