2009-2010 Career-Technical Education (CTE) Secondary Workforce Development Indicators of Performance Calculation Documentation



Office of Career-Technical Education

Version 1.1 – November 18, 2010

2009-2010

Career-Technical Education (CTE) Secondary Workforce Development Indicators of Performance Calculation Documentation

Key Definitions	4
Career-Technical Education (CTE)	
CTE Workforce Development Course	
Tech Prep Course	4
CTE Participant	4
CTE Concentrator	5
CTE Concentrator Who Left Secondary Education	5
Tech Prep Participant	
Tech Prep CTE Concentrator	
Tech Prep CTE Concentrator Who Left Secondary Education	
FY2010 CTE Secondary Workforce Development Student Counts	12
Total CTE Participants (unduplicated)	
Total CTE Concentrators (unduplicated)	
Total CTE Concentrators Who Left Secondary Education (unduplicated)	12
FY2010 Tech Prep Student Counts	12
Total Tech Prep Participants (unduplicated)	
Total Tech Prep CTE Concentrators (unduplicated)	
Total Tech Prep CTE Concentrators Who Left Secondary Education (unduplicated)	
FY2010 CTE Secondary Workforce Development Indicators of Performance	13
Academic Attainment—Reading/Language Arts (1S1)	
Ohio Graduation Tests Information.	
Academic Attainment—Mathematics (1S2)	
Ohio Graduation Tests Information	
Academic Attainment—Science (SCI)	
Ohio Graduation Tests Information	
Technical Skill Attainment (2S1)	
Secondary School Completion (3S1)	
Student Graduation Rates (4S1)	
Secondary Placement (5S1)	
Nontraditional Participation (6S1)	
Nontraditional Completion (6S2)	
Secondary Tech Prep and State CTE Indicators of Performance	19
State or Industry-Recognized Certificate or License (1STP3)	
Tech Prep CTE Concentrators	
CTE Concentrators	
Completion of Course Awarding Postsecondary Credit (1STP4)	
Tech Prep CTE Concentrators	
CTE Concentrators	
Placement Status Known (not an Indicator of Performance)	22
CTE Casandam Washfasa Davidammant Data bu Chadant Cal	24
CTE Secondary Workforce Development Data by Student Subgroups	
FY2010 Student Subgroup Performance Rates	
P 1 2010 CTE Student Subgroup Counts	25
hio ef Education	

.)26
26
26
27
evelopment Course Crosswalks28
l Assessment and Workforce Development
32
Workforce Development Course List
34
37
evelopment Course Crosswalks28 I Assessment and Workforce Developm32 Workforce Development Course List

References are made in this document to the *FY2010 EMIS Manual*, which is available on the Ohio Department of Education Web, www.education.ohio.gov (keyword search 2010 EMIS Manual).

KEY DEFINITIONS

CAREER-TECHNICAL EDUCATION (CTE)

This definition is from the Carl D. Perkins Career and Technical Education Improvement Act of 2006:

The term 'career and technical education' means organized educational activities that--

- (A) offer a sequence of courses that--
 - (i) provides individuals with coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions;
 - (ii) provides technical skill proficiency, an industry-recognized credential, a certificate, or an associate degree; and
 - (iii) may include prerequisite courses (other than a remedial course) that meet the requirements of this subparagraph; and
- (B) include competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of an industry, including entrepreneurship, of an individual.

CTE WORKFORCE DEVELOPMENT COURSE

A course that was submitted in Yearend (N) EMIS with both of the following:

- Curriculum Element of VN, VC or VT (Course Master Record (CN), Curriculum Element (CN310))
- One of the CTE Career Field Workforce Development Subject Codes (Course Master Record (CN), Subject Code Element (CN050))

See APPENDIX A for the FY2010 CTE Career Field Workforce Development Subject Codes.

NOTE: To be included in CTE performance calculations, CTE Workforce Development courses must be approved by CTE state staff.

