

# WCHS Science Course Offerings



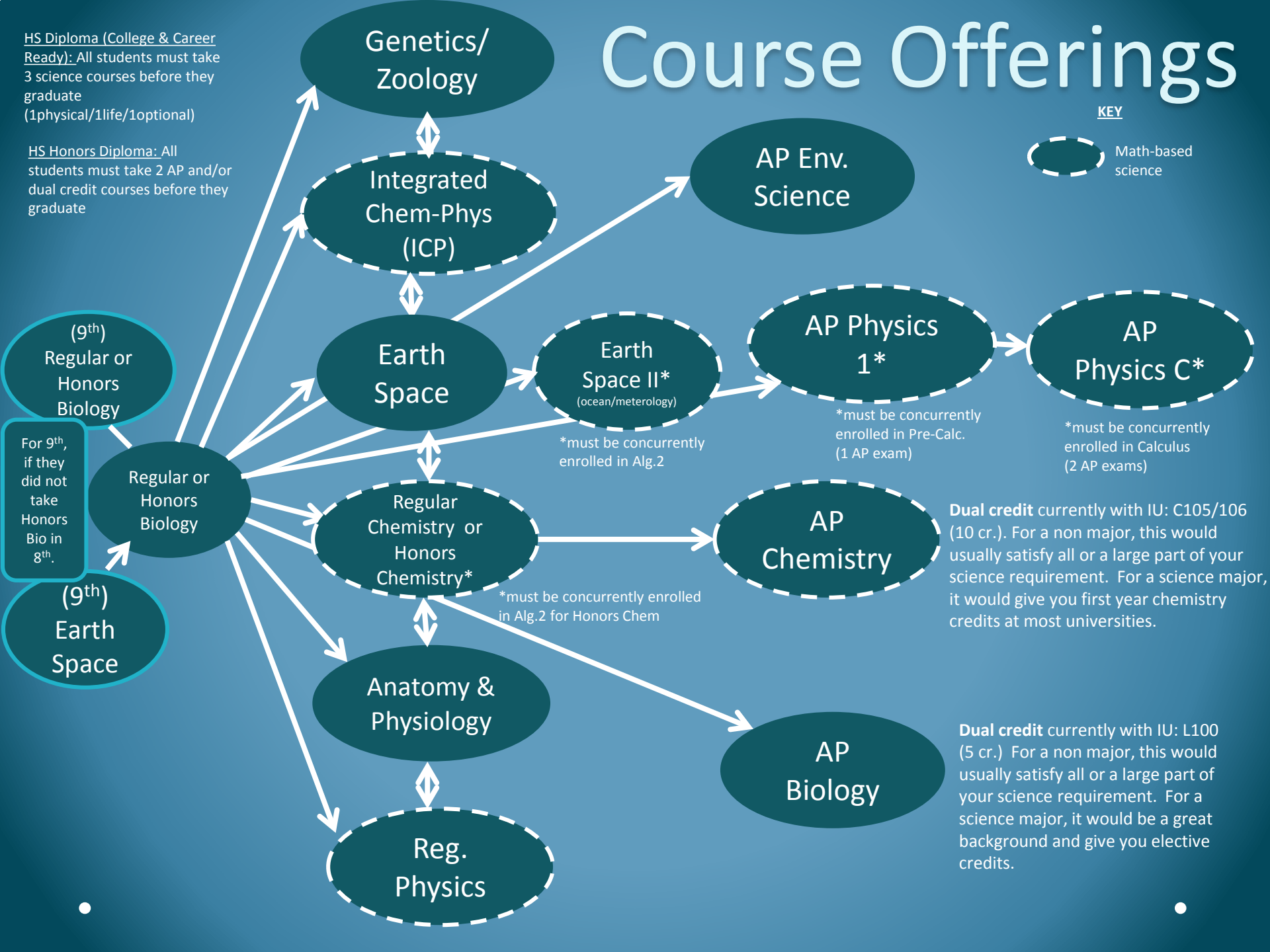
# Course Offerings

HS Diploma (College & Career Ready): All students must take 3 science courses before they graduate (1physical/1life/1optional)

HS Honors Diploma: All students must take 2 AP and/or dual credit courses before they graduate

KEY

 Math-based science



For 9<sup>th</sup>, if they did not take Honors Bio in 8<sup>th</sup>.

