

Dual Enrollment Update

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DUAL ENROLLMENT AND MONTANA CAREER PATHWAYS

OFFICE OF THE COMMISSIONER OF HIGHER EDUCATION, MONTANA UNIVERSITY SYSTEM

STATE POLICY CHAIR

NATIONAL ALLIANCE OF CONCURRENT ENROLLMENT PARTNERSHIPS (NACEP)

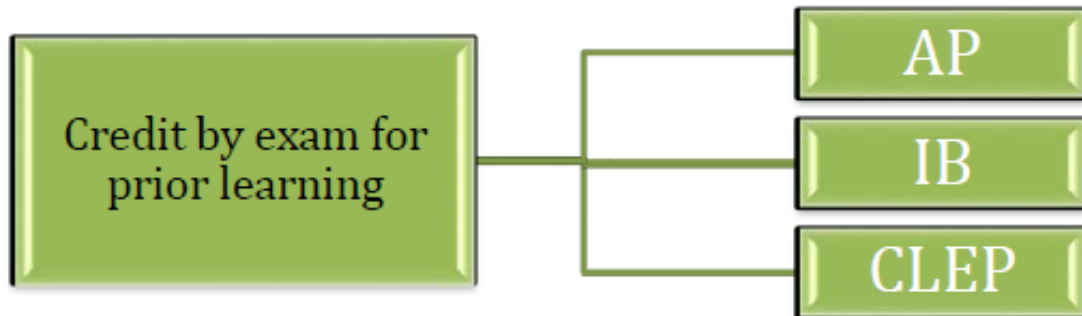
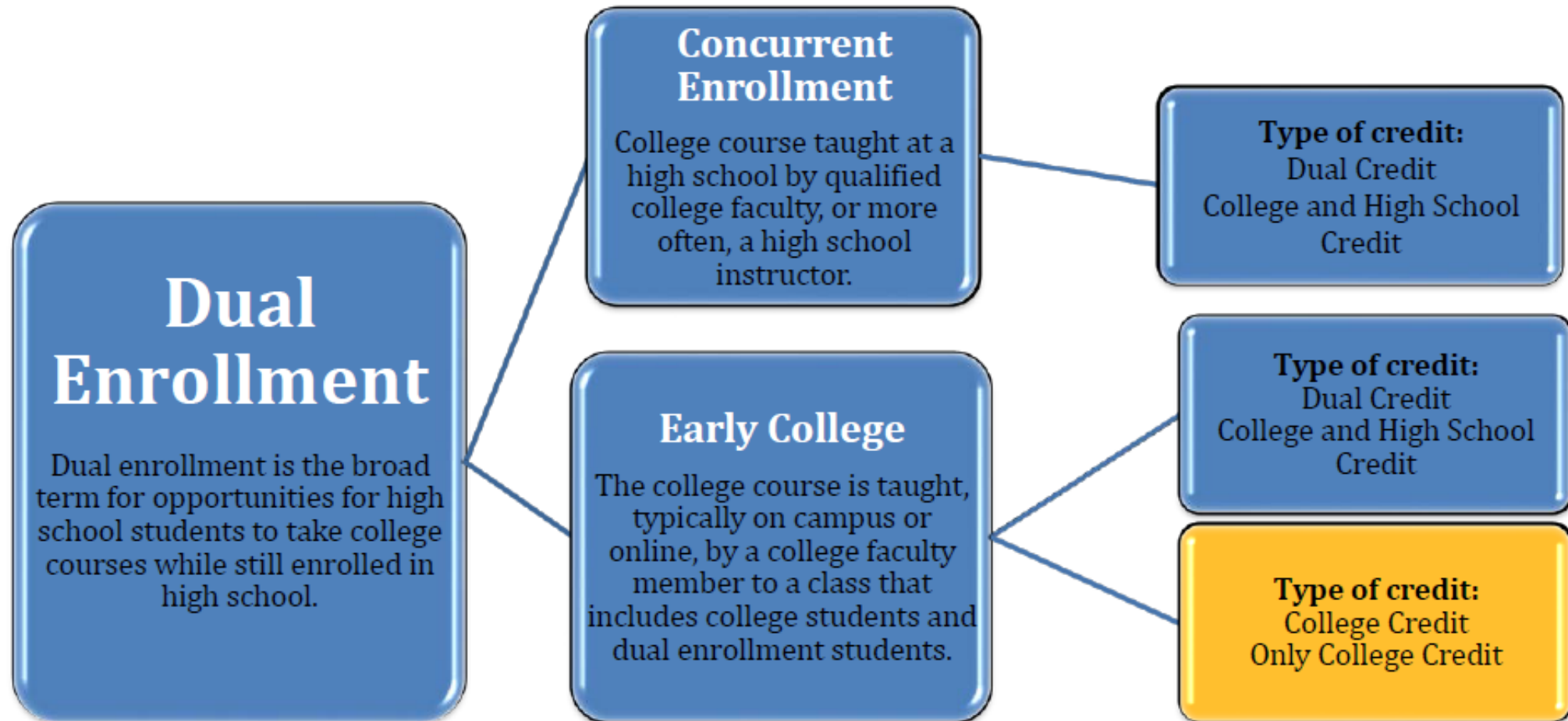
What is dual enrollment?