TECH PREP COURSE

A course that was submitted in Yearend (N) EMIS with both of the following:

- Curriculum Element of VT (Course Master Record (CN), Curriculum Element (CN310))
- One of the CTE Career Field Workforce Development **Subject Codes** (Course Master Record (CN), *Subject Code Element* (CN050)):

See APPENDIX A for the FY2010 CTE Career Field Workforce Development Subject Codes.

NOTE: To be included in CTE performance calculations, Tech Prep courses must be approved by CTE state staff.

CTE PARTICIPANT

Definition: A secondary student who has earned credit in one (1) or more courses in any career and technical education (CTE) workforce development program area.

From Yearend (N) 2010, EMIS:

A student must be enrolled in an approved CTE workforce development course (see definition for CTE Workforce Development Course) in the current year;



AND

Student must have a "Y" (Yes) or "P" (Partial/Override) reported for that course in the current year in the **High School Credit Earned** field (Student Course Record (GN), *High School Credit Earned Element* (GN150)).

CTE CONCENTRATOR

Definition: A secondary student who completed a minimum of 50% of the high school credits allowed for a single career and technical education (CTE) workforce development program (e.g., health sciences or marketing), and has enrolled for additional credit at the secondary level.

From Yearend (N) 2010 EMIS:

A student must be enrolled in an approved CTE workforce development course (see definition for CTE Workforce Development Course)

AND

Student must have a "Y" reported in the **CTE Concentrator** field (*CTE Concentrator Element* (GN130)) in Yearend (N).

CTE CONCENTRATOR WHO LEFT SECONDARY EDUCATION

Definition: A secondary student who was reported as a CTE Concentrator while enrolled in high school and who is no longer enrolled in secondary education. For example, this student was reported as a high school graduate or as withdrawn from high school.

NOTE: CTE Concentrator Who Left Secondary Education is calculated differently in the Yearend (N) and Graduate (G) EMIS reporting periods. The Yearend (N) calculation includes Withdrawal data reported in Yearend (N). The Graduate (G) calculation includes Withdrawal data reported in Yearend (N) and Diploma data reported in Graduate (G). The count of CTE Concentrators Who Left Secondary Education can be updated in the Graduate (G) reporting period for two reasons:

- Student will be ADDED to the count of CTE Concentrators Who Left Secondary Education if NOT reported with Withdrawal Reason '47', '71', '72', '73', '74', '75' or '99' in Yearend (N), and reported with a Diploma Date (not equal to zeros) in Graduate (G).
- Student will be DELETED from the count of CTE Concentrators Who Left Secondary Education if reported with Withdrawal Reason '99' in Yearend (N), and NOT reported with a Diploma Date in Graduate (G).

YEAREND (N) CALCULATION:

From Yearend (N) 2008, Yearend (N) 2009 or Yearend (N) 2010, EMIS:

Student must have a "Y" reported in the CTE Concentrator field (CTE Concentrator Element (GN130)).

AND

Student must have been enrolled in an approved CTE workforce development course (see definition for CTE Workforce Development Course) the year the student was reported as a CTE Concentrator

AND

From Yearend (N) 2010, EMIS:



The student had a **Date of Withdrawal** (derived from *Effective End Date Element* (FS090)) and a **Withdrawal Reason** (*Withdrawal Reason Element* (FS100)) of one of the following:

- 47 **Withdrew due to** *Yoder vs. Wisconsin* (Only used for 8th grade students)
- 71 Withdrew due to truancy/nonattendance
- 72 **Pursued employment/work permit** (Superintendent approval on file)
- 73 Over 18 years of age
- 74 **Moved;** not known to be continuing
- 55 **Student completed course requirements** but did NOT pass the appropriate statewide assessments required for graduation. In the case of a student on an IEP who has been excused from the individual consequences of the statewide assessments, using this code indicates that the student completed course requirements but did not take the appropriate statewide assessments required for graduation.
- 99 Completed high school graduation requirements

Returning Withdrawal – If a student is reported as withdrawn in October (K), but is reported as enrolled in Yearend (N), student is NOT counted as withdrawn.

JVSDs and Contract CTE —Withdrawal Reason reported by JVSD and Contract CTE is not used. Withdrawal Reason reported by resident district is used.

