

**Connection Title:** Early college coursework completion: Percentage of high school students who enroll in and pass at least one early college course (AP, IB, or dual credit)

**Selected Descriptors:**

Curriculum Organization->Advanced Courses  
 Students, Teachers, School Personnel->Advanced Students  
 Educational Process: Societal Perspectives->College Preparation  
 Individual Development and Characteristics->College Readiness  
 Curriculum Organization->Courses  
 Curriculum Organization->Curriculum  
 Education-to-Workforce (E-W) Indicator Framework ->EQ12: Access and completion of rigorous and accelerated college preparatory coursework

**Author:** Education-to-Workforce Collaborators Group

**Location:** More Than One State

**Source for CEDS Connection Information:** Education-to-Workforce Indicator Framework (<https://educationtoworkforce.org/>)

**Description of CEDS Connection:**

This Connection identifies the CEDS elements needed to measure the percentage of high school students who enroll in and pass at least one early college course. The recommended analysis criteria are also included. This Connection supports the Education-to-Workforce Indicator Framework.

**Go Further with this Connection**

You can use this Connection with your own data system. Click on the myConnect logo to apply the elements from your shared map to this Connection.



**Data Elements**

**Metric**

**CEDS Elements:**

A. K12 -> Calendar -> Session -> School Year  
 B. K12 -> Course Section -> Course Level Type  
 C. K12 -> Course Section -> Course Section Identifier  
 D. K12 -> Course Section -> Session Type  
 E. K12 -> K12 Course -> Additional Credit Type  
 F. K12 -> K12 Course -> Advanced Placement Course Code  
 G. K12 -> K12 Course -> Course Begin Date  
 H. K12 -> K12 Course -> Course Credit Units  
 I. K12 -> K12 Course -> Course End Date  
 J. K12 -> K12 Course -> Course Identifier  
 K. K12 -> K12 Course -> Course Level Characteristic  
 L. K12 -> K12 Course -> Course Subject Abbreviation  
 M. K12 -> K12 School -> Identification -> School Identification System  
 N. K12 -> K12 School -> Identification -> School Identifier  
 O. K12 -> K12 Student -> Academic Record -> Grade Value Qualifier  
 P. K12 -> K12 Student -> Academic Record -> Student Course Section Grade Earned  
 Q. K12 -> K12 Student -> Identity -> Student Identification System  
 R. K12 -> K12 Student -> Identity -> Student Identifier  
 S. K12 -> LEA -> Identification -> Local Education Agency Identification System  
 T. K12 -> LEA -> Identification -> Local Education Agency Identifier  
 U. K12 -> SEA -> Identification -> State Agency Identification System  
 V. K12 -> SEA -> Identification -> State Agency Identifier

**Elements Not Currently in CEDS:**

**Disaggregates**

**CEDS Elements:**

A. Adult Education -> AE Student -> Status -> Low-income Status  
 B. K12 -> K12 School -> Directory -> Administrative Funding Control  
 C. K12 -> K12 School -> Directory -> Charter School Type  
 D. K12 -> K12 School -> Directory -> School Type  
 E. K12 -> K12 Student -> Demographic -> Birthdate  
 F. K12 -> K12 Student -> Demographic -> Hispanic or Latino Ethnicity  
 G. K12 -> K12 Student -> Demographic -> Military Connected Student Indicator  
 H. K12 -> K12 Student -> Demographic -> Race  
 I. K12 -> K12 Student -> Demographic -> Rural Residency Status  
 J. K12 -> K12 Student -> Demographic -> Sex  
 K. K12 -> K12 Student -> Disability -> Disability Status  
 L. K12 -> K12 Student -> Disability -> IDEA Indicator  
 M. K12 -> K12 Student -> Disability -> Primary Disability Type  
 N. K12 -> K12 Student -> Disability -> Section 504 Status  
 O. K12 -> K12 Student -> Disability -> Status End Date  
 P. K12 -> K12 Student -> Disability -> Status Start Date  
 Q. K12 -> K12 Student -> Discipline -> Disciplinary Action End Date  
 R. K12 -> K12 Student -> Discipline -> Disciplinary Action Start Date  
 S. K12 -> K12 Student -> Discipline -> Disciplinary Action Taken  
 T. K12 -> K12 Student -> Economically Disadvantaged -> Eligibility Status for School Food Service Programs  
 U. K12 -> K12 Student -> English Learner -> English Learner Status

