Dual Credit Dashboard Manual

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Purpose

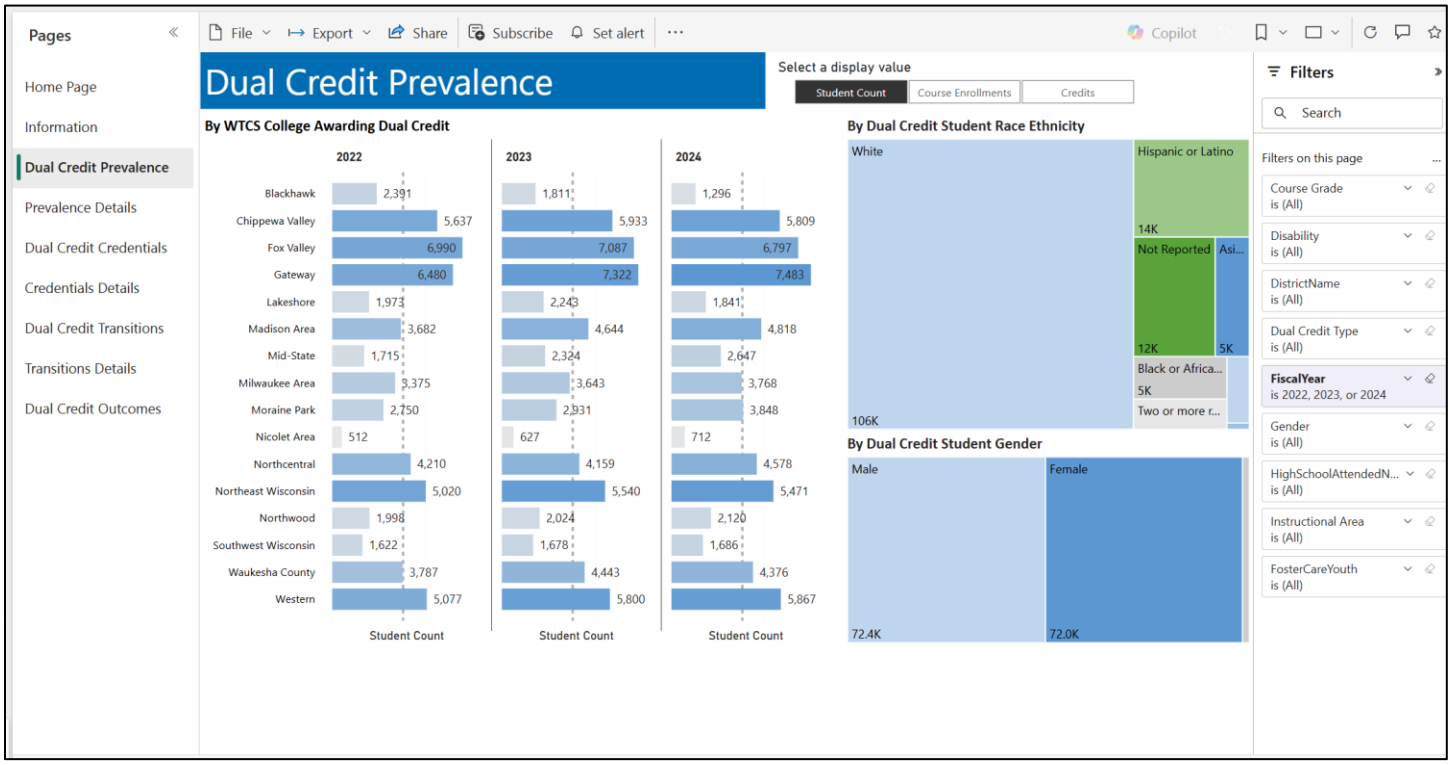
The Dual Credit Student Success Dashboard offers a summary of key performance indicators (KPIs) including prevalence, credentials, transitions, and post-secondary outcomes. It summarizes data by student populations (e.g., disability, economic disadvantage) to identify performance gaps. The dashboard also includes college benchmarking for sharing best practices within the WTCS community, promoting dual credit student success locally and statewide.

Dashboard Features

Across the dashboard, there are filters in the filter pane that will update all visuals on the page. If you select elements within a visual, the other visuals on the page will also filter for just that selected information.