Dual enrollment is a program that allows MT high school students to take college courses for half-price tuition through the MUS.

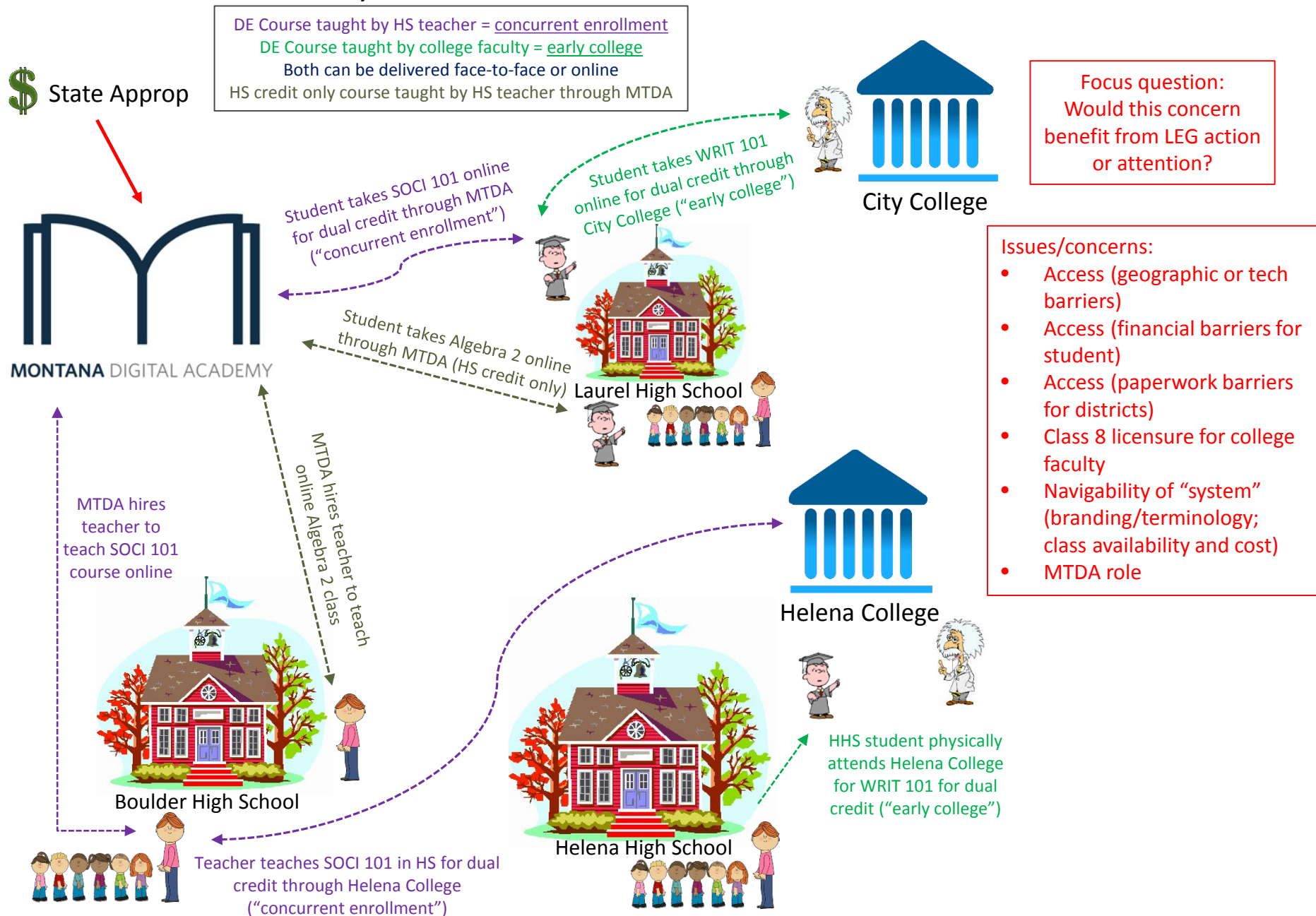
- The program is open to any MT high school junior or senior, age 16 and older, or younger students determined capable.
- Students may take 100 and 200 level courses

