



**ARKANSAS**  
K-12 SCIENCE STANDARDS

EDUCATION FOR A NEW GENERATION

## Arkansas Division of Elementary and Secondary Education Science Graduation Requirements

*Updated February 13, 2022*

**All Arkansas students must earn 3 science credits to graduate:**

- a course approved by ADE as a biology credit (1 credit)
- a course approved by ADE as a physical science credit (1 credit)
- a third course approved by ADE for science credit or Computer Science Flex credit (1 credit)

<p>All students are required to earn a <b>Biology credit</b> by taking one of these courses</p>	<p>All students are required to earn at least one <b>Physical Science credit</b> by taking one of these courses</p>	<p>For all students to complete the Smart Core or Core pathways to graduation, any third science course listed below can meet the <b>Third Science credit</b>. Students can also choose from certain Career Education and Technical approved for a 3<sup>rd</sup> science credit (see Commissioner's Memo LS-19-068). If students choose to use a Career Education course to count as one of their third science course, <b>the</b></p>
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		<b>following courses may not be used to meet the science course requirements within the required 38</b>
<ul style="list-style-type: none"> <li>● Biology – Integrated (420000)</li> <li>● Pre-AP Biology (420100)</li> <li>● AP Biology (520030)</li> <li>● IB Biology (529030)</li> <li>● Concurrent Credit Biology (529910)</li> </ul>	<ul style="list-style-type: none"> <li>● Physical Science - Integrated (423000)</li> <li>● Concurrent Credit Physical Science (529920)</li> <li>● Chemistry – Integrated (421000)</li> <li>● Pre-AP Chemistry (421300)</li> <li>● Chemistry II (421010)</li> <li>● AP Chemistry (521030)</li> <li>● IB Chemistry (521040)</li> <li>● Concurrent Credit Chemistry (529930)</li> <li>● Physics (422010)</li> <li>● AP Physics 1 (522080)</li> <li>● AP Physics 2 (522090)</li> <li>● AP Physics C: Electricity and Magnetism (522040)</li> <li>● AP Physics C: Mechanics (522050)</li> <li>● IB Physics (522060)</li> <li>● Concurrent Credit Physics (529940)</li> <li>● PLTW Principles of Engineering (495490)</li> <li>● PLTW Aerospace Engineering (494980)</li> </ul>	<ul style="list-style-type: none"> <li>● Physical Science - Integrated (423000)</li> <li>● Concurrent Credit Physical Science (529920)</li> <li>● Chemistry – Integrated (421000)</li> <li>● Pre-AP Chemistry (421300)</li> <li>● Chemistry II (421010)</li> <li>● AP Chemistry (521030)</li> <li>● Concurrent Credit Chemistry (529930)</li> <li>● Physics (422010)</li> <li>● AP Physics 1 (522080)</li> <li>● AP Physics 2 (522090)</li> <li>● AP Physics C: Electricity and Magnetism (522040)</li> <li>● AP Physics C: Mechanics (522050)</li> <li>● Concurrent Credit Physics (529940)</li> <li>● Astronomy (425050)</li> <li>● Anatomy and Physiology (424030)</li> <li>● Earth Science (425020)</li> <li>● Environmental Science (424020)</li> </ul>

		<ul style="list-style-type: none"> <li>● AP Environmental Science (523030)</li> <li>● AP Biology (520030)</li> <li>● Concurrent Credit Biology (529910)</li> <li>● PLTW Principles of Engineering (495490)</li> <li>● PLTW Aerospace Engineering Weighted Credit (494980)</li> <li>● PLTW Human Body Systems (495010)</li> <li>● FACS Chemistry of Food (493130)</li> <li>● Principles of Agriculture Science-Animal (CASE) Weighted Credit (491160)</li> <li>● Principles of Agriculture Science-Plant (CASE) Weighted Credit (491170)</li> <li>● Natural Resources &amp; Ecology (CASE) Weighted Credit (491470)</li> </ul>
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**Computer Science Flex Credit** - Students can choose to use a Computer Science course to flex for a 3<sup>rd</sup> science course. A student receiving a Computer Science Flex Credit can substitute that credit in place of the 4th math credit requirement or the 3rd science credit requirement for either Smart Core or Core graduation paths. A student receiving two Computer Science Flex Credits can substitute those credits in place of the 4th math credit requirement and the 3rd science credit requirement for either Smart Core or Core graduation paths. The CS courses can be found at <http://bit.ly/CSforARCourses>.

**The Academic Challenge Program provides scholarships to Arkansas residents pursuing a higher education.** Funded in large part by the Arkansas Scholarship Lottery, the Academic Challenge Scholarship is available to students regardless of their academic status, whether just graduating from high school, currently enrolled in college, enrolling in college for the first time, or re-enrolling after a period of time out of college. **For high school seniors, the only requirement is a 19 on the ACT or 990 on SAT.** <https://scholarships.adhe.edu/scholarships-and-programs/high-school/>