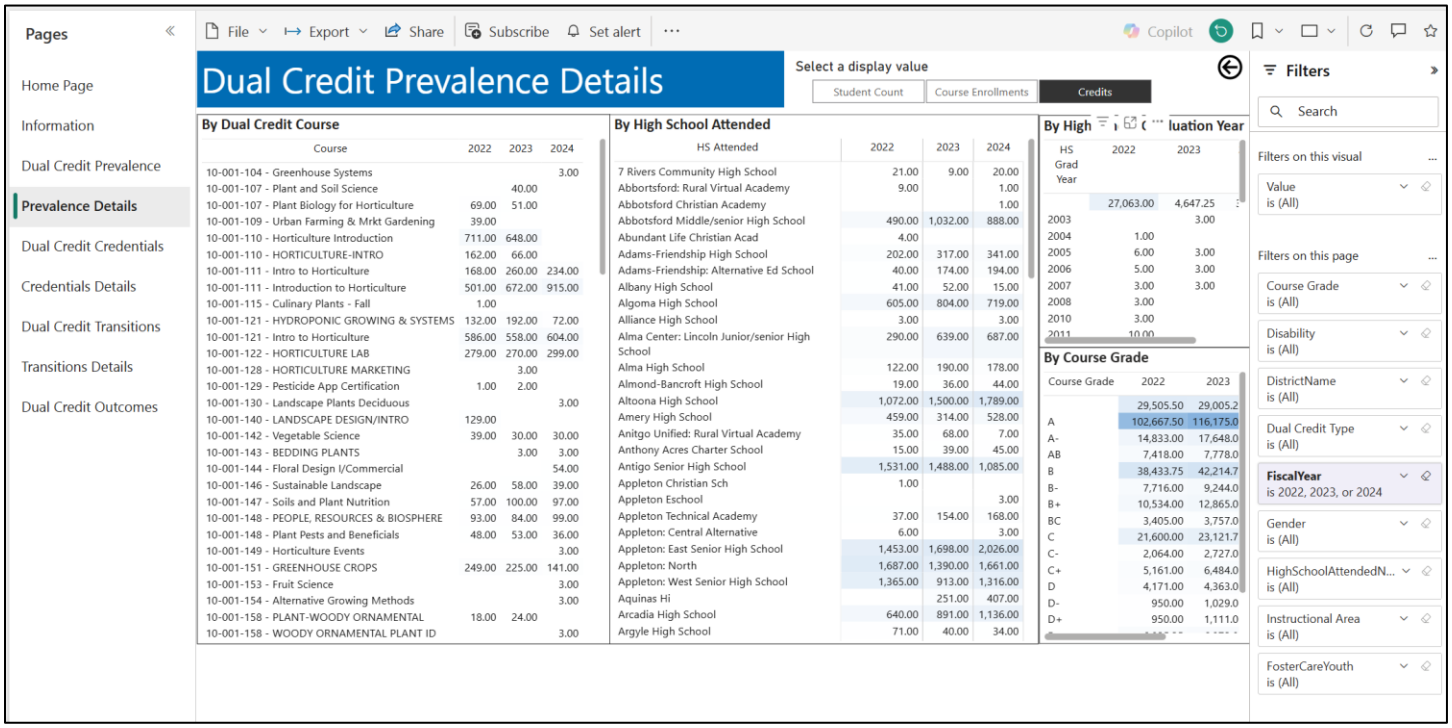
Dual Credit Prevalence Page

- On this page, you can use the buttons at the top right to select that value you want displayed: dual enrollment student count, the number of dual credit course enrollments, or the number of dual credits.
- In the left bar plot, this shows the information broken out by college. The dashed line in this visual shows the average overall for all colleges and fiscal years that are displayed.
- In the top right treemap, this shows the information broken out by student race and ethnicity.
- In the bottom right treemap, this shows the information broken out by student gender.



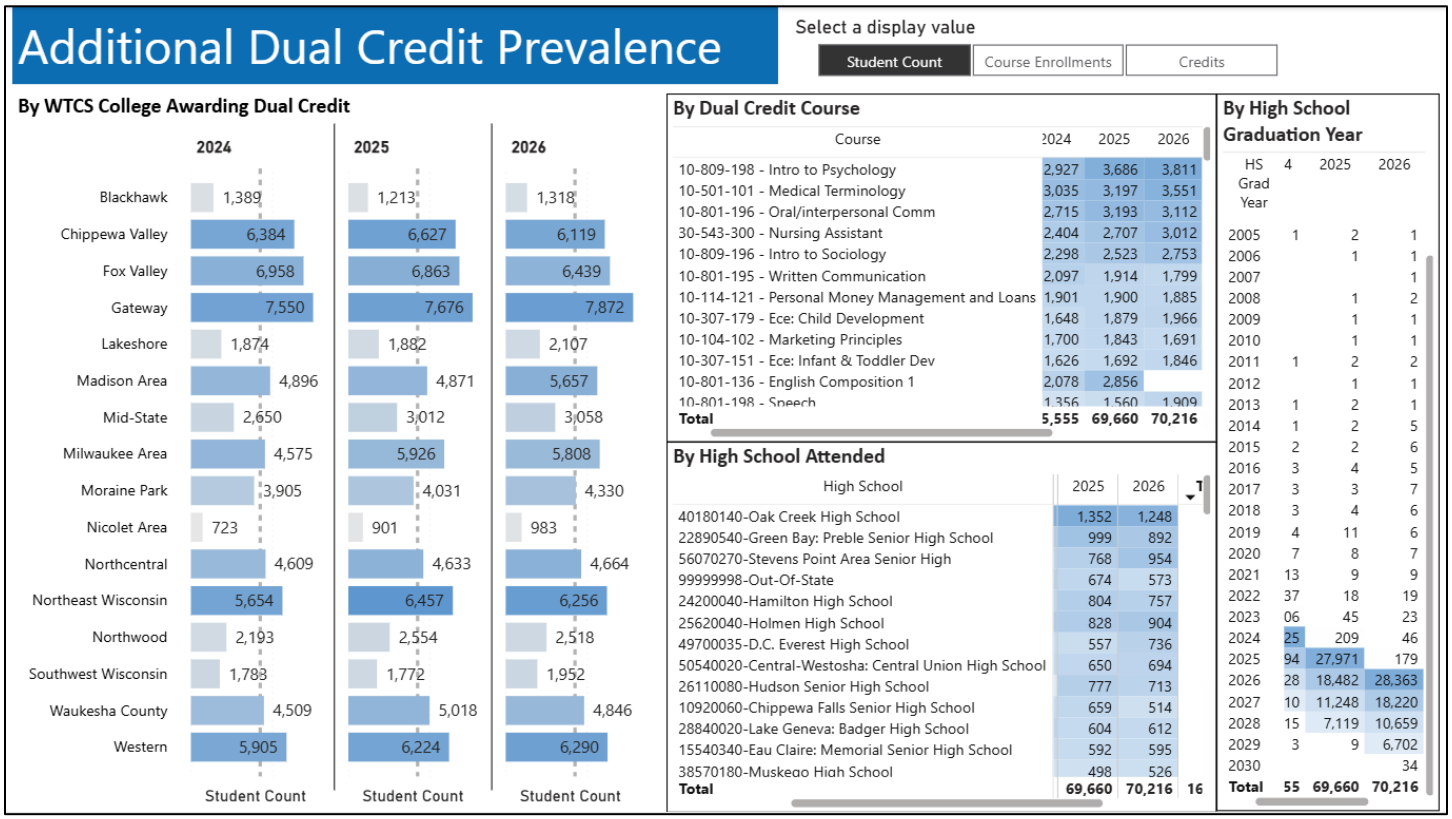
Prevalence Details Page

- On this page, you can use the buttons at the top right to select that value you want displayed: dual enrollment student count, the number of dual credit course enrollments, or the number of dual credits.
- The matrices then show the information broken out by:
    - Dual Credit Course,
    - The high school the dual credit student attended,
    - High school graduation year,
    - And course letter grade.



