

# Annual Report of Program Data (ARPD) Career & Technical Education (CTE) Program 2022 Data Glossary

Last Updated: 9/21/2022

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## Demand Indicators

### 1 New & Replacement Positions (State)

Definition/Description: Economic Modeling Specialists Inc. (EMSI) annual new and replacement jobs at state level. Compiles data based on Standard Occupational Classification (SOC) codes aligned to the program's Classification of Instructional Programs (CIP) codes.

State position numbers are not pro-rated.

Data Source: EMSI

### 2 New & Replacement Positions (County Prorated)

Definition/Description: Economic Modeling Specialists Inc. (EMSI) annual new and replacement jobs at county level. Compiles data based on Standard Occupational Classification (SOC) codes aligned to the program's Classification of Instructional Program (CIP) codes.

Note: It is possible for the number of new and replacement positions in the county to be higher than the state if the projection in other counties is for a loss of new and replacement positions.

County data pro-rated to reflect number of programs aligned to the SOC code and weighted by number of majors in each program/institution for programs that share SOC codes.

Data Source: EMSI

### 3 Number of Majors

Definition/Description: Count of program majors who are home-institution at your college. Count excludes students who have completely withdrawn from the semester at CENSUS.

This is an annual number. Programs receive a count of .5 for each term within the academic year that the student is a major. A maximum count of 1.0 (one) for each student.

Data Source: ODS IRO\_BASE\_UH

### 3a Number of Majors Native Hawaiian

Definition/Description: Count of program majors who are Native Hawaiian and home-institution at your college. Count excludes students who have completely withdrawn from the semester at CENSUS.

This is an annual number. Programs receive a count of .5 for each term within the academic year that the Native Hawaiian student is a major. A maximum count of 1.0 (one) for each student.

Native Hawaiian students identified by the IRO\_BASE\_UH.ETHNICITY field.

Data Source: ODS IRO\_BASE\_UH

### **3b Fall Full-Time**

Definition/Description: Percentage of majors (#3) enrolled in 12 or more credits in the college in the reporting Fall semester.

Data Source: ODS IRO\_BASE\_UH

### **3c Fall Part-Time**

Definition/Description: Percentage of majors (#3) enrolled in less than 12 credits in the college in the reporting Fall semester.

Data Source: ODS IRO\_BASE\_UH

### **3d Fall Part-Time who are Full-Time in System**

Definition/Description: Percentage of majors in #3c (enrolled in less than 12 credits in the reporting Fall semester in the institution) who are enrolled in credits in other UH institutions where their total number of credits enrolled in the UH System is equal to or greater than 12.

Data Source: ODS IRO\_BASE\_UH

### **3e Spring Full-Time**

Definition/Description: Percentage of majors enrolled in 12 or more credits in the reporting Spring semester at the institution.

Data Source: ODS IRO\_BASE\_UH

### **3f Spring Part-Time**

Definition/Description: Percentage of majors enrolled in less than 12 credits at the institution in the reporting Spring semester.

Data Source: ODS IRO\_BASE\_UH

### **3g Spring Part-Time who are Full-Time in System**

Definition/Description: Percentage of majors in #3f (enrolled in less than 12 credits in the reporting Spring semester in the institution) who are enrolled in credits in other UH institutions where their total number of credits enrolled in the UH System is equal to or greater than 12.

Data Source: ODS IRO\_BASE\_UH

## **4 SSH Program Majors in Program Classes**

Definition/Description: The sum of Fall and Spring Student Semester Hours (SSH) taken by program majors in courses linked to the program. Captured at CENSUS and excludes students who have already withdrawn (W) at this point.

Note: for programs where year-round attendance is mandatory, Summer SSH are included.

Excludes Directed Studies (99 series). Differs from MAPS as UHCC data includes Cooperative Education (93 series) as there is a resource cost to the program.

Data Source: ODS IRO\_XOVER

## **5 SSH Non-Majors in Program Classes**

Definition/Description: The sum of Fall and Spring Student Semester Hours (SSH) taken by non-program majors (not counted in #4) in courses linked to the program. Captured at CENSUS and excludes students who have already withdrawn (W) at this point.