\*must be concurrently enrolled in Alg.2

\*must be concurrently enrolled in Pre-Calc. (1 AP exam)

\*must be concurrently enrolled in Calculus (2 AP exams)

\*must be concurrently enrolled in Alg.2 for Honors Chem

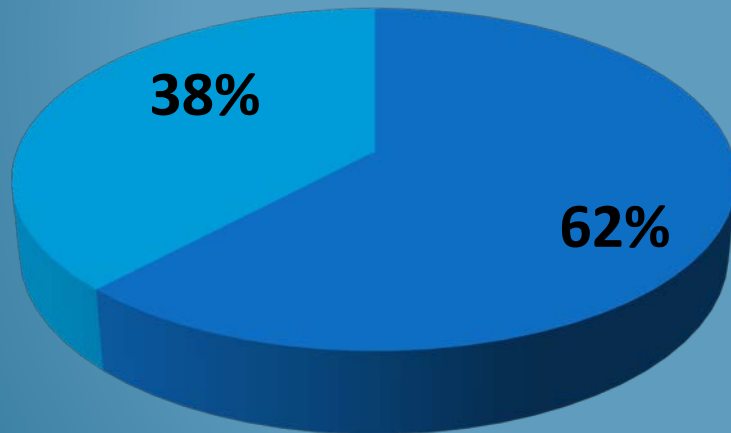
**Dual credit** currently with IU: C105/106 (10 cr.). For a non major, this would usually satisfy all or a large part of your science requirement. For a science major, it would give you first year chemistry credits at most universities.

**Dual credit** currently with IU: L100 (5 cr.) For a non major, this would usually satisfy all or a large part of your science requirement. For a science major, it would be a great background and give you elective credits.

# STEM Increased Participation and Achievement is a Nat'l Security Issue Achievement

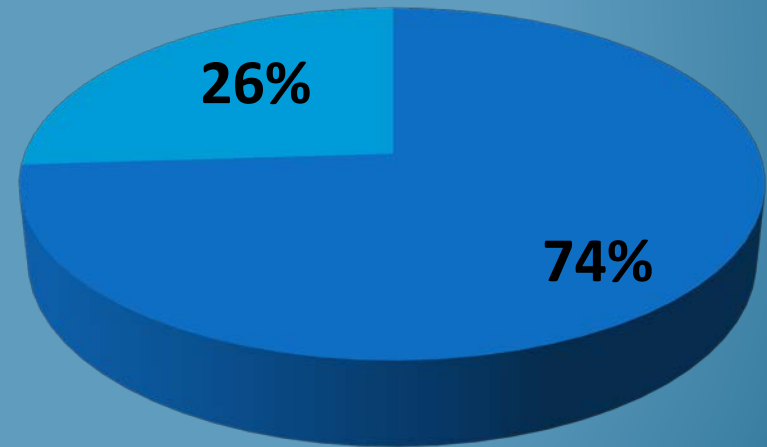
Sustained economic development= investment in people(Knowledge and skills). No economy can succeed without a high-quality workforce, particularly in an age of globalization and technical change.

Workforce Needs  
2015



■ Skilled ■ Unskilled

Workforce Needs  
2020



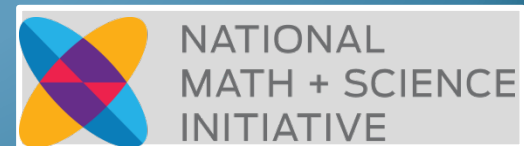
■ Skilled ■ Unskilled

# Why AP Can Close The Gap

**7,700** AR HS grads of 2009 attending AR public universities – students would be in their Senior Year of college

END OF JUNIOR YEAR	Credit Hours Achieved	College GPA	Remediation
<b>Non-AP</b>	27.66	2.07	<b>69.2%</b>
<b>AP</b>	<b>44.89</b>	<b>2.76</b>	<b>25.26%</b>

Source: Arkansas Research Center



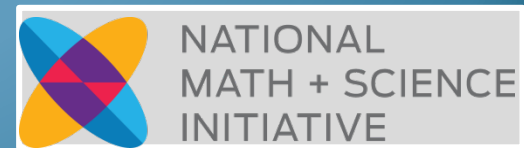
# Why AP Can Close The Gap

## AP Proficiency (Any AP Course)

FIRST YEAR	Credit Hours Achieved	First Year College GPA	Remediation
Non-AP	17.68	2.19	64.2%
AP Not Proficient	27.46	2.72	33.02%
AP Proficient	31.84	3.19	13.47%

*AP Not Proficient: Took an AP course, scored a 1 or 2 on exam.*

*AP Proficient: Scored a 3 or higher(out of 5) on AP exam.*



*Source: Arkansas Research Center*