Additional Dual Credit Page

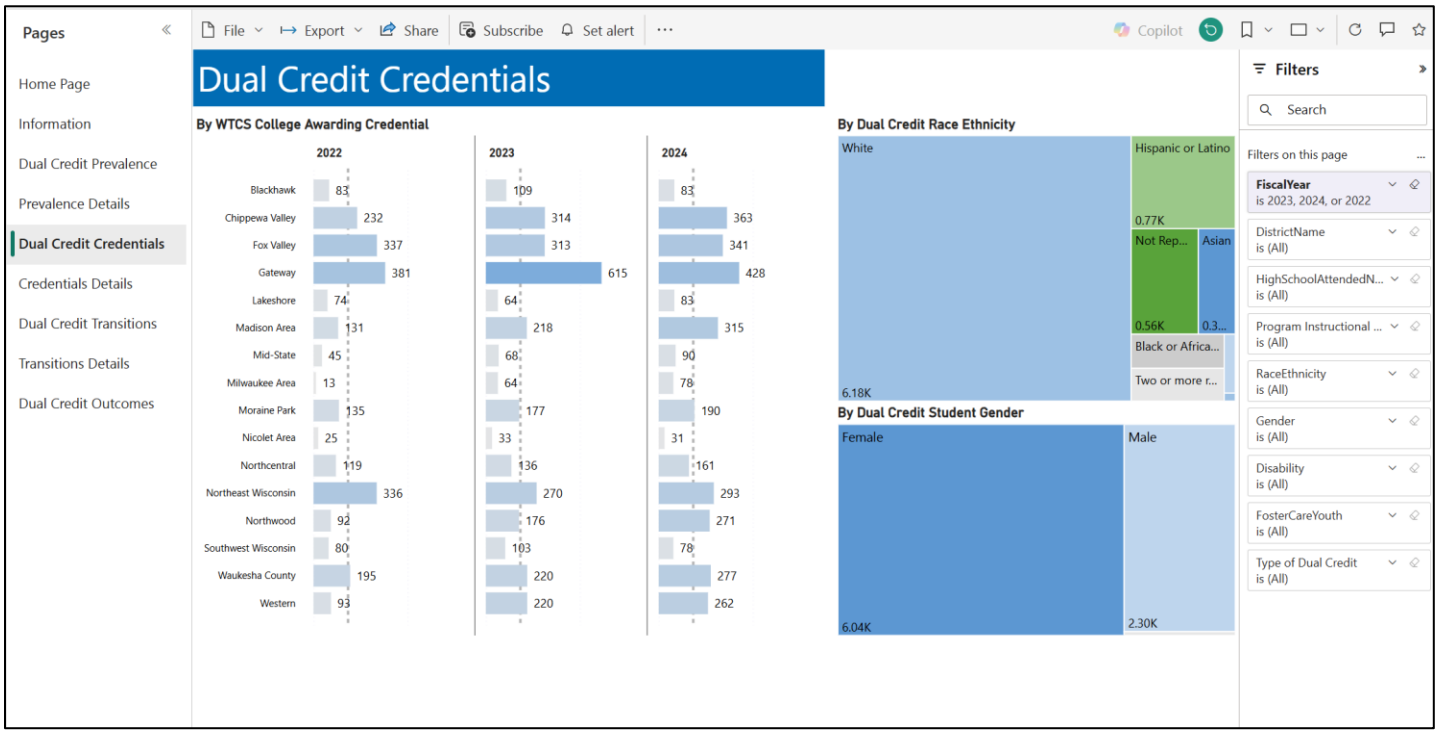
- *This is the only page in the dashboard that relaxes the definition of what is considered dual credit that is described in the business rules. On this page, the recognized credit code does include 9D standard enrollment and the high schools include high school codes that start with 9999 (e.g., GED, HSED, unknown, foreign high school, out of state, and homeschool). You can use the filters to exclude some of these options as needed.*
- On this page, you can use the buttons at the top right to select that value you want displayed: dual enrollment student count, the number of dual credit course enrollments, or the number of dual credits.
- In the left bar plot, this shows the information broken out by college. The dashed line in this visual shows the average overall for all colleges and fiscal years that are displayed.
- The matrices then show the information broken out by:
    - Dual Credit Course,
    - The high school the dual credit student attended, and
    - High school graduation year.



Dual Credit Credentials Page

This page shows the number of credentials earned via dual credit prior to high school graduation.