Dually enrolled students are enrolled in high school and college simultaneously.

- They may be **earning college credit only** or **dual credit**, both high school and college credit, depending on the qualifications of the person teaching the course and the high school's policy for accepting college credit.



Dual Enrollment System: K12, MUS, and MTDA



Dual Enrollment & Student Success

Compared to students who do not participate in dual enrollment, MUS dual enrollment students outperform their peers in key areas.

- 16% higher rate of first year retention (84% DE, 68% non-DE)
- Higher freshman GPA (3.1 DE, 2.8 non-DE)
- Earn more credits in their first year of college (4.1 on average).
- The benefits are independent of high school GPA, and often “B” and “C” students make larger gains than “A” students when compared to non-participating peers.

Pell-Eligible DE Students

Pell-eligible MUS dual enrollment participants perform substantially better in college than Pell-eligible non-dual enrollment participants.

- 18% higher first year retention rate (80% Pell-DE, 62% for Pell non-DE)
- Higher freshman GPA (2.8 Pell-DE, 2.6 Pell non-DE)
- Earn more credits as a freshman (31 cr. Pell-DE, 24.1 Pell non-DE)

Dual Enrollment Can Help Keep Montana Students in Montana

DUAL ENROLLMENT STUDENTS CHOOSE THE MUS:

63% of DE students choose the MUS (vs 38% of Montana high school graduates)



MUS GRADUATES CHOOSE MONTANA:

The majority of Montana residents who are first time freshmen enrolling in a Montana public higher education institution **choose to work in Montana after graduation:**

