

**Connection Title:** First-year program of study concentration: Percentage of students completing at least nine credits (or three courses) within a meta-major during their first year in postsecondary education

**Selected Descriptors:**

Curriculum Organization->Curriculum  
Educational Levels, Degrees, and Organizations->Postsecondary Education  
Education-to-Workforce (E-W) Indicator Framework ->EQ18: Early momentum in postsecondary education

**Author:** Education-to-Workforce Framework 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 students completing at least nine credits (or three courses) within a meta-major during their first year in postsecondary education and includes the recommended analysis criteria. 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. Postsecondary -> Course Section -> Course Level Type  
B. Postsecondary -> PS Institution -> Directory -> Office of Postsecondary Education Identifier  
C. Postsecondary -> PS Student -> Academic Record -> Credits Attempted Cumulative  
D. Postsecondary -> PS Student -> Academic Record -> Credits Earned Cumulative  
E. Postsecondary -> PS Student -> Identity -> Student Identification System  
F. Postsecondary -> PS Student -> Identity -> Student Identifier  
G. Postsecondary -> PS Student -> Institution Enrollment -> Enrollment Entry Date  
H. Postsecondary -> PS Student -> Institution Enrollment -> Enrollment Exit Date  
I. Postsecondary -> PS Student -> Institution Enrollment -> Entry Date into Postsecondary  
J. Postsecondary -> PS Student -> Institution Enrollment -> First Time Postsecondary Student  
K. Postsecondary -> PS Student -> Term Enrollment -> Academic Term Designator  
L. Postsecondary -> PS Student -> Term Enrollment -> Academic Year Designator  
M. Postsecondary -> PS Student -> Term Enrollment -> Postsecondary Enrollment Status

**Elements Not Currently in CEDS:**

**Disaggregates**

**CEDS Elements:**

A. Adult Education -> AE Student -> Status -> Low-income Status  
B. K12 -> K12 Student -> Discipline -> Disciplinary Action End Date  
C. K12 -> K12 Student -> Discipline -> Disciplinary Action Start Date  
D. K12 -> K12 Student -> Discipline -> Disciplinary Action Taken  
E. K12 -> K12 Student -> English Learner -> English Learner Status  
F. K12 -> K12 Student -> English Learner -> Program Participation Exit Date  
G. K12 -> K12 Student -> English Learner -> Program Participation Start Date  
H. Postsecondary -> Course Section -> Course Level Type  
I. Postsecondary -> PS Institution -> Directory -> Control of Institution  
J. Postsecondary -> PS Institution -> Directory -> Level of Institution  
K. Postsecondary -> PS Institution -> Directory -> Office of Postsecondary Education Identifier  
L. Postsecondary -> PS Student -> Academic Record -> Credits Attempted Cumulative  
M. Postsecondary -> PS Student -> Academic Record -> Credits Earned Cumulative  
N. Postsecondary -> PS Student -> Demographic -> Birthdate  
O. Postsecondary -> PS Student -> Demographic -> First Generation College Student  
P. Postsecondary -> PS Student -> Disability -> Disability Status  
Q. Postsecondary -> PS Student -> Disability -> Section 504 Status  
R. Postsecondary -> PS Student -> Homeless -> Homelessness Status  
S. Postsecondary -> PS Student -> Homeless -> Status End Date  
T. Postsecondary -> PS Student -> Homeless -> Status Start Date  
U. Postsecondary -> PS Student -> Institution Enrollment -> Classification of Instructional Program Code  
V. Postsecondary -> PS Student -> Institution Enrollment -> Degree or Certificate Seeking Student

**Elements Not Currently in CEDS:**

W. Postsecondary -> PS Student -> Institution Enrollment -> Enrollment Entry Date  
 X. Postsecondary -> PS Student -> Institution Enrollment -> Enrollment Exit Date  
 Y. Postsecondary -> PS Student -> Institution Enrollment -> Entry Date into Postsecondary  
 Z. Postsecondary -> PS Student -> Institution Enrollment -> First Time Postsecondary Student  
 AA. Postsecondary -> PS Student -> Language -> ISO 639-3 Language Code  
 AB. Postsecondary -> PS Student -> Language -> Language Type  
 AC. Postsecondary -> PS Student -> Status -> Military Connected Student Indicator  
 AD. Postsecondary -> PS Student -> Term Enrollment -> Academic Term Designator  
 AE. Postsecondary -> PS Student -> Term Enrollment -> Academic Year Designator  
 AF. Postsecondary -> PS Student -> Term Enrollment -> Postsecondary Enrollment Status  
 AG. Postsecondary -> PS Student -> Term Enrollment -> Postsecondary Enrollment 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 that are strongly associated with individuals achieving economic mobility and security.