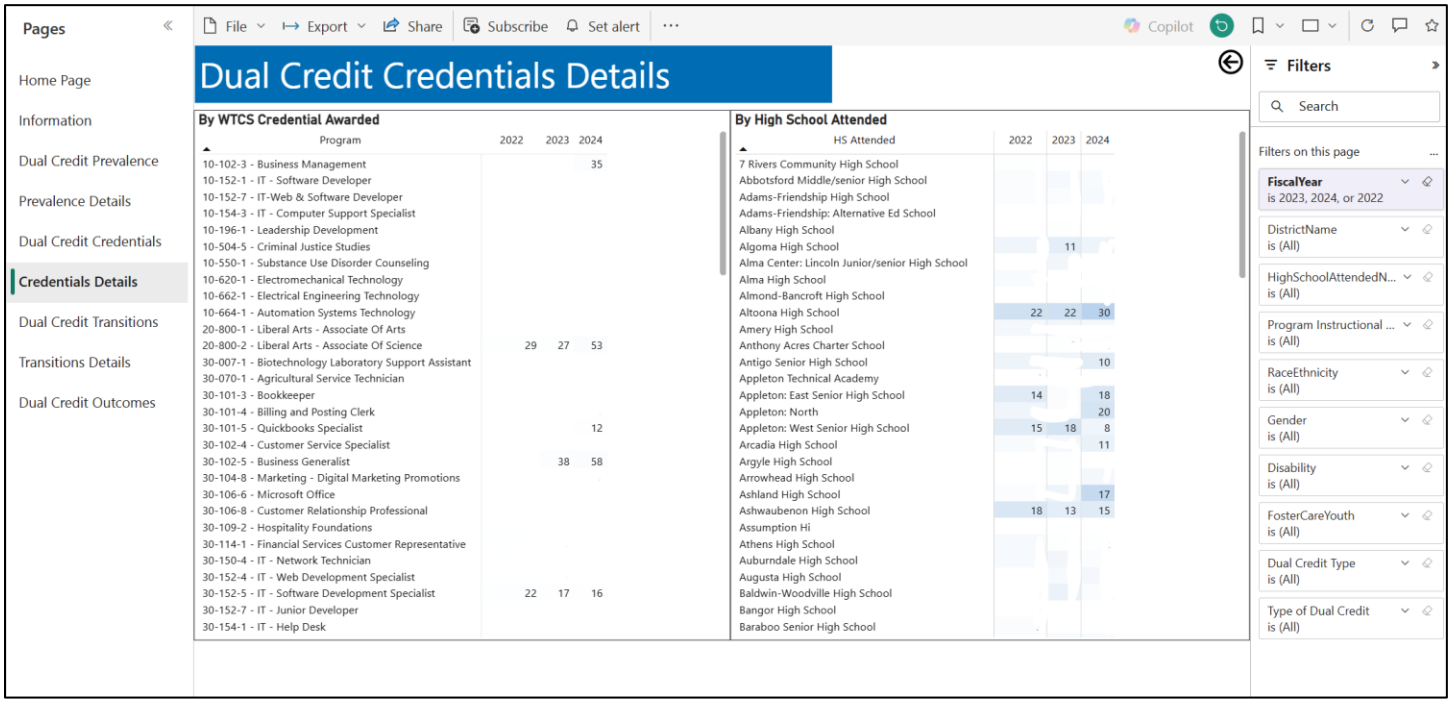
- In the left bar plot, this shows the information broken out by college. The dashed line in this visual shows the average overall for all colleges and fiscal years that are displayed.
- In the top right treemap, this shows the information broken out by student race and ethnicity.
- In the bottom right treemap, this shows the information broken out by student gender.



Credentials Details Page

This page shows the number of credentials earned via dual credit prior to high school graduation. There are two matrices. The left one summarizes the data by the credential/program that was awarded, and the right one summarizes the data by the high school the student attended.

One note – is that the total for each of these tables is for the unique number of dual credit students who complete a credential prior to high school graduation. Thus, if a student completes more than one credential, they will only be counted once in the total row and once in their respective high school row.



Dual Credit Transitions Page

On this page, you can select one or multiple high school graduations years. The page will then update to display:

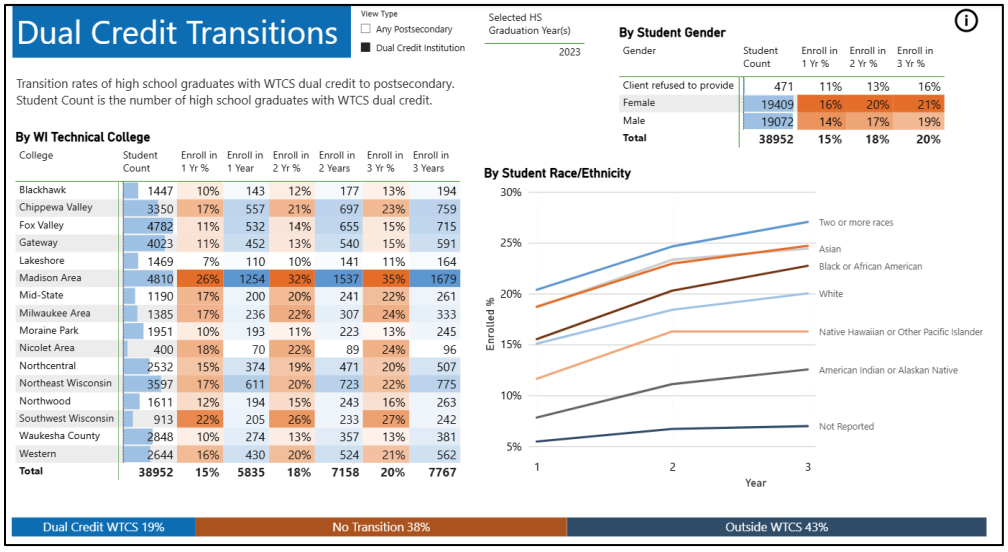
- **Student count**: the number of graduating high school students in the selected year(s) with WTCS dual credit.
- The percentage and count of these students who then enroll in postsecondary education in 1 year following high school graduation, 2 years following high school graduation and 3 years following high school graduation.
    - When **'Any Postsecondary'** is selected in the View Type, this information is for the students enrolling in any post-secondary institution. You can then use the 'Transition Type' filter to just display the information for:
        - **Outside WTCS**: students who transition to an institution outside of the WTCS
        - **Dual Credit WTCS**: students who transition to the WI Technical College that they received dual credit from
        - **Other WTCS**: students who transition to a different WI Technical College than the college that they received dual credit from
        - **No Transition**: students who do not transition to any post-secondary institution
    - When **'Dual Credit Institution'** is selected in the View Type then this information is for the students enroll in the WI technical college that awarded them with dual credit.

In the matrix on the left, this displays the information by the WI Technical College that the high school graduates received dual credit from.

In the matrix on the top right, this displays the information by student gender.

In the line graph on the bottom right, this displays the information by student race and ethnicity.

