



Arkansas Division of Elementary and Secondary Education

Science Graduation Requirements

Updated August 1, 2010

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 Biology credit by taking one of these courses</p>	<p>All students are required to earn at least one Physical Science credit 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 Third Science credit. Students can also choose from certain Career Education and Technical approved for a 3rd 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, the</p>
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		following courses may not be used to meet the science course requirements within the required 38
<ul style="list-style-type: none"> ● AP Biology (520030) ● Biology – Integrated (420000) ● Biology-Integrated (Weighted-requires ADE approval) (520010) ● Concurrent Credit Biology (529910) ● International Baccalaureate IB Biology I (529030) ● International Baccalaureate IB Biology II (529060) ● Pre-AP Biology (420100) 	<ul style="list-style-type: none"> ● Physical Science - Integrated (423000) ● Concurrent Credit Physical Science (529920) ● Chemistry – Integrated (421000) ● Pre-AP Chemistry (421300) ● Chemistry II (421010) ● AP Chemistry (521030) ● IB Chemistry (521040) ● Concurrent Credit Chemistry (529930) ● Physics (422010) ● AP Physics 1 (522080) ● AP Physics 2 (522090) ● AP Physics C: Electricity and Magnetism (522040) ● AP Physics C: Mechanics (522050) ● IB Physics (522060) ● Concurrent Credit Physics (529940) ● PLTW Principles of Engineering (495490) ● PLTW Aerospace Engineering (494980) ● Aerospace Engineering Weighted Credit (494980) 	<ul style="list-style-type: none"> ● Anatomy and Physiology (424030) ● AP Environmental Science (523030) ● Artificial Intelligence & Machine Learning Year 1 (465410) ● Artificial Intelligence & Machine Learning Year 2 (465420) ● Astronomy (425050) ● CASE: Natural Resources & Ecology (491470) ● CASE: Principles of Agriculture: Animal (491160) ● CASE: Principles of Agriculture: Plant (491170) ● Chemistry of Foods (493130) ● College Board AP Computer Science A (565130) ● College Board AP Computer Science Principles (565030) ● Computer Engineering Year 1 (465470) ● Computer Engineering Year 2 (465480) ● Computer Engineering Year 3 Advanced (465490) ● Computer Science Independent Study (465930) ● Computer Science Internship (465940) ● Concurrent Credit Anatomy & Physiology (524030)

	<ul style="list-style-type: none"> • Engineering II (493970) 	<ul style="list-style-type: none"> • Concurrent Credit Astronomy (525050) • Concurrent Credit Earth Science (525030) • Concurrent Credit Environmental Science (524040) • Cybersecurity Year 1 (465270) • Cybersecurity Year 2 (465280) • Cybersecurity Year 3 Advanced (465290) • Data Science Year 1 (465710) • Data Science Year 2 (465720) • Earth Science (425020) • Environmental Science (424020) • Environmental Sustainability (495430) • Game Development & Design Year 2 (465680) • Game Development & Design Year 3 Advanced (465690) • Human Body Systems (495010)
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Computer Science Flex Credit - Students can choose to use a Computer Science course to flex for a 3rd 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/>