GRADUATE (G) CALCULATION:

From Yearend (N) 2008, Yearend (N) 2009 or Yearend (N) 2010, EMIS:

Student must have a "Y" reported in the CTE Concentrator field (CTE Concentrator Element (GN130)).

AND

Student must have been enrolled in an approved CTE workforce development course (see definition for CTE Workforce Development Course) the year the student was reported as a CTE Concentrator

AND ONE OF THE FOLLOWING:

From Yearend (N) 2010, EMIS:

The student had a **Date of Withdrawal** (derived from *Effective End Date Element* (FS090)) and a **Withdrawal Reason** (*Withdrawal Reason Element* (FS100)) of one of the following:

- 47 **Withdrew due to** *Yoder vs. Wisconsin* (Only used for 8th grade students)
- 71 Withdrew due to truancy/nonattendance
- 72 **Pursued employment/work permit** (Superintendent approval on file)
- 73 Over 18 years of age
- 74 **Moved;** not known to be continuing
- 55 Student completed course requirements but did NOT pass the appropriate statewide assessments required for graduation. In the case of a student on an IEP who has been excused from the individual consequences of the statewide assessments, using this code indicates that the student completed course requirements but did not take the appropriate statewide assessments required for graduation.

Returning Withdrawal – If a student is reported as withdrawn in October (K), but is reported as enrolled in Yearend (N), student is NOT counted as withdrawn.

OR

From Graduate (G) 2010, EMIS:

The student had a **Diploma Date** (*Diploma Date Element* (FN090)) not equal to zeroes.



JVSDs and Contract CTE – JVSDs and Contract CTE do not report Diploma Date, so Diploma Date reported by resident district is used.

Prior Year Contract CTE and JVSD CTE Concentrators and "Home School District":

- In the current year, if prior year Contract CTE or JVSD CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by the prior year "home school district", then student is counted as a CTE Concentrator Who Left Secondary Education in current year.
- In the current year, if prior year Contract CTE or JVSD CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by a district other than the prior year "home school district", then student is NOT counted as a CTE Concentrator Who Left Secondary Education in the current year.

Prior Year JVSD CTE Concentrators and "received from" Community School:

- In the current year, if prior year JVSD CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by the prior year "received from" community school, then student is counted as a CTE Concentrator Who Left Secondary Education in current year.
- In current year, if prior year JVSD CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by a district or school other than the prior year "received from" community school, then student is NOT counted as a CTE Concentrator Who Left Secondary Education in current year.

Note: Excludes students who were enrolled only in courses with any of the following subject codes:

- 010001 Environmental and Agricultural Sciences
- 010150 Animal Bioscience
- 010155 Plant Bioscience
- 040001 Arts and Communication Foundation
- 040805 Introduction to Marketing
- 044100 Introduction to Entrepreneurship
- 044110 Entrepreneurship
- 070001 Foundation for Health Occupations
- 070005 Health Science
- 090001 Human Resources/Services Foundation
- 0901xx Family and Consumer Sciences
- 090700 Consumer and Financial Literacy
- 091025 Child Development
- 091050 Financial Management I
- 091051 Financial Management II
- 091400 Career Search
- 091401 Career Search II (includes Mentorship)
- 091410 Transitions and Careers
- 090050 Healthy Food Middle School
- 091077 Healthy and Safe Food
- 091200 Healthy Living
- 091300 Managing Transitions
- 140001 Business and Management Foundations
- 140200 Business Information Technology
- 140050 Introduction to Business and Administrative Services
- 140025 Finance Career Field Course
- 140075 Interdisciplinary Career Field Business Concepts
- 170002 Manufacturing Foundations
- 170003 Construction Foundations
- 170004 Transportation Foundations
- 170005 Construction Technologies
- 170007 Engineering Systems



•	170006	Manufacturing Technologies
•	170350	Transportation Systems
•	172600	Human Services
•	172809	Fundamentals of Public Safety
•	172812	Public Safety Core
•	252525	Career Based Intervention
•	330015	Introduction to Hospitality and Tourism
•	340010	Principles of Arts and Communications
•	350001	Introduction to Education and Training
•	990361	Entrepreneurship
•	990362	Employability Skills

TECH PREP PARTICIPANT

Definition: A secondary student who has earned credit in one (1) or more Tech Prep courses in any career and technical education (CTE) workforce development program area.