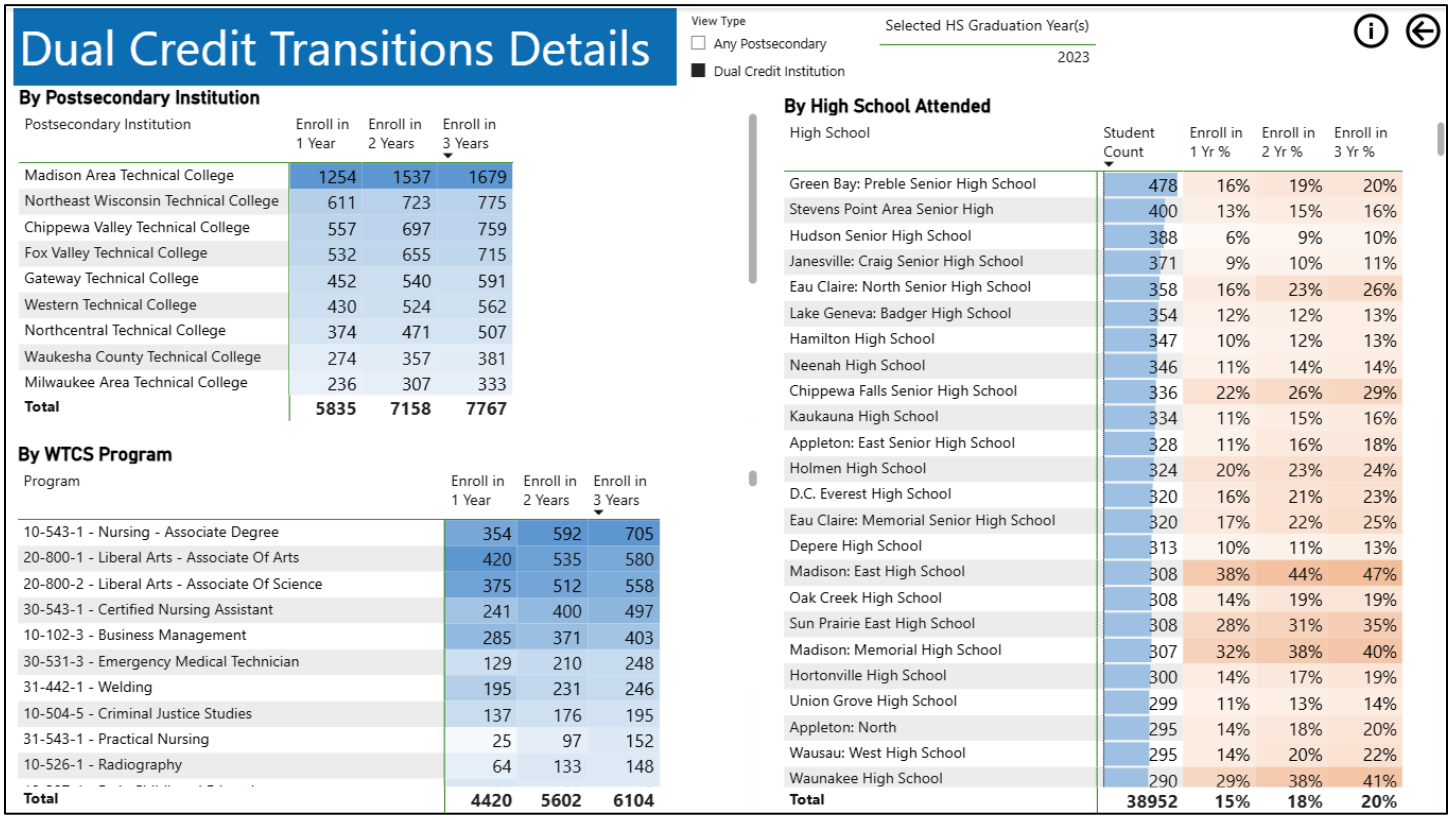
The bottom bar graph then shows an overall summary of the percent of students in each Transition Type.



Transitions Details Page

This page displays the same information, broken out by the postsecondary institution a student transitions to (top left), the WTCS program they enroll in – for students who transition to a WI Technical college (bottom left), and the high school the student attended (right).

In View Type, you can select 'Any Postsecondary' which will show the information for students who transition to any postsecondary institution, or 'Dual Credit Institution' which will show the students who transition to the WI technical college that awarded the student dual credit.



Dual Credit Transitions Details

View Type
- ☐ Any Postsecondary
- ■ Dual Credit Institution

Selected HS Graduation Year(s)
2023

By Postsecondary Institution

Postsecondary Institution	Enroll in 1 Year	Enroll in 2 Years	Enroll in 3 Years
Madison Area Technical College	1254	1537	1679
Northeast Wisconsin Technical College	611	723	775
Chippewa Valley Technical College	557	697	759
Fox Valley Technical College	532	655	715
Gateway Technical College	452	540	591
Western Technical College	430	524	562
Northcentral Technical College	374	471	507
Waukesha County Technical College	274	357	381
Milwaukee Area Technical College	236	307	333
Total	**5835**	**7158**	**7767**

By WTCS Program

Program	Enroll in 1 Year	Enroll in 2 Years	Enroll in 3 Years
10-543-1 - Nursing - Associate Degree	354	592	705
20-800-1 - Liberal Arts - Associate Of Arts	420	535	580
20-800-2 - Liberal Arts - Associate Of Science	375	512	558
30-543-1 - Certified Nursing Assistant	241	400	497
10-102-3 - Business Management	285	371	403
30-531-3 - Emergency Medical Technician	129	210	248
31-442-1 - Welding	195	231	246
10-504-5 - Criminal Justice Studies	137	176	195
31-543-1 - Practical Nursing	25	97	152
10-526-1 - Radiography	64	133	148
Total	**4420**	**5602**	**6104**

By High School Attended

High School	Student Count	Enroll in 1 Yr %	Enroll in 2 Yr %	Enroll in 3 Yr %
Green Bay: Preble Senior High School	478	16%	19%	20%
Stevens Point Area Senior High	400	13%	15%	16%
Hudson Senior High School	388	6%	9%	10%
Janesville: Craig Senior High School	371	9%	10%	11%
Eau Claire: North Senior High School	358	16%	23%	26%
Lake Geneva: Badger High School	354	12%	12%	13%
Hamilton High School	347	10%	12%	13%
Neenah High School	346	11%	14%	14%
Chippewa Falls Senior High School	336	22%	26%	29%
Kaukauna High School	334	11%	15%	16%
Appleton: East Senior High School	328	11%	16%	18%
Holmen High School	324	20%	23%	24%
D.C. Everest High School	320	16%	21%	23%
Eau Claire: Memorial Senior High School	320	17%	22%	25%
Depere High School	313	10%	11%	13%
Madison: East High School	308	38%	44%	47%
Oak Creek High School	308	14%	19%	19%
Sun Prairie East High School	308	28%	31%	35%
Madison: Memorial High School	307	32%	38%	40%
Hortonville High School	300	14%	17%	19%
Union Grove High School	299	11%	13%	14%
Appleton: North	295	14%	18%	20%
Wausau: West High School	295	14%	20%	22%
Waunakee High School	290	29%	38%	41%
Total	**38952**	**15%**	**18%**	**20%**