- 85% two-year graduates
- 75% four-year graduates

MT: Slow Start but Gaining Fast

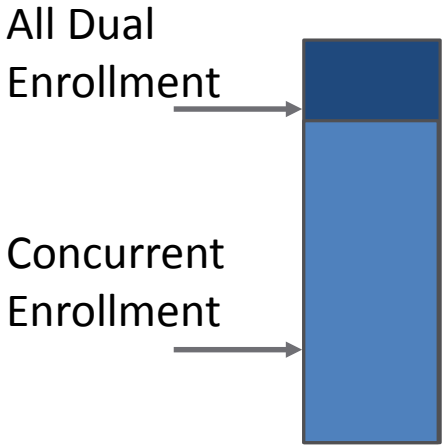
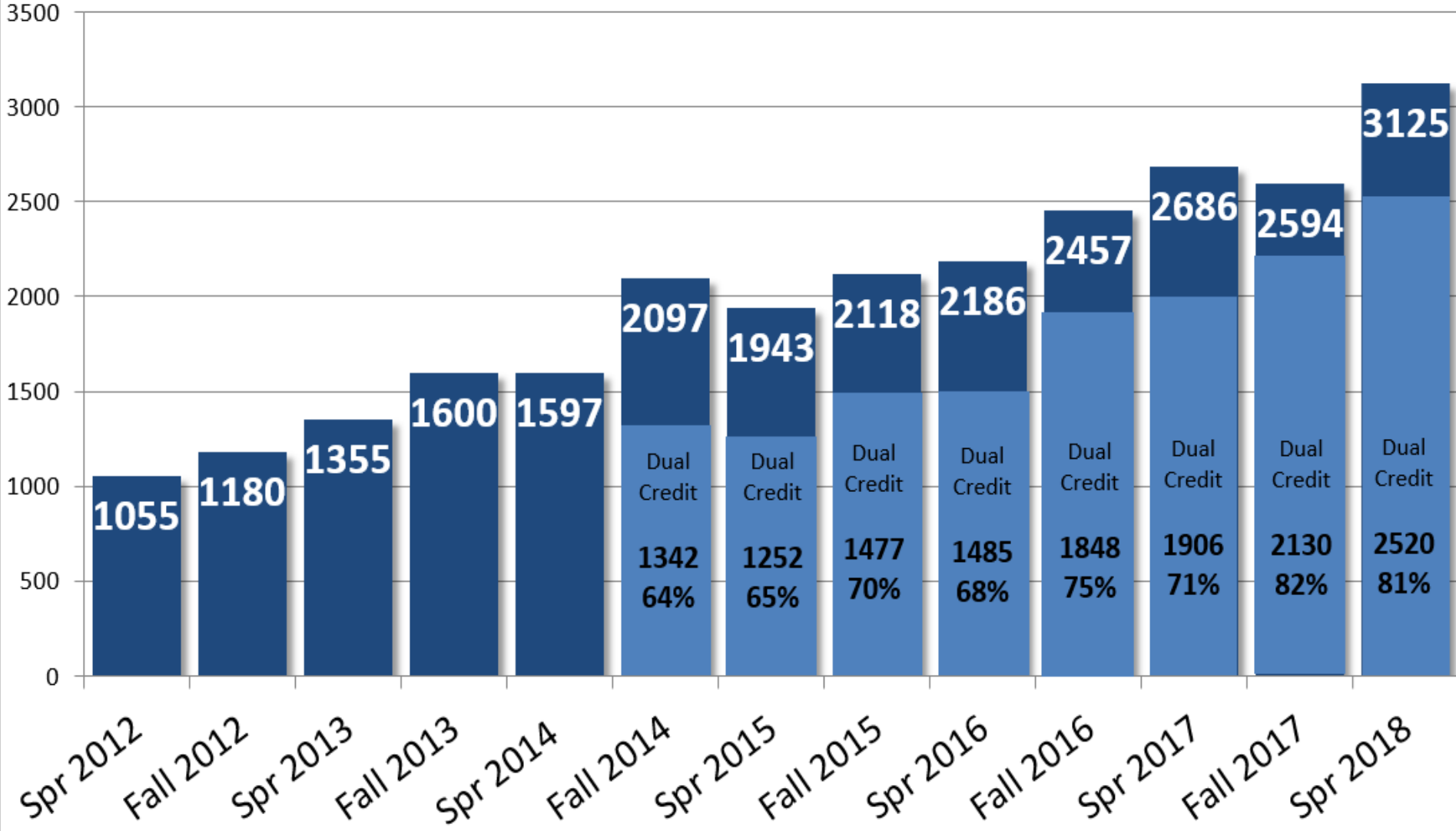
Montana is making large gains in increasing dual enrollment access and engagement for students.

- Enrollment topped 5000 students for the first time in the 2016-17 academic year and will likely approach 6000 students this academic year.
- We are growing about 20% annually on average, 3x the last reported national growth rate (~7%).
- Approximately 15-25% of eligible MT students engage in dual enrollment.
 - Iowa 55%, Indiana 50%, Utah 33-50%, Idaho 28%, Washington 47%

Increasing Access and Addressing Affordability is Driving Growth:

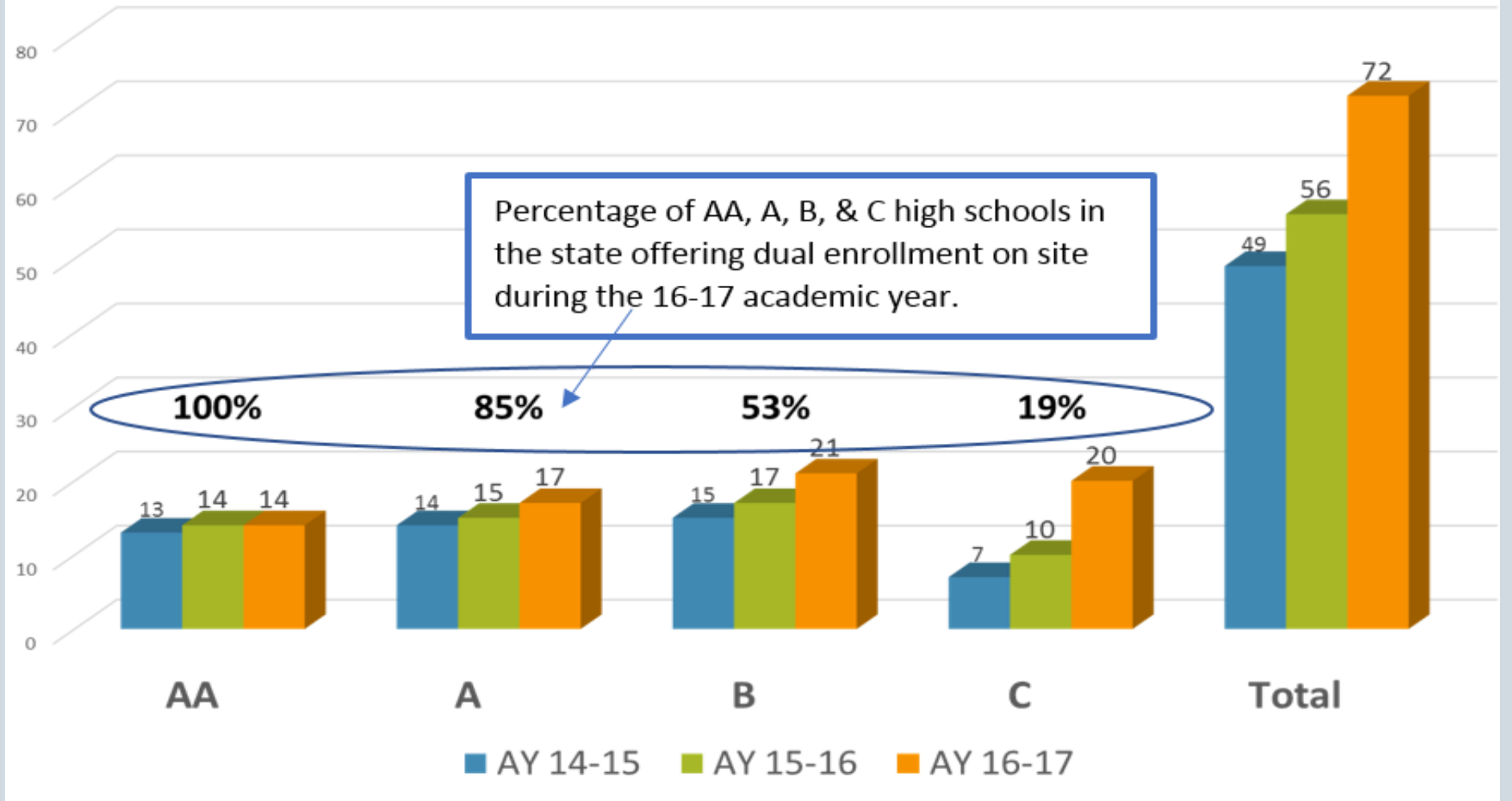
- Growing **access**
- Increasing the **number of qualified teachers**
- Expanding options through **CTE dual enrollment**
- Addressing **affordability**

Unduplicated count of high school students enrolled in at least one college course



Concurrent Enrollment Expansion and Availability by MHSA School Size

(AY 14-15 to AY 16-17)



About 78% of MT students have access to Concurrent Enrollment in their high school.

Unequal Growth

NICE WORK!

Since 2014, the number of schools offering concurrent enrollment has **grown 47%**, there **are more than 100 new concurrent enrollment teachers**, and the number of small schools (Class C) offering these courses has **more than doubled**.

REMAINING WORK!

Only ~20% of Class C schools and just 53% of Class B schools offer concurrent enrollment.

Work funded by Perkins Reserve funds and Title IIA is helping increase access for small and rural schools.