Note: for programs where year-round attendance is mandatory, Summer SSH are included.

Excludes Directed Studies (99 series). Differs from MAPS as UHCC data Includes Cooperative Education (93 series) as there is a resource cost to the program.

Data Source: Calculated

## **6 SSH in All Program Classes**

Definition/Description: The sum of Fall and Spring Student Semester Hours (SSH) taken by all students in classes linked to the program. Captured at CENSUS. Captured at CENSUS and excludes students who have already withdrawn (W) at this point.

Note: for programs where year-round attendance is mandatory, Summer SSH are included

Excludes Directed Studies (99 series). Differs from MAPS as UHCC data Includes Cooperative Education (93 series) as there is a resource cost to the program.

Data Source: ODS IRO\_SOCAD\_UH

## **7 FTE Enrollment in Program Classes**

Definition/Description: Sum of Student Semester Hours (SSH) taken by all students in classes linked to the program (#6) divided by 30. Undergraduate, lower division Full Time Equivalent (FTE) calculated as 15 credits per term. Captured at CENSUS and excludes students who have already withdrawn (W) at this point.

Note: for programs where year-round attendance is mandatory, summer SSH are included.

Data Source: Calculated

## **8 Total Number of Classes Taught**

Definition/Description: Total number of classes taught in Fall and Spring that are linked to the program. Includes Summer classes if year-round attendance is mandatory.

Concurrent and Cross listed classes are only counted once for the primary class. Excludes Directed Studies (99 series). Differs from MAPS as UHCC data Includes Cooperative Education (93 series) as there is a resource cost to the program.

Data Source: ODS IRO\_SOCEX\_UH, IRO\_REGS\_UH

## **Demand Health**

Definition/Description: New and replacement county positions divided by graduates. Specifically:  
(Rolling 3-year Average of New and Replacement Positions (County Prorated #2)) divided by (Rolling 3-year Average of the Number of Students Achieving an AS, AAS, or Terminal Certificate (#20a, b, c or d))

Benchmark values:

- Healthy:  $\geq 1.5$
- Progressing:  $<1.5$  and  $\geq 0.5$
- Needs Attention:  $<0.5$

Scoring values:

- 2 = Healthy
- 1 = Progressing
- 0 = Needs Attention

Data Source: Calculated

## Efficiency Indicators

### 9 Average Class Size

Definition/Description: Total number of students actively registered in Fall and Spring program classes divided by classes taught (#8). Does not include students who have already withdrawn from the class by CENSUS.

Excludes Directed Studies (99 series). Differs from MAPS as UHCC data Includes Cooperative Education (93 series) as there is a resource cost to the program.

Data Source: ODS IRO\_SOCEX\_UH, IRO\_REGS\_UH

### 10 Fill Rate

Definition/Description: Total active student registrations in program classes (number of seats filled) at Fall and Spring CENSUS divided by the maximum enrollment (number of seats offered). Captured at CENSUS and excludes students who have already withdrawn (W) at this point.

Data Source: ODS IRO\_SOCEX\_UH, IRO\_REGS\_UH

### 11 FTE BOR Appointed Faculty

Definition/Description: Sum appointments (1.0, 0.5, etc.) of all BOR appointed program faculty (excludes lecturers and other non-BOR appointees). Uses the “hiring status” of the faculty member – not the teaching/work load. Uses the Employing Agency Code (EAC) recorded in the Human Resources (HR) database to determine faculty’s program home.

Data Source: ODS IRO\_OHRADJ\_UH\_IR

### 12 Majors to FTE BOR Appointed Faculty

Definition/Description: Number of majors (#3) divided by sum appointments (#11) (1.0, 0.5, etc.) of all BOR appointed program faculty. Data show the number of student majors in the program for each faculty member (25 majors to 1 faculty shown as “25”)

Data Source: Calculated

### 13 Majors to Analytic FTE Faculty

Definition/Description: Number of majors (#3) divided by number of Analytic FTE faculty (13a).