**Elements Not Currently in CEDS:**

V. K12 -> K12 Student -> English Learner -> Program  
 Participation Exit Date  
 W. K12 -> K12 Student -> English Learner -> Program  
 Participation Start Date  
 X. K12 -> K12 Student -> Homeless -> Homeless Serviced  
 Indicator  
 Y. K12 -> K12 Student -> Homeless -> Homelessness Status  
 Z. K12 -> K12 Student -> Homeless -> Status End Date  
 AA. K12 -> K12 Student -> Homeless -> Status Start Date  
 AB. K12 -> K12 Student -> IDEA -> Program Participation Exit  
 Date  
 AC. K12 -> K12 Student -> IDEA -> Program Participation Start  
 Date  
 AD. K12 -> K12 Student -> Individualized Program -> Student  
 Support Service Type  
 AE. K12 -> K12 Student -> Language -> ISO 639-3 Language  
 Code  
 AF. K12 -> K12 Student -> Language -> Language Type  
 AG. K12 -> K12 Student -> Migrant -> Migrant Status  
 AH. K12 -> K12 Student -> Migrant -> Program Participation Exit  
 Date  
 AI. K12 -> K12 Student -> Migrant -> Program Participation Start  
 Date  
 AJ. K12 -> K12 Student -> Program -> Program Participation Exit  
 Date  
 AK. K12 -> K12 Student -> Program -> Program Participation  
 Start Date  
 AL. K12 -> K12 Student -> Program -> Program Type  
 AM. K12 -> Organization -> Identification -> Organization Type

## ► Analysis Recommendations

### General Connection Information

CEDS elements are shown in ***bold/italicized*** font.

This metric is part of the Education-to-Workforce (E-W) Indicator Framework, specifically “Outcomes and milestones” which pertain to key outcomes and milestones along the E-W continuum strongly associated with people achieving economic mobility and security.

### Calculating a Response

*Metric: Percentage of high school students who enroll in and pass at least one early college course (AP, IB, or dual credit)*

Use the following CEDS elements to identify the school year:

- ***School Year*** = the most recent school year or the school year being reported, representing July 1 through June 30.

Use the following CEDS elements to determine the universe of students:??

- Pull all unique students which is determined by using a unique ***Student Identifier*** where ***Student Identification System*** = State?

Where the student:?

- is associated with a State Education Agency through the ***State Agency Identifier*** where ***State Agency Identification System*** = SEA
- is associated with a Local Education Agency through the ***Local Education Agency Identifier*** where ***Local Education Agency Identification System*** = SEA, and
- is associated with a K12 school through the ***School Identifier*** where ***School Identification System*** = SEA
- and where ***School Year*** is the school year being reported.

Narrow the list of schools to include only high schools where ***School Level*** = 02402 (High School).

From the universe of high school students, identify students who enrolled in at least one college level course.

- Pull the unique ***Course Identifier*** and/or ***Advanced Placement Course Code*** where
- ***Course Level Characteristic*** = 00574 (International Baccalaureate course), 00575 (Advanced placement course), 73048 (dual enrollment), where
- ***Course Level Type*** = College Level, and where
- ***Course Begin Date*** and ***Course End Date*** are within the school year being reported.

*\*If an instance of an AP, IB or dual credit course is taught during a specific term, use ***Course Section Identifier*** where ***Session Type*** = Semester to identify the course.*

Narrow the list of high school students who enrolled in a college level course to only those students that passed the course using the following CEDS elements:

- Pull the unique ***Course Identifier*** and/or ***Advanced Placement Course Code***, where
- ***Course Credit Units*** = Quarter, Semester, Carnegie Units, Units, Clock Hours, and where
- ***Additional Credit Type*** = Advanced Placement, Dual Credit, International Baccalaureate, and
- ***Student Course Section Grade Earned*** is Not Null, and
- ***Grade Value Qualifier*** = A, B, C or D (depending on the state’s criteria for pass/fail)

To calculate the percentage of high school students who enrolled in and passed at least one early college course (AP, IB, or dual credit), do the following:

- Count the number of students who enrolled in and passed a college level course (AP, IB, or Dual Credit)
- Count the total number of high school students
- Divide the number of high school students who enrolled in and passed a college level course (AP, IB, or Dual Credit) by the total number of high school students. Multiply by 100.

### Disaggregate by Home Language

Use the following CEDS elements to disaggregate the final set of students by Home Language:

- ***Language Type*** = Home Language; and
- ***ISO 639-3 Language Code*** ≠ Eng; and/or
- ***English Learner Status*** = Yes

### Disaggregate by Homelessness

Use the following CEDS elements to disaggregate the final set of students by Homelessness:

- ***Homelessness Status*** = Yes
- ***Homeless Serviced Indicator*** = Yes
- ***Status Start Date*** ≤ the school year being reported
- ***Status End Date*** ≥ the school year being reported

### Disaggregate by Race

Use the following CEDS elements to disaggregate the final set of students by Race:

- Filter records where ***Hispanic or Latino Ethnicity*** = No

Count, by race, where any of the following are true:

- ***Race*** = American Indian or Alaska Native
- ***Race*** = Asian
- ***Race*** = Black or African American
- ***Race*** = Native Hawaiian or Other Pacific Islander
- ***Race*** = White
- ***Race*** = Demographic Race Two or More Races

- **Race** = Race and Ethnicity Unknown

Use the following CEDS elements to disaggregate the final set of students by Hispanic or Latino Ethnicity:

- Filter records where **Hispanic or Latino Ethnicity** = Yes

### Disaggregate by Sex

*\*Note: CEDS does not have a Gender element. While Sex is not a proxy for Gender it is the closest approximation currently available.*