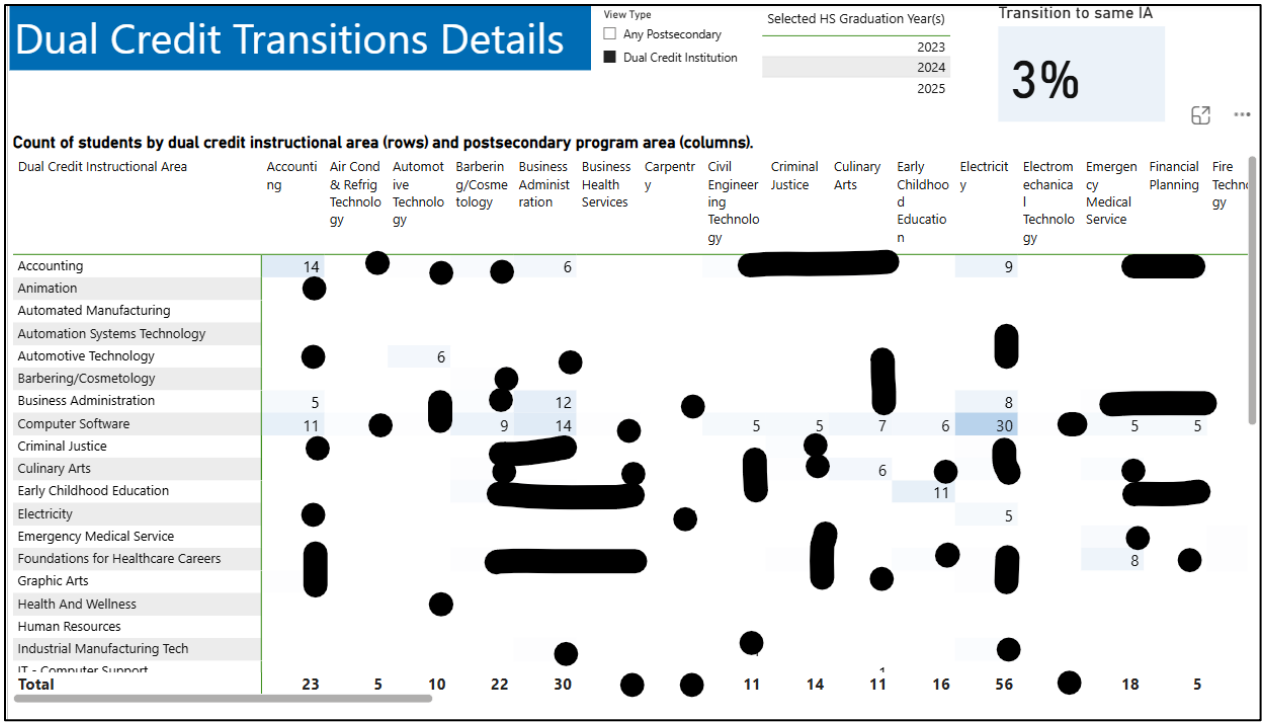
Transition to Same Pathway

This page displays information to help with the Perkins Career Prep grant goal of students transitioning into their same career pathway. In View Type, if 'Any Postsecondary' is selected than this will include students who remain within our System, but not necessarily at the technical college that awarded them dual credit and if 'Dual Credit Institution' is selected, this will only include students who transition to the college that awarded them dual credit.

Transition to same IA (instructional area) displays the percent of students who enroll in a WTCS program that has an instructional area that matches any of the instructional areas from their dual credit courses. You can select specific dual credit instructional areas in the filter or in the matrix (select a row) and this will update the 'Transition to same IA' just for students who enrolled in dual credit in that specific instructional area.

The matrix then displays the count of students who enrolled in each dual credit instructional area (rows) and each postsecondary program instructional area (columns). Power BI does appear to have a limit on the number of columns that can be displayed, so to see the full matrix, you can select the '…' in the upper right corner of the visual for more options and 'Export data'. If you then wanted to estimate this information at the Career Cluster level, you can use the 'Instruction Area and Cluster Assignment' report in the CCP / CCP Reports section of the WTCS portal (must have access to this in order to pull the information. You may need to connect with IR colleagues for this.)

The matrix displays counts for direct enrollment (1 year out of high school) whereas the 'transition to same IA' includes information for students who enroll 1-3 years after high school.