Data Source: Calculated

### **13a Analytic FTE Faculty**

Definition/Description: Calculated by sum of Semester Hours (not Student Semester Hours) taught in program classes divided by 27. Analytic FTE is useful as a comparison to FTE of BOR appointed faculty (#11). Used for analysis of program offerings covered by lecturers.

Data Source: Calculated

### **14 Overall Program Expenditures**

Definition/Description: Base operating costs derived from appropriated funds associated with the program including but not limited to personnel, supplies, travel, etc. Includes expenditures from general fund, tuition, and special fund accounts only. Excludes expenditures from extramural accounts and foundation accounts (e.g. Perkins and UH Foundation). Excludes program expenses that were charged to centralized operating budget accounts (e.g. division chair, dean-level accounts, central equipment accounts).

Data Source: Calculated (Sum of 14a, 14b and 14c)

#### **14a General Fund Expenditures**

Definition/Description: Expenditures derived from GF accounts. See item “14 – Overall Program Expenditures” above.

Data Source: College Provided

#### **14b Special Fund Expenditures Excluding Tuition and Fees**

Definition/Description: Expenditures derived from CCSF accounts. See item “14 – Overall Program Expenditures” above.

Data Source: College Provided

#### **14c Tuition and Fees Expenditures**

Definition/Description: Expenditures derived from TFSF accounts. See item “14 – Overall Program Expenditures” above.

Data Source: College Provided

### **15 Cost per SSH**

Definition/Description: Program Expenditures (#14) divided by SSH in program classes (#6).

Data Source: College Provided

## 16 Number of Low-Enrolled (<10) Classes

Definition/Description: Classes taught (#8) with nine or fewer active students at CENSUS. Excludes students who have already withdrawn (W) at this point. Excludes Directed Studies (99 series). Includes Cooperative Education (93 series) as there is a resource cost to the program.

Data Source: ODS IRO\_SOCEX\_UH, IRO\_REGGS\_UH

### Efficiency Health

Definition/Description: Uses two metrics, Class Fill Rate (#10) and Majors to FTE BOR Appointed Faculty (#12). The benchmark for each metric are calculated separately, and then the average of the two scores are used.

First indicator, Class Fill Rate:

- Healthy: 75% - 100%
- Progressing: 60% - 74%
- Needs Attention: < 60%

Second indicator, Majors to FTE BOR Appointed Faculty (also called Student/Faculty Ratio):

For programs where no capacity measures exist, the calculation is as follows:

- Healthy: 15 - 35
- Progressing: 36 – 60 or 7 – 14
- Needs Attention: 61+ or < 7

For programs where there is a mandated enrollment capacity, the calculation is as follows:

- Healthy: 75% of program capacity
- Progressing: 60% - 74%
- Needs Attention: <60%

Final health call scoring:

Assign each element a score:

- Healthy: 2
- Progressing: 1
- Needs Attention: 0

Subsequently find the average of the two scores to assign the health call for program efficiency:

- Healthy: 2
- Progressing: 1
- Needs Attention: 0

Data Source: Calculated

## Effectiveness Indicators

### 17 Successful Completion (Equivalent C or higher)

Definition/Description: Percentage of students actively enrolled in program classes at Fall and Spring CENSUS who at End Of Semester (EOS) have earned a grade equivalent to C or higher.

Data Source: ODS IRO\_SOCEX\_UH, IRO\_REGS\_UH

### 18 Withdrawals (Grade = W)

Definition/Description: Number of students actively enrolled (at this point have not withdrawn) at Fall and Spring CENSUS who at End Of Semester (EOS) have received a grade of W.

Data Source: ODS IRO\_SOCEX\_UH, IRO\_REGS\_UH

### 19 Persistence Fall to Spring

Definition/Description: Count of students who are majors in program at reporting Fall semester CENSUS and at subsequent Spring semester CENSUS are enrolled and continue to be a major in the program.

Removed from the count (both numerator and denominator) are program major students to whom a program degree (or CA if highest credential awarded) has been conferred in the reporting Fall semester.