*\*Note: Male + Female will not always equal 100% for states that have more choices beyond male and female.*

Use the following CEDS elements to disaggregate the final set of students by Sex:

- **Sex** = Male, Female, or Not Selected

### Disaggregate by Disability Status

Use the following CEDS elements to disaggregate the final set of students by Disability Status:

Students with a Disability: A student has a disability if any of the following are true:

- **Disability Status** = Yes
- **Status Start Date** ≤ the school year being reported
- **Status End Date** ≥ the school year being reported

and/or

- **IDEA Indicator** = Yes
- **Program Participation Start Date** ≤ July 1 of the school year being reported
- **Program participation Exit Date** ≥ June 30 of the school year being reported
- **Section 504 Status** = Yes
- **Status Start Date** ≤ the school year being reported
- **Status End Date** ≥ the school year being reported

\*Section 504 Status may not apply if your state doesn't collect it.

Students without a Disability: A student does not have a disability if all of the following are true:

- **Disability Status** = No, and
- **Primary Disability Type** is null, and
- **IDEA Indicator** = No, and
- **Section 504 Status** = No

Count the number of students with a disability and the number of students without a disability.

For further analysis, disaggregate the students with a disability:

Filter records where

- **IDEA Indicator** = Yes
- **Program Participation Start Date** ≤ the school year being reported
- **Program Participation Exit Date** ≥ the school year being reported

Count, by **Primary Disability Type**, where any of the following are true:??

- **Primary Disability Type** = Autism
- **Primary Disability Type** = Deaf blindness
- **Primary Disability Type** = Deafness
- **Primary Disability Type** = Developmental delay
- **Primary Disability Type** = Emotional disturbance
- **Primary Disability Type** = Hearing impairment
- **Primary Disability Type** = Intellectual disability
- **Primary Disability Type** = Multiple disabilities
- **Primary Disability Type** = Orthopedic impairment
- **Primary Disability Type** = Other health impairment
- **Primary Disability Type** = Specific learning disability
- **Primary Disability Type** = Traumatic brain injury
- **Primary Disability Type** = Visual Impairment

### Disaggregate by Urbanicity

Use the following CEDS element to disaggregate the final set of students by Urbanicity.

- **Rural Residency Status** = Yes (indicating Rural) or No (indicating Urban)

### Disaggregate by Migrant Family Household

Use the following CEDS elements to disaggregate the final set of students by Migrant Family Household:

- **Migrant Status** = Yes, No
- **Program Participation Start Date** ≤ the school year being reported
- **Program Participation Exit Date** ≥ the school year being reported

### Disaggregate by Parental Education Level

Use the following CEDS element to disaggregate the final set of students by Parental Education Level:

- **Highest Level of Education Completed** = Determine what the highest level of education completed is for the parents/guardians of the student

### Disaggregate by English Learner

Use the following CEDS elements to disaggregate the final set of students by English Learner:

- **English Learner Status** = Yes, No
- **Program Participation Start Date** ≤ the school year being reported
- **Program Participation Exit Date** ≥ the school year being reported

### Disaggregate by School Type

Use the following CEDS elements to disaggregate the final set of students by K12 School Type:

- **Charter School Type** = School Charter or College University or NA; and
- **School Type** = Regular, Special, Career and Technical, Alternative or Reportable
- **Administrative Funding Control** = Public School, Private School, or Other
- **Organization Type** = K12 School, Education Institution

### Disaggregate by Age Group

Use the following CEDS element to disaggregate the final set of students by Age Group:

- **Birthdate** = Age as of October 1 of the school year being reported

### Disaggregate by Individuals or Family Military Status

Use the following CEDS elements to disaggregate the final set of students by Individuals or Family Military Status:

- **Military Connected Student Indicator** = Not Military, Active Duty, National Guard or Reserve, or Unknown

### Disaggregate by Justice Involvement

- Use the following CEDS elements to disaggregate the final set of students by Justice Involvement:
- **Disciplinary Action Taken** = 03088 (Juvenile Justice Referral), 03089 (Law enforcement referral), or 75000 (Placed in juvenile detention center)
  - **Disciplinary Action Start Date** ≤ the school year being reported
  - **Disciplinary Action End Date** ≥ the school year being reported

### Disaggregate by Individual with Current or Past Child Welfare Involvement

Use the following CEDS elements to disaggregate the final set of students by Individual with Current or Past Child Welfare Involvement:

- **Program Type** = 75000 (Foster Care)
- **Student Support Service Type** = 00295 (Children's protective services)
- **Program Participation Start Date** ≤ the school year being reported
- **Program Participation Exit Date** ≥ the school year being reported

### ► Related Connections

No related connections

### ► Related References

A. Title: Education-to-Workforce Indicator Framework; Source: Education-to-Workforce Indicator Framework (see <https://educationtoworkforce.org/>)

### Author's Comments/Additional Information

#### Community Feedback

Average Overall Rating:

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