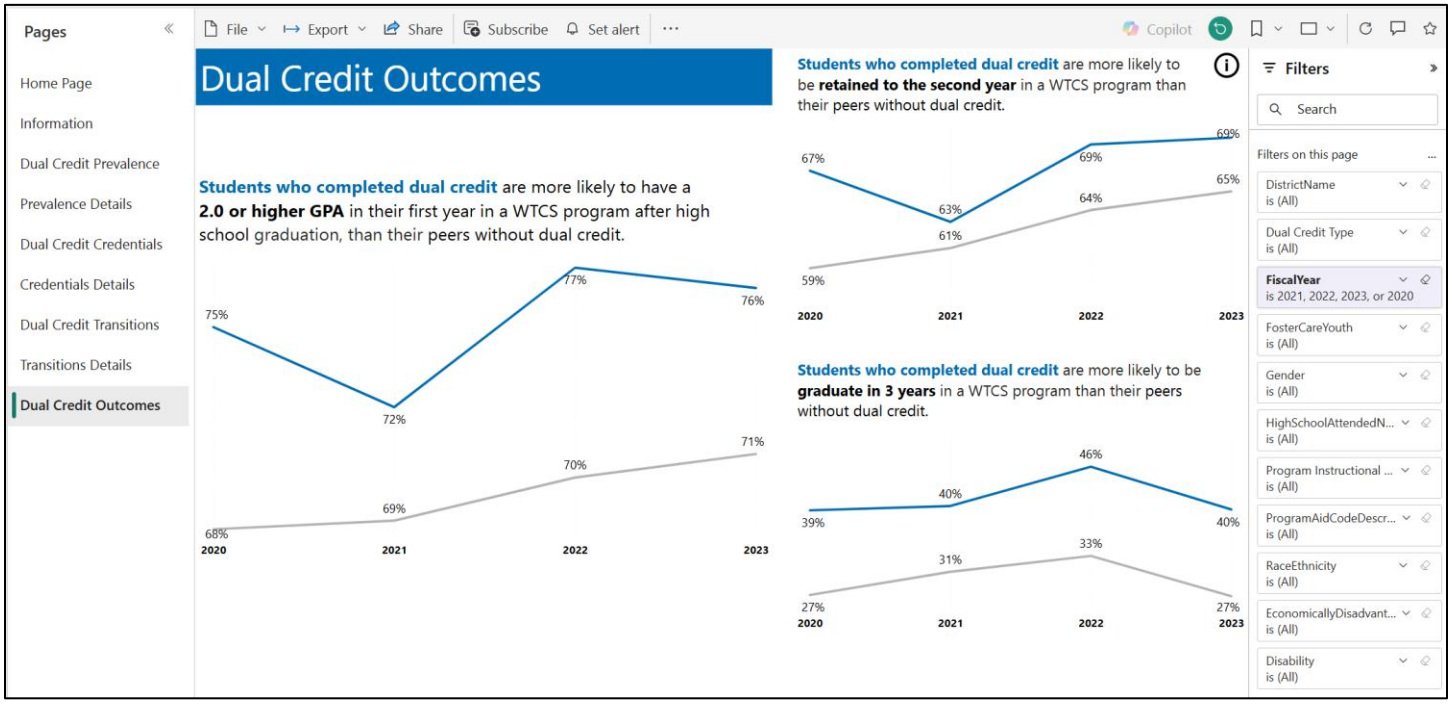


Dual Credit Outcomes Page

This page displays three success metrics for students who directly enroll in a WTCS program within one year from their high school graduation. Students represented by the blue lines completed WTCS dual credit. Students represented by the gray lines did not complete WTCS dual credit. The three success metrics are:

- The percentage of students with a 2.0 GPA or higher in their first year of their WTCS program (left)
- The percentage of students who are retained (or graduated) to the second year of their WTCS program (top right)
- The percentage of students you graduate from their WTCS program within three years (bottom right)

For full definition information, please see the Business Rules.



Business Rules

The WTCS Dual Credit Dashboard incorporates data reported through the WTCS Client Reporting System. In addition, data from the National Student Clearinghouse is incorporated into the *Dual Credit Transitions* dashboard page to assess transitions to college after high school graduation outside of the WTCS. Users of the dashboard are encouraged to view the WTCS Client Reporting Manual to understand definitions of reported data elements such as *Economically Disadvantaged*. Further, users of the dashboard are encouraged to have local discussions with staff to better understand local data collection and reporting processes. Understanding these processes may provide insight into data quality challenges that could be addressed to strengthen data integrity.

The dashboard definition of "dual credit" is the same definition used in WTCS Outcome Based Funding. For a course to be classified as dual credit, the course must:

- Be reported with one of the following Recognized Credit Codes:
    - Articulated High School Course Credit allows students to receive college recognition for high school courses identified by the WTCS district as equivalent to approved technical college courses, granted upon admission and meeting specific grade requirements.
        - 1A High School Course Credit – Articulated High School Course, *Advanced Standing*
        - 1B High School Course Credit – Youth Apprenticeship, *Advanced Standing*
    - Transcripted Credit is granted for technical college courses taught by WTCS certified high school instructors under cost neutral contracts between the technical college and high schools.
        - 8A Transcripted Credit – Articulated High School Course
        - 8B Transcripted Credit – Youth Apprenticeship
    - Institutional Credit is used to report enrollments at the technical college, taught by technical college instructors.
        - 9C Institutional Credit – Start College Now
        - 9B Institutional Credit – Youth Apprenticeship
        - 9H Institutional Credit – 38.14 Contract
- Be reported with a Course Aid Code in 10-Associate, 20-Liberal Arts, 30-Shortterm Tech, 31-One-year Tech, 32-Two-year Tech, and 50-Apprentice (all program-level courses)

In addition, the student reported in a dual credit course must:

- Be reported in either a Public or Private high school
- Be reported with any High School Last Attended except those starting with 9999 i.e., GED, HSED, etc.

Be reported with a Highest Grade Completed of 8-12 or 99/Unknown

Indicator	Definition/Calculation	Notes
Student Headcount	The unduplicated count of students enrolled in WTCS dual credit courses	Data Source: Client Reporting System
Course Enrollments	The count of course enrollments in WTCS dual credit courses	Data Source: Client Reporting System
Course Credits	The count of course credits associated with WTCS dual credit course enrollments	Data Source: Client Reporting System
Graduate Count	The unduplicated count of high school students who enrolled in WTCS dual credit and earned a WTCS approved credential prior to high school graduation	Year of High School Graduation is used to determine when a student graduates from high school. If a dual credit student is reported with a Year of High School Graduation of 2022, then the WTCS approved credential must be awarded in fiscal year 2022 or earlier. WTCS approved credentials include all credentials accepted in Client Reporting. Data Source: Client Reporting System
Credentials Awarded	The count of WTCS approved credentials awarded to WTCS dual credit students prior to high school graduation	Year of High School Graduation is used to determine when a student graduates from high school. If a dual credit student is reported with a Year of High School Graduation of 2022, then the WTCS approved credential must be awarded in fiscal year 2022 or earlier. WTCS approved credentials include all credentials accepted in Client Reporting. Data Source: Client Reporting System
High School Graduate Count with Dual Credit	The unduplicated count of high school graduates who enrolled in WTCS dual credit prior to high school graduation	Year of High School Graduation is used to determine when a student graduates from high school. If a student is reported with a Year of High School Graduation of 2022, then WTCS dual credit must be reported in fiscal year 2022 or earlier. Data Source: Client Reporting System