Data Source: ODS IRO\_BASE\_UH

### 19a Persistence Fall to Fall

Definition/Description: Count of students who are majors in program at reporting Fall semester CENSUS and at subsequent Fall semester CENSUS are enrolled and continue to be a major in the program.

Removed from the count (both numerator and denominator) are program major students to whom a program degree (or CA if highest program credentials awarded) has been conferred in the first Fall, Spring, or Summer reporting term.

Data Source: ODS IRO\_BASE\_UH

### 20 Unduplicated Degrees/Certificates Awarded

Definition/Description: Unduplicated (by student) count of degrees/certificates awarded in the program. Uses most recent available freeze of fiscal year data.

Note: If a student has received an associate degree and a certificate of achievement, the unduplicated count is "one" for that student.

Data Source: ODS IRO\_DEGREE\_UH

### 20a Degrees Awarded

Definition/Description: Degrees conferred in the FISCAL\_YEAR\_IRO.

The count of degrees may show duplicate degrees received in the program by the same student if the program offers more than one degree.

Uses most recent available freeze of fiscal year data.

FISCAL\_YEAR\_IRO: "Fiscal year, where the value indicates the ending of the fiscal year. For example, a FISCAL\_YR\_IRO value of 2015 indicates the fiscal year 2014-2015 (July 1, 2014 to June 30, 2015) which includes Summer 2014, Fall 2014, and Spring 2015 semesters..."

[IRO Data Element Dictionary, LIST OF VIEWS >> IRO\_DEGREE\_UH >> FISCAL\_YR\_IRO]

Data Source: ODS IRO\_DEGREE\_UH

## **20b Certificate of Achievement Awarded**

Definition/Description: Certificates of achievement conferred in the FISCAL\_YEAR\_IRO.

The count of program certificates of achievement may show multiple certificates of achievement in the same program received by the same student.

Uses most recent available freeze of fiscal year data.

FISCAL\_YEAR\_IRO: "Fiscal year, where the value indicates the ending of the fiscal year. For example, a FISCAL\_YR\_IRO value of 2015 indicates the fiscal year 2014-2015 (July 1, 2014 to June 30, 2015) which includes Summer 2014, Fall 2014, and Spring 2015 semesters..."

[IRO Data Element Dictionary, LIST OF VIEWS >> IRO\_DEGREE\_UH >> FISCAL\_YR\_IRO]

Data Source: ODS IRO\_DEGREE\_UH

## **20c Advanced Professional Certificates Awarded**

Definition/Description: The count of program Advanced Professional Certificates may show multiple Advanced Professional Certificates in the same program received by the same student. Uses most recent available freeze of fiscal year data.

Data Source: ODS IRO\_DEGREE\_UH

## **20d Other Certificates Awarded**

Definition/Description: The count of other program certificates may show multiple certificates received by the same student. Uses most recent available freeze of fiscal year data.

Data Source: ODS IRO\_DEGREE\_UH

## **21 External Licensing Exams Passed**

Definition/Description: These data entered by the college (the same information currently collected on the Graduates and Leavers surveys). Note: Not all CTE programs have external licensing exams.

Data Source: College Provided

## 22 Transfers to UH 4-yr

Definition/Description: The number of students who are home-institution at a UH System 4-yr institution for the first time in Fall, and who were in the reporting program prior to that Fall. UH Maui College is included when students transfer from any UHCC program to a UH Maui College four year program. Number based on Fall semester only.

Note: At the college level, an individual student may count in more than one program in the event the student has had more than one major at the college. Each program/major receives the count. Therefore, adding transfers by program will exceed the unduplicated college-level transfer number reported in the Strategic Plan.

Data Source: ODS IRO\_BASE\_UH, IRO\_DEGREE\_UH

### 22a Transfers with credential from program

Definition/Description: Students included in #22 who have received a degree from the community college program prior to transfer. Does not include any certificates. Number based on Fall semester only.