From Yearend (N) 2010, EMIS:

A student must be enrolled in an approved Tech Prep course (see definition for Tech Prep Course) in the current year;

AND

Student must have a "Y" (Yes) or "P" (Partial/Override) reported for that course in the current year in the **High School Credit Earned** field (*High School Credit Earned Element* (GN150)).

TECH PREP CTE CONCENTRATOR

Definition: A secondary education student who has enrolled in two courses in the secondary education component of a Tech Prep program.

From Yearend (N) 2008, Yearend (N) 2009 or Yearend (N) 2010, EMIS:

Student must have a "Y" reported in the **CTE Concentrator** field (*CTE Concentrator Element* (GN130)) (see definition of CTE Concentrator).

AND

Student must have been enrolled in an approved Tech Prep course (Curriculum Element VT; see definition of Tech Prep Course) the year the student was reported as a CTE Concentrator.

TECH PREP CTE CONCENTRATOR WHO LEFT SECONDARY EDUCATION

Definition: A secondary education student who has enrolled in two courses in the secondary education component of a Tech Prep program and who is no longer enrolled in secondary education. For example, this student was reported as a high school graduate or as withdrawn from high school.

NOTE: Secondary Tech Prep CTE Concentrator Who Left Secondary Education is calculated differently in the Yearend (N) and Graduate (G) EMIS reporting periods. The Yearend (N) calculation includes Withdrawal data reported in Yearend (N). The Graduate (G) calculation includes Withdrawal data reported in Yearend (N) and Diploma data reported in



Graduate (G). The count of Secondary Tech Prep CTE Concentrators Who Left Secondary Education can be updated in the Graduate (G) reporting period for two reasons:

- Student will be ADDED to the count of Secondary Tech Prep CTE Concentrators Who Left Secondary Education if NOT reported with Withdrawal Reason '47', '71', '72', '73', '74', '75' or '99' in Yearend (N), and reported with a Diploma Date (not equal to zeros) in Graduate (G).
- Student will be DELETED from the count of Secondary Tech Prep CTE Concentrators Who Left Secondary Education if reported with Withdrawal Reason '99' in Yearend (N), and NOT reported with a Diploma Date in Graduate (G).

YEAREND (N) CALCULATION:

From Yearend (N) 2008, Yearend (N) 2009 or Yearend (N) 2010, EMIS:

Student must have a "Y" reported in the CTE Concentrator field (CTE Concentrator Element (GN130)).

AND

Student must have been enrolled in an approved Tech Prep course (see definition of Tech Prep Course) the year the student was reported as a CTE Concentrator.

AND

From Yearend (N) 2010, EMIS:

The student had a **Date of Withdrawal** (derived from *Effective End Date Element* (FS090)) and a **Withdrawal Reason** (*Withdrawal Reason Element* (FS100)) of one of the following:

- 47 **Withdrew due to** *Yoder vs. Wisconsin* (Only used for 8th grade students)
- 71 Withdrew due to truancy/nonattendance
- 72 **Pursued employment/work permit** (Superintendent approval on file)
- 73 Over 18 years of age
- 74 **Moved;** not known to be continuing
- 55 Student completed course requirements but did NOT pass the appropriate statewide assessments required for graduation. In the case of a student on an IEP who has been excused from the individual consequences of the statewide assessments, using this code indicates that the student completed course requirements but did not take the appropriate statewide assessments required for graduation.
- 99 Completed high school graduation requirements

Returning Withdrawal – If a student is reported as withdrawn in October (K), but is reported as enrolled in Yearend (N), student is NOT counted as withdrawn.

JVSDs and Contract CTE – If JVSD or Contract CTE reports Withdrawal Reason '41' (Transferred to Another Ohio School District), then Withdrawal Reason reported by resident district will be used.