Indicator	Definition/Calculation	Notes
% Enroll in X Years	**Denominator:** The high school graduate count with dual credit for a high school graduation year **Numerator:** Of those in the denominator, the number who enroll in college in the WTCS or outside the WTCS within 1 year of high school graduation, within 2 years of high school graduation, or within 3 years of high school graduation	Enrollment in college is assessed on a fiscal year basis. For example, if a WTCS dual credit student is reported with a Year of High School Graduation of 2022, then 1-year transitions will assess college enrollment for fiscal year 2023 and 2-year transitions will assess college enrollment for fiscal year 2023 or 2024. College enrollment includes enrollment in the WTCS or enrollment verified through a data match in the National Student Clearinghouse System with an enrollment begin date within the assessed fiscal year. Data Source: Client Reporting System and National Student Clearinghouse System
1st Year GPA in a WTCS Program	Cumulative GPA across courses that include course aid codes 10-Associate, 20- Liberal Arts, 30-Shortterm Tech, 31-One-year Tech, 32-Two-year Tech, and 50-Apprentice that have a course grade of A, A-, AB, B+, B, B-, BC, C+, C, C-, CD, D+, D, D-, DF, or F	Includes students who direct enroll into a WTCS approved credential within one year of high school graduation. Year of High School Graduation is used to determine when a student graduates from high school. Data Source: Client Reporting System
2nd Year Retention in a WTCS Program	**Denominator:** Number of program students who were enrolled in an FTE generating course during fiscal year 20XX **Numerator:** Of those in the denominator, the number of program students who completed the same program in any of the fiscal years assessed (20XX and 20XX+1) or were reported in the same program and enrolled in an FTE generating course during fiscal year 20XX+1	Includes students who direct enroll into a WTCS approved credential within one year of high school graduation. Year of High School Graduation is used to determine when a student graduates from high school. Data Source: Client Reporting System
3rd Year Completion in a WTCS Program	**Denominator:** Number of program students who were enrolled in an FTE generating course during fiscal year 20XX **Numerator:** Of those in the denominator, the number of program students who graduated from the same program in any of the fiscal years assessed (20XX, 20XX+1, and 20XX+2)	Includes students who direct enroll into a WTCS approved credential within one year of high school graduation. Year of High School Graduation is used to determine when a student graduates from high school. Data Source: Client Reporting System

Frequently Asked Questions

What timeframe does a fiscal year cover?

Fiscal year is a term that is presented throughout the dashboard pages. A fiscal year generally encompasses one set of summer, fall, and spring terms. For example, fiscal year 2022 is July 1, 2021 through June 30, 2022, which includes Summer 2021, Fall 2021, and Spring 2022.

How is data accounted for if a student attended multiple high schools in one year and enrolled in multiple dual credit courses at each high school?

Data related to the high school a student attends is captured through the High School Attended field in Client Reporting. A student enrolled in dual credit who is reported by a WTCS college can be reported with one high school attended. As described in the WTCS Client Reporting Manual, colleges should report the most recent high school attended by the college.

On the Dual Credit Prevalence page, there is a "Select a display value" button. Based on the button selection, presented data will include course enrollments, course credits, and student headcount. What are the differences between these three?

Each of these options relate to participation in dual credit courses. Course enrollments will present the number of dual credit courses enrolled. Course credits will present the number of credits associated with dual credit course enrollment. Student headcount will present the unduplicated number of students enrolled in dual credit courses.

Sometimes our college will process program graduations late. We may have students who completed the Nursing Assistant technical diploma in the spring semester, but it isn't processed and reported until the following summer semester. How will this impact the data presented on the Dual Credit Credentials page?

The Dual Credit Credentials page provides the number of WTCS approved credentials awarded to high school dual credit students prior to high school graduation. If a dual credit student has a high school graduation year of 2020, and a credential for the student isn't processed and reported until the 2021 fiscal year, then the credential will not populate on the Dual Credit Credentials page. In this example, the awarded credential must be reported in fiscal year 2020 or earlier.

Our college has not consistently reported the Year of High School Graduation data element in Client Reporting. How will this impact the data presented on the dashboard?

As described in the WTCS Client Reporting Manual, the Year of High School Graduation is the year that the student graduated or will graduate from high school. There are multiple filters on the dashboard for high school graduation year. If a student is not reported with a Year of High School Graduation, then they will not populate on the dashboard when that high school graduation year is selected in a filter. This is especially impactful on the Dual Credit Transitions page, which isolates a group of dual credit students based on high school graduation year and tracks them three years out to assess transitions into postsecondary education.

On the Dual Credit Transitions page, are the students who enroll in postsecondary the 1st year after high school graduation counted in the 2nd and 3rd year out counts?

Yes. As presented in the below image from the dashboard, there were 1,737 dual credit students with a high school graduation year of 2020. 49% of this population enrolled in postsecondary education within one year i.e., the 2021 fiscal year. 55% of the population enrolled in postsecondary education within 2 years i.e., through the 2022 fiscal year. 57% of the population enrolled in postsecondary education within 3 years i.e., through the 2023 fiscal year.

College	Student Count	Enroll in 1 Yr %	Enroll in 1 Year	Enroll in 2 Yr %	Enroll in 2 Years	Enroll in 3 Yr %	Enroll in 3 Years
Blackhawk	1737	49%	849	55%	949	57%	993

How much time is required to fully assess transitions on the Dual Credit Transitions page?

Allow three fiscal years of Client Reporting data after a high school graduation year to fully assess three-year dual credit transitions. For example, the 2018 high school graduation year will require Client Reporting data for fiscal years 2019, 2020, and 2021 to fully assess three-year, dual credit transitions.

If a high school graduate with dual credit transitions to two separate colleges after high school graduation, how are they presented on the Dual Credit Transitions page?

If a student with dual credit transitions to two separate colleges after high school graduation, they will not be duplicated in the overall transition rate metrics. But when the data is disaggregated by college enrolled after high school graduation, the student will populate for each college they transition to. For example, if a student enrolls at Northeast Wisconsin Technical College and UW-Green Bay, the student will be counted only once for a transition to college but will populate for each of the two colleges in the "By Postsecondary Institution" visual on the 'Dual Credit Transitions Details' Page. This same concept applies to students who transition into multiple WTCS programs after high school graduation ("By WTCS Program" visual).