Building Qualified Concurrent Instructors:

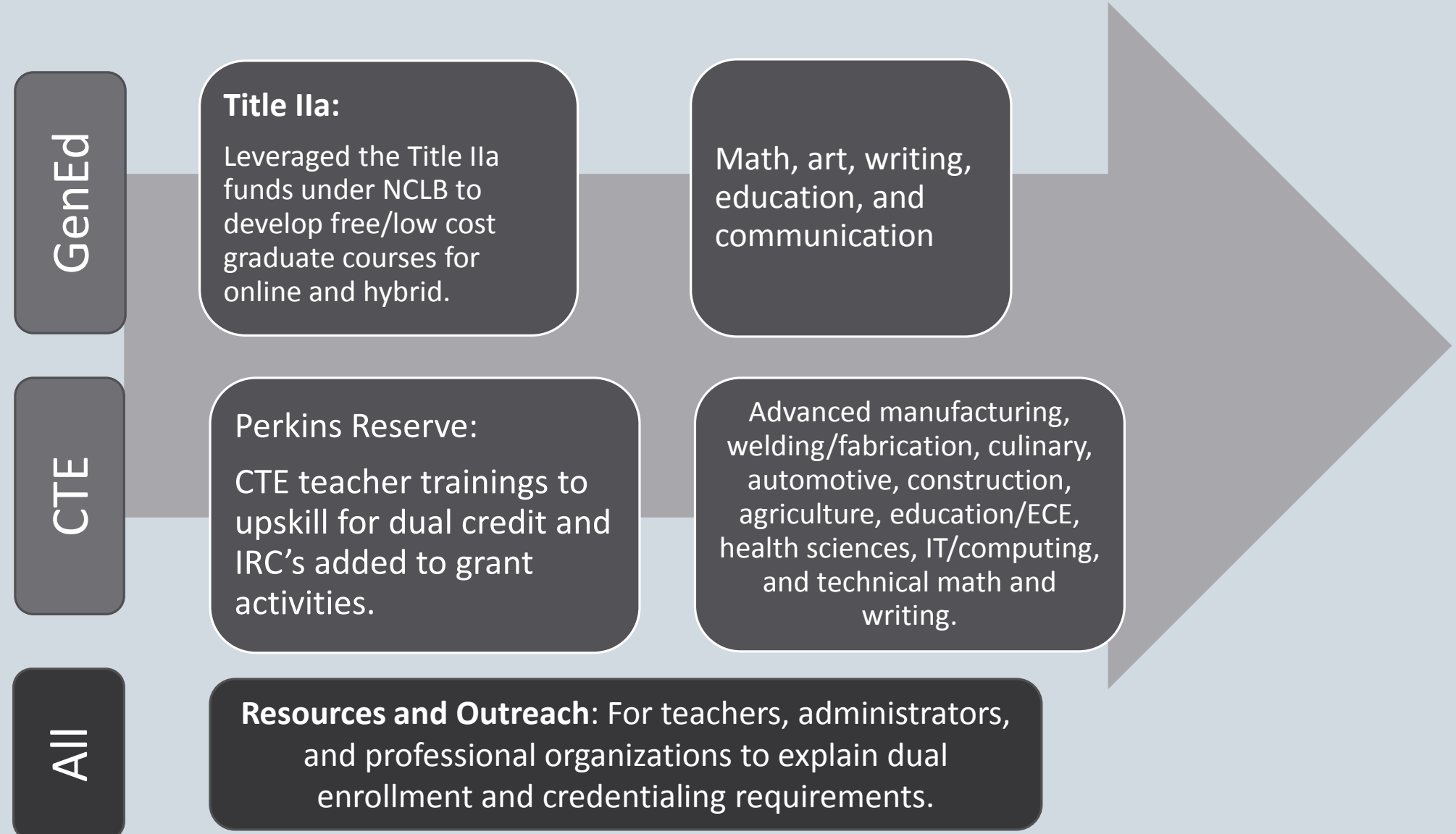


TABLE 1: Title Ila Participating Schools*

Class AA	Class A	Class B	Class C
Skyview High School	Sidney	Anaconda	Opheim
Billings Senior	Havre	Ronan	Saco
Great Falls High School	Hardin High School	Corvallis	Savage
Sentinel High School	Stevensville	Columbus	Big Sandy
Capital High School	Belgrade High School		Lambert
Billings West	Laurel		Lima High School
			Charlo high school
			Lavina Public School
			Highwood Public School
			Heart Butte
			Park City
			Chinook
6 class AA schools	6 class A schools	4 class B schools	12 class C schools

28 participants

Building Qualified Concurrent Instructors:

Supporting CTE Educators via Rural Reserve Funds

- The Perkins Rural Reserve grants assist campuses in increasing high quality CTE education statewide by allowing funds to be utilized for developing skill-building, technical trainings for aspiring concurrent instructors.