GRADUATE (G) CALCULATION:

From Yearend (N) 2008, Yearend (N) 2009 or Yearend (N) 2010, EMIS:

Student must have a "Y" reported in the CTE Concentrator field (CTE Concentrator Element (GN130)).

AND

Student must have been enrolled in an approved Tech Prep course (see definition of Tech Prep Course) the year the student was reported as a CTE Concentrator

AND ONE OF THE FOLLOWING:



From Yearend (N) 2010, EMIS:

The student had a **Date of Withdrawal** (derived from *Effective End Date Element* (FS090)) and a **Withdrawal Reason** (*Withdrawal Reason Element* (FS100)) of one of the following:

- 47 **Withdrew due to** *Yoder vs. Wisconsin* (Only used for 8th grade students)
- 71 Withdrew due to truancy/nonattendance
- 72 **Pursued employment/work permit** (Superintendent approval on file)
- 73 Over 18 years of age
- 74 **Moved;** not known to be continuing
- 55 Student completed course requirements but did NOT pass the appropriate statewide assessments required for graduation. In the case of a student on an IEP who has been excused from the individual consequences of the statewide assessments, using this code indicates that the student completed course requirements but did not take the appropriate statewide assessments required for graduation.

Returning Withdrawal – If a student is reported as withdrawn in October (K), but is reported as enrolled in Yearend (N), student is NOT counted as withdrawn.

OR

From Graduate (G) 2010, EMIS:

The student had a **Diploma Date** (*Diploma Date Element* (FN090)) not equal to zeroes.

JVSDs and Contract CTE – JVSDs and Contract CTE do not report Diploma Date, so Diploma Date reported by resident district will be used.

Prior Year Contract CTE and JVSD Tech Prep CTE Concentrators and "Home School District":

- In the current year, if prior year Contract CTE or JVSD Tech Prep CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by the prior year "home school district", then student is counted as a Tech Prep CTE Concentrator Who Left Secondary Education in current year.
- In the current year, if prior year Contract CTE or JVSD Tech Prep CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by a district other than the prior year "home school district", then student is NOT counted as a Tech Prep CTE Concentrator Who Left Secondary Education in the current year.

Prior Year JVSD Tech Prep CTE Concentrators and "received from" Community School:

- In the current year, if prior year JVSD Tech Prep CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by the prior year "received from" community school, then student is counted as a Tech Prep CTE Concentrator Who Left Secondary Education in current year.
- In current year, if prior year JVSD Tech Prep CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by a district or school other than the prior year "received from" community school, then student is NOT counted as a Tech Prep CTE Concentrator Who Left Secondary Education in current year.

Note: Excludes students who were enrolled only in courses with any of the following subject codes:

- 010001 Environmental and Agricultural Sciences
- 010150 Animal Bioscience
- 010155 Plant Bioscience
- 040001 Arts and Communication Foundation
- 040805 Introduction to Marketing
- 044100 Introduction to Entrepreneurship
- 044110 Entrepreneurship
- 070001 Foundation for Health Occupations
- 070005 Health Science
- 090001 Human Resources/Services Foundation



•	0901xx	Family and Consumer Sciences
•	090700	Consumer and Financial Literacy
•	091025	Child Development
•	091050	Financial Management I
•	091051	Financial Management II
•	091400	Career Search
•	091401	Career Search II (includes Mentorship)
•	091410	Transitions and Careers
•	090050	Healthy Food - Middle School

- 090050 Healthy Food Middle School
 001077 Healthy and Safe Food
- 091077 Healthy and Safe Food091200 Healthy Living
- 091300 Managing Transitions
- 140001 Business and Management Foundations
- 140200 Business Information Technology
- 140050 Introduction to Business and Administrative Services
- 140025 Finance Career Field Course
- 140075 Interdisciplinary Career Field Business Concepts
- 170002 Manufacturing Foundations
 170003 Construction Foundations
 170004 Transportation Foundations
- 170005 Construction Technologies
 170007 Engineering Systems
- 170006 Manufacturing Technologies
 170350 Transportation Systems
- 170350 Transportation Systems
- 172600 Human Services
- 172809 Fundamentals of Public Safety
- 172812 Public Safety Core
- 252525 Career Based Intervention
- 330015 Introduction to Hospitality and Tourism
- 340010 Principles of Arts and Communications
 350001 Introduction to Education and Training
- 990361 Entrepreneurship
- 990362 Employability Skills