Data Source: ODS IRO\_BASE\_UH

### 22b Transfers without credential from program

Definition/Description: Students included in #22 who did not receive a degree from the community college program prior to transfer. Number based on Fall semester only.

Data Source: ODS IRO\_BASE\_UH

## Effectiveness Health

Definition/Description: Uses two metrics, Unduplicated Degrees/Certificates Awarded (#20) and Persistence Fall to Spring (#19). The benchmark for each metric are calculated separately, and then the average of the two scores are used.

The first indicator is “Increasing the Number of Degrees and CAs awarded by 5% per year”, for which the calculation is the percent change of Unduplicated Degrees/Certificates Awarded from the prior year.

- Healthy: 5% or higher
- Progressing: 0 to <5%
- Needs Attention: negative percentage

The second indicator is Persistence Fall to Spring, in the same major:

- Healthy: 75% - 100%
- Progressing: 60% - 74%
- Needs Attention: < 60%

Final health call scoring:

Assign each indicator a score:

- Healthy: 2
- Progressing: 1
- Needs Attention: 0

Six possible outcomes:

- $H + H = (2+2)/2 = 2$
- $H + C = (2+1)/2 = 1.5$  (round up to 2.0)
- $H + U = (2+0)/2 = 1$
- $C + C = (1+1)/2 = 1$
- $C + U = (1+0)/2 = 0.5$  (round up to 1.0)
- $U + U = (0+0)/2 = 0.0$

Effectiveness Health Call score:

- Healthy: 2
- Progressing: 1
- Needs Attention: 0

Data Source: Calculated

## Overall Program Health

Add Health Call Scores from Demand, Efficiency, and Effectiveness. Scoring rubric for Overall Health as follows:

- Healthy: 5 - 6
- Progressing: 2 - 4
- Needs Attention: 0 - 1

## Distant Education - Completely On-line Classes

### 23 Number of Distance Education Classes Taught

Definition/Description: Measures the number of classes taught with the mode of delivery as “Distance Completely Online.”

In setting up the class, the college indicates the method of instruction used by the instructor in conducting the class. If the method is Distance Education, the college indicates the “mode” of distance delivery the class will be included in this count.

Data Source: ODS IRO\_SOCEX\_UH, IRO\_REGS\_UH

### 24 Enrollments Distance Education Classes

Definition/Description: At the Fall and Spring CENSUS, the number of student enrollments in all classes owned by the program and identified as Distance Completely On-Line (DCO) #23. Does not include students who at CENSUS have already withdrawn from the class.

The number is an unduplicated count of registrations but is a duplicated count of students. (e.g. If a student is enrolled in two DCO classes both are included in this count.)

Data Source: ODS IRO\_SOCEX\_UH, IRO\_REGS\_UH

### 25 Fill Rate

Definition/Description: Total active student enrollment in program distance education classes (#24) (number of seats filled) at CENSUS divided by the maximum enrollment (number of seats offered). Does not include students who at CENSUS have already withdrawn from the class.

Data Source: ODS IRO\_SOCEX\_UH, IRO\_REGS\_UH

### 26 Successful Completion (Equivalent C or higher)

Definition/Description: Percentage of students enrolled in program Distance Education classes (#24) at Fall and Spring CENSUS who at End of Semester (EOS) have earned a grade equivalent to C or higher.

Data Source: ODS IRO\_SOCEX\_UH, IRO\_REGS\_UH

### 27 Withdrawals (Grade = W)

Definition/Description: Number of students actively enrolled at CENSUS (#24) who at EOS (End of Semester) have received a grade of W.

Data Source: ODS IRO\_SOCEX\_UH, IRO\_REGS\_UH

## **28 Persistence (Fall to Spring Not Limited to Distance Education)**

Definition/Description: Students enrolled in program distance education classes at Fall CENSUS who at subsequent Spring semester CENSUS are enrolled in the college.

Not limited to students continuing to take distance education program classes. This measure provides college-level data to inform the question, “does DE students have lower persistence than students enrolled in non-DE classes?”