Teacher professional development covers a wide range of subject areas:

- Advanced manufacturing, welding/fabrication, culinary, automotive, construction, agriculture, education/early childhood ed., health sciences, IT/computing, and technical math and writing.

Increasing Labor-Market Alignment

CTE Dual Enrollment

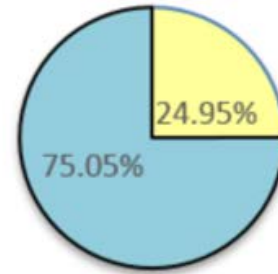
- *To Increase:*
- *Student career exploration and engagement*
- *College and career readiness*
- *Career insight relevant to Montana*

CTE Dual Enrollment Aligned with Industry Needs

- **Health Science:** *Med Terms, EMT, Human Form and Function, Basic Human Biology, Basic Anatomy, Math with Healthcare Applications*
- **Manufacturing:** *CNC Milling, Welding and Fabrication, Basic Rigging, Industrial Safety, CAD, Solidworks, Technical Drafting, Industrial Safety for Welding, Cutting Processes*
- **Computing:** *Joy and Beauty of Computing, Joy and Beauty of Big Data, Intro to Programming, Programming with Java, Website Development, Fundamentals of CS, etc.*
- **Education:** *Teaching & Learning, Intro to Education, Human Growth and Development, Child Development, Abnormal Psychology*
- **Business & Finance:** *Intro to Business, Accounting, Microeconomics, MS Excel, Quickbooks, Business Math, Professional Communications*

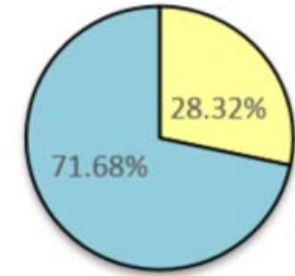
EXPANDING WORKFORCE- ALIGNED OPTIONS

MUS 2014-2015
Total Enrollment 4013



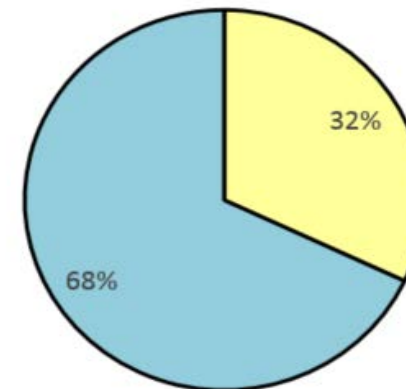
- 2014-15 CTE Enrollment
- 2014-15 GenEd Enrollment

MUS 2015-2016
Total Enrollment 4304



- 2015-16 CTE Enrollment
- 2015-16 GenEd Enrollment

CTE vs. GenEd Enrollment in the MUS
2016-2017
Total Enrollment 5143



- 2016-17 CTE Enrollment
- 2016-17 GenEd Enrollment

Expanding Options via CTE Courses

- In addition to increasing the number of students taking all dual enrollment courses the proportion of those enrollments CTE-Career & Technical Education-courses has grown **steadily from 25% to 32% over the past three academic years.**
- Between AY 2014-15 and 2016-17 the number of sections of CTE dual credit courses offered in high schools nearly doubled (from 109 sections to 215, last academic year).
- Importantly, areas of CTE course expansion are **aligned with workforce needs** in many areas and include health care, manufacturing, IT/computing, and business.