FY2010 CTE SECONDARY WORKFORCE DEVELOPMENT STUDENT COUNTS

Total CTE Participants (unduplicated)

Total number of students determined to be CTE Participants. If a student is a CTE Participant in more than one CTE workforce development course, the student is counted only one time.

Total CTE Concentrators (unduplicated)

Total number of students determined to be CTE Concentrators. If a student is determined to be a CTE Concentrator in more than one CTE workforce development course, the student is counted only one time.

Total CTE Concentrators Who Left Secondary Education (unduplicated)

Total number of students determined to be CTE Concentrators Who Left Secondary Education. If a student is determined to be a CTE Concentrator in more than one CTE workforce development course, the student is counted only one time.

FY2010 TECH PREP STUDENT COUNTS

Total Tech Prep Participants (unduplicated)

Total number of students determined to be Tech Prep Participants. If a student is a Tech Prep Participant in more than one Tech Prep course, the student is counted only one time.

Total Tech Prep CTE Concentrators (unduplicated)

Total number of students determined to be Tech Prep CTE Concentrators. If a student is determined to be a Tech Prep CTE Concentrator in more than one Tech Prep course, the student is counted only one time.

Total Tech Prep CTE Concentrators Who Left Secondary Education (unduplicated)

Total number of students determined to be Tech Prep CTE Concentrators Who Left Secondary Education. If a student is determined to be a Tech Prep CTE Concentrator Who Left Secondary Education in more than one Tech Prep course, the student is counted only one time.

The FY2010 CTE Performance Reports will display FY2009 and FY2010 student counts.

FY2010 CTE SECONDARY WORKFORCE DEVELOPMENT INDICATORS OF PERFORMANCE

ACADEMIC ATTAINMENT—READING/LANGUAGE ARTS (1S1) FY2010 ACCOUNTABILITY – FINAL in FY2010 GRADUATE (G).

Definition: Percentage of CTE Concentrators who left secondary education and who scored at or above the proficient

level on the Ohio Graduation Reading Test by the 12th Grade March Administration. (Highest Ohio

Graduation Reading Test score reported in Grades 10 - 12).

Numerator: Number of CTE Concentrators who left secondary education and who scored at or above the proficient

level on the Standard Ohio Graduation Reading Test and the Alternate Ohio Graduation Reading Test

(Required Test Type = "STR" and "ALT").

Denominator: Number of CTE Concentrators who left secondary education and who took the Standard or Alternate

Ohio Graduation Reading Test (Required Test Type = "STR" and Scaled Score NOT = "***" **AND**Required Test Type = "ALT" and Raw Score NOT = "***" ("***" means that the student did not take the test)). Includes students with Scaled Score or Raw Score = "INV" (Invalidated) or "NSA" (Non-Scorable

Assessment) AND all students with disabilities regardless of whether they took the test with

accommodations. Excludes LEP students coded as enrolled in US schools for the first time on or after the

first day of school of the current year; students with LEP Status Element = "L".

Ohio Graduation Tests Data (Ohio Graduation Test Record (GX))

Ohio Graduation Tests (OGT) data reported in any Yearend (N) EMIS Processing; and in 2010 Graduate (G):

Test Grade Level (Test Grade Level Element (GX200)) - "10" is the valid reporting option

Subject of the test (Subject Element (GX205)):

R Reading

Required Test Type (*Required Test Type Element* (GX215)) is ONE of the following:

STR Standard (regular)

ALT Alternate Assessment (Standards-based alternate assessment) as required by IEP

STR Test Type – Scaled Score (*Scaled Score Element* (GX230)):

Reading - Score of 400 or greater

ALT Test Type – Raw Score (*Raw Score Element* (GX240)):

Reading – Score of 120 or