

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

Fourth Science Options
2015-2016 (Tentative)

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 |
| 11.01700 | 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 |

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 |
| 26.03100 | 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 |
| 26.07100 | 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 |
| 40.07100 | Oceanography |
| 40.06500 * | Fundamentals of Geospatial Technology |
| 40.06600 * | Applications of Geospatial Technology |
| 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>) |
| 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>) |

* 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 |
|----------------------|---|
| 40.09500 | 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.