Increasing Affordability

Free and Discounted Tuition

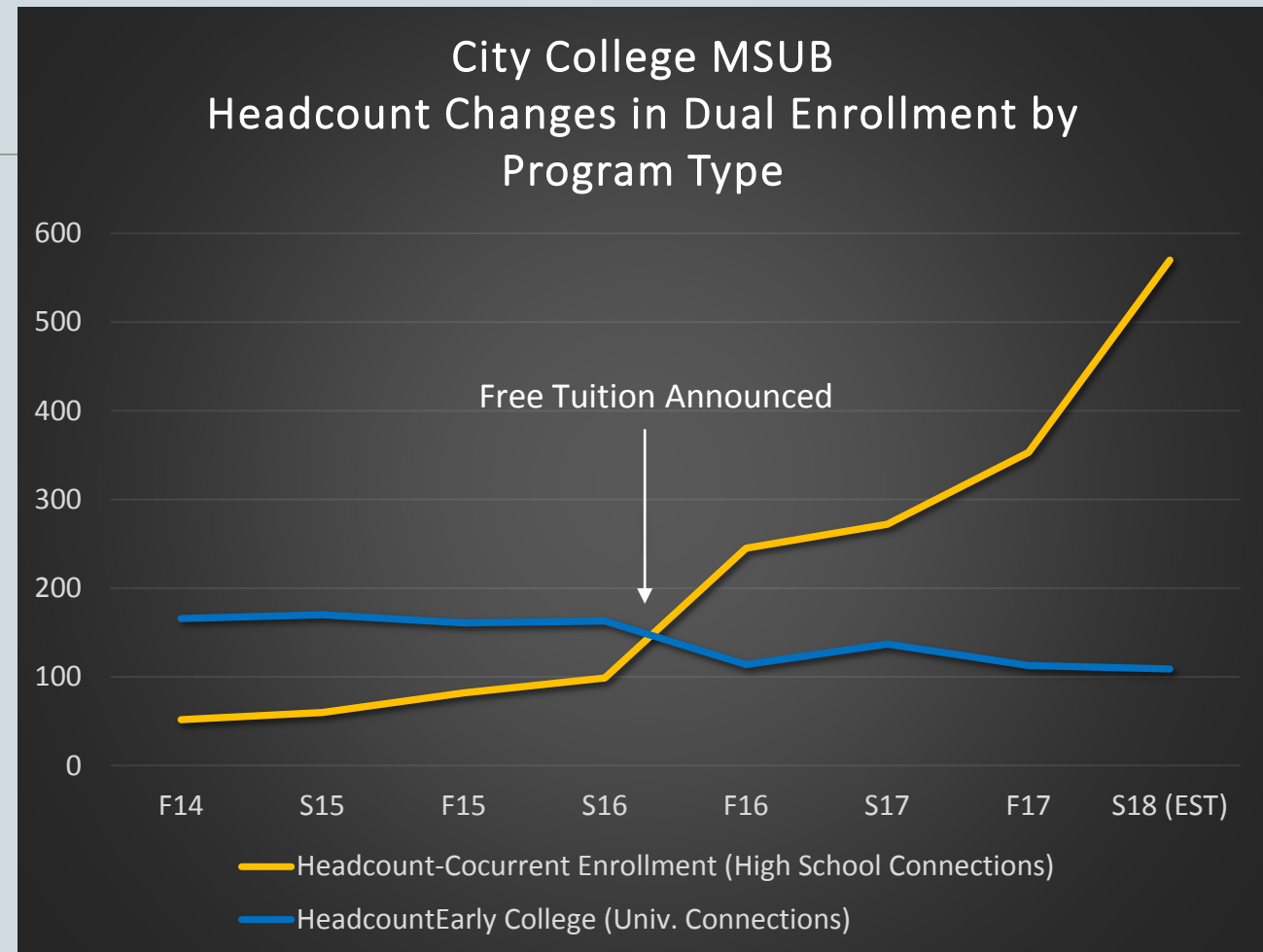
- **City College**-free tuition for dual credit (taught in high school)
- **Miles CC**-free tuition for dual credit (taught in high school)
- **Dawson CC**-free tuition for dual credit (taught in high school)
- **FVCC**-First 6 credits free for Lincoln and Flathead Co. residents
- **UMW and MSUN**-decreased tuition to keep classes affordable (from ~\$90/cr. to \$50/cr.)

Affordability

City College-MSU Billings

Free Tuition: Students taking concurrent enrollment (dual enrollment courses on-site at their high school) through City College MSUB have their tuition waived.

- Partner schools: SD2 (West, Senior, Skyview, Career Center), Billings Central, Columbus, Hardin, and Laurel.
- One year pilot, extended at least one additional year.



Affordability: State Models

Three Basic Approaches:

- Student/parent pays (MT, ND, NH, CT, ~20 others)
- Money follows the student from secondary to postsecondary or vice versa (WY, IA, CO, FL)
- Legislative appropriations fund special projects to cover tuition (GA, ID, LA, NM, NC)

<http://ecs.force.com/mbdata/MBQuestNB2?Rep=DE1504>