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

Dual enrollment is the broad term for opportunities for high school students to take college courses while still enrolled in high school.

Concurrent Enrollment
College course taught at a high school by qualified college faculty, or more often, a high school instructor.

Type of credit:
- Dual Credit
- College and High School Credit

Early College
The college course is taught, typically on campus or online, by a college faculty member to a class that includes college students and dual enrollment students.

Type of credit:
- Dual Credit
- College and High School Credit

Type of credit:
- Only College Credit

Credit by exam for prior learning
- AP
- IB
- CLEP
Dual Enrollment System: K12, MUS, and MTDA

State Approp

DE Course taught by HS teacher = concurrent enrollment
DE Course taught by college faculty = early college
Both can be delivered face-to-face or online
HS credit only course taught by HS teacher through MTDA

Teacher teaches SOCI 101 in HS for dual credit through Helena College ("concurrent enrollment")

Helena College

HHS student physically attends Helena College for WRIT 101 for dual credit ("early college")

Boulder High School

MTDA hires teacher to teach SOCI 101 course online

MTDA hires teacher to teach online Algebra 2 class

City College

Focus question: Would this concern benefit from LEG action or attention?

Laurel High School

Issues/concerns:
• Access (geographic or tech barriers)
• Access (financial barriers for student)
• Access (paperwork barriers for districts)
• Class 8 licensure for college faculty
• Navigability of "system" (branding/terminology; class availability and cost)
• MTDA role

Helena High School

HHS student physically attends Helena College for WRIT 101 for dual credit ("early college")
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**
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:

**Title IIa:**
Leveraged the Title IIa funds under NCLB to develop free/low cost graduate courses for online and hybrid.

**Perkins Reserve:**
CTE teacher trainings to upskill for dual credit and IRC’s added to grant activities.

**Math, art, writing, education, and communication:**
Advanced manufacturing, welding/fabrication, culinary, automotive, construction, agriculture, education/ECE, health sciences, IT/computing, and technical math and writing.

**Resources and Outreach:**
For teachers, administrators, and professional organizations to explain dual enrollment and credentialing requirements.
<table>
<thead>
<tr>
<th>Class AA</th>
<th>Class A</th>
<th>Class B</th>
<th>Class C</th>
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<tbody>
<tr>
<td>Skyview High School</td>
<td>Sidney</td>
<td>Anaconda</td>
<td>Opheim</td>
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<td>Billings Senior</td>
<td>Havre</td>
<td>Ronan</td>
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<tr>
<td>Great Falls High School</td>
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<td>Capital High School</td>
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<td>6 class AA schools</td>
<td>6 class A schools</td>
<td>4 class B schools</td>
<td>12 class C schools</td>
</tr>
</tbody>
</table>

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
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.

![Graph showing City College MSUB headcount changes in dual enrollment by program type](image-url)
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)