Data Source: ODS IRO\_SOCAD\_UH, IRO\_REGS\_UH

## Perkins Indicators

### 29 1P1 Postsecondary Placement

Definition/Description: Numerator: Concentrators in the year reported (Previous Perkins year) who have stopped program participation and who are placed or retained in employment, military service, or an apprenticeship program within Unemployment Insurance Quarter following program completion.

Denominator: Concentrators in the year reported (Previous Perkins year) who have stopped program participation.

Uses Perkins data from prior year Perkins Consolidated Annual Report (CAR). Data show State goal and College actual.

Data Source: Perkins Reporting Routines

### 30 2P1 Earned Recognized Postsecondary Credential

Definition/Description: Numerator: Concentrators who received a degree or certificate in a CTE program who have stopped program participation in the year reported.

Denominator: Concentrators who have stopped program participation in the year reported.

Uses Perkins data from prior year Perkins Consolidated Annual Report (CAR). Data show State goal and College actual.

Data Source: Perkins Reporting Routines

### 31 3P1 Non-traditional Program Concentration

Definition/Description: Numerator: Concentrators from underrepresented gender groups who received a degree or certificate in a program that leads to employment in non-traditional fields.\* Denominator: Concentrators who received a degree or certificate in a program that leads to employment in non-traditional fields.

\*This means that a student gets counted under this indicator if individuals from their gender comprise less than 25 percent of the individuals employed in the related occupation or field of work. Note that this indicator may not be applicable to all UHCC programs.

Uses Perkins data from prior year Perkins Consolidated Annual Report (CAR). Data show State goal and College actual.

Data Source: Perkins Reporting Routines

### 32 - 34 No Data Perkins Placeholders

Not Applicable for Perkins V. ARPD CTE Quantitative Indicators #32-#33 are intentionally left blank for 2021 due to the transition of Perkin IV.

## Performance Indicators

### 35 Number of Degrees and Certificates

Definition/Description: Number of Degrees, Certificates of Achievement, and Advance Professional Certificates in the program conferred in the fiscal year. This is a count of credentials, not students.

Data Source: ODS IRO\_DEGREE\_UH

### 36 Number of Degrees and Certificates Native Hawaiian

Definition/Description: Number of Degrees, Certificates of Achievement, and Advance Professional Certificates in the program conferred in the fiscal year to Native Hawaiian students. This is a count of credentials, not students.

Native Hawaiian students identified by the IRO\_BASE\_UH.ETHNICITY field.

Data Source: ODS IRO\_DEGREE\_UH, IRO\_BASE\_UH

### 37 Number of Degrees and Certificates STEM

Definition/Description: If the CTE program designation is STEM (Science, Technology, Engineering, or Math), the number of degrees and certificates of achievement (or higher) in the program conferred in the fiscal year will be counted. This is a count of credentials, not students.

If this is not a STEM program, the cell will show "Not STEM". List of program majors identified to be STEM can be located at

[https://www.hawaii.edu/institutionalresearch/stemMajors.action?reportId=STEM\\_MAJORS](https://www.hawaii.edu/institutionalresearch/stemMajors.action?reportId=STEM_MAJORS)

Data Source: ODS IRO\_DEGREE\_UH

### 38 Number of Pell Recipients

Definition/Description: Starting with ARPD 2017, this measure defined as:

The number of graduates in the reported fiscal year who received any Pell grant in their UH system academic career.

Data Source: ODSMGR.MTT\_ACCOUNT\_DETAIL

### 39 Number of Transfers to UH 4-yr

Definition/Description: The number of students who are home-institution at a UH System 4-yr institution for the first time in Fall, and who were in the reporting program prior to that Fall. UH Maui College is included when students transfer from any UHCC program to a UH Maui College four-year program. Number based on Fall semester only.

Note: At the college level, an individual student may count in more than one program in the event the student has had more than one major at the college. Each program/major receives the count.

Therefore, adding transfers program by program will exceed the unduplicated college-level transfer number reported in the Strategic Plan.

Data Source: ODS IRO\_BASE\_UH, IRO\_DEGREE\_UH