This metric is a measurement for a key indicator, "First-year program of study concentration," and measures whether students who are first-year college students have attempted or completed a sufficient amount of credits toward on-time completion in their first year.

Meta-majors are those included in IHEP's Postsecondary Metrics framework: education; arts and humanities; social and behavioral sciences and human services; science, technology, engineering, and math; business and communications; health; trades. (NOTE: states may have different definitions for meta-major. Use whatever definition is applicable to your state and adjust the criteria for calculating a response as needed.)

### Calculating a Response

Use the following CEDS elements to determine the school years:

- ***Academic Year Designator*** = 2023 and ***Academic Term Designator*** = Summer, and/or
- ***Academic Year Designator*** = 2024 and ***Academic Term Designator*** = Fall, Spring, Summer

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, and
- Where the student is associated with a postsecondary institution through the ***Office of Postsecondary Education Identifier***, and
- ***Entry Date into Postsecondary*** is within the Academic Year being reported

From the universe of students, narrow the list to first-year college students using the following CEDS elements:

- ***First Time Postsecondary Student*** = Yes, and
- ***Enrollment Entry Date*** is  $\geq$  July 1 of the school being reported, and
- ***Enrollment Exit Date*** is  $\leq$  June 30 of the school year being reported

Identify which students are full-time or part-time:

- Filter records where ***Postsecondary Enrollment Status*** = Full-time, or Less than full-time but at least half-time.

Identify which students have completed at least 9 credits within a meta-major:

- ***Number of Credits Earned*** = 9
- ***Credits Earned Cumulative*** = 9
- ***Course Level Type*** = College Level
- ***Course Credit Basis Type*** = Credit associated with the student's major

Divide the number of students who are completing at least 9 credits by the total number of first-year 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***  $\neq$  Eng; and/or
- ***English Learner Status*** = Yes

### Disaggregate by Race and Ethnicity

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*** = Demographics 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 Disability Status

Use the following CEDS element(s) to disaggregate the final set of students by disability status:

Students with a Disability

- ***Disability Status*** = Yes, No; and
- ***Status Start Date***  $\leq$  Enrollment Entry Date
- ***Status End Date*** is null or  $\geq$  Enrollment Exit Date
- ***Section 504 Status*** = Yes, No
- ***Status Start Date***  $\leq$  Enrollment Entry Date
- ***Status End Date*** is null or  $\geq$  Enrollment Exit Date

### Disaggregate by Urbanicity

Use the following CEDS element(s) to disaggregate the final set of students by Urbanicity:

*\*NOTE: Urbanicity is meant to identify the school's location, not the student's residence. However, If the student is remote, then this would be the*

student's location.

- **Locale** =
  - City – Large
  - City – Midsize
  - City – Small
  - Suburban – Large
  - Suburban – Midsize
  - Suburban – Small
  - Town – Fringe
  - Town – Distant
  - Town – Remote
  - Rural – Fringe
  - Rural – Distant
  - Rural - Remote

### 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 Attendance Intensity

Use the following CEDS element to disaggregate the final set of students by attendance intensity:

- **Postsecondary Enrollment Status** = Full time, Less than full-time but at least half-time

### Disaggregate by Age Group

Use the following CEDS element(s) to disaggregate the final set of students by age group:

- **Birthdate** = Age as of the enrollment date of the school year being reported

### Disaggregate by Income Level

Use the following CEDS element(s) to disaggregate the final set of students by income level:

- **Low-income status** = Yes or No

### 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 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

### 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 Postsecondary Institution Classification

Use the following CEDS elements to disaggregate by postsecondary institution classification:

- **Control of Institution** = Public; Private, not for profit; or Private, for profit
- **Level of Institution** = Four Year, Two to Four, or Less than Two

### Disaggregate by Transfer Enrollment Status

Use the following CEDS element to disaggregate the final set of students by transfer enrollment status:

- **Postsecondary Enrollment Type** = Transfer In

### Disaggregate by Postsecondary Major

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

- **Postsecondary Program Level** = Major
- **Classification of Instructional Program Code** = the CIP code assigned to the program or course

### 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 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 Credential-seeking Status

Use the following CEDS element to disaggregate the final set of students by credential-seeking status:

- **Degree or Certificate Seeking Student** = Yes, No

### Disaggregate by First Generation College Student

Use the following CEDS element to disaggregate the final set of students by First Generation College Student:

- **First Generation College Student** = Yes or No

#### ► Related Connections

No related connections

#### ► Related References

## Author's Comments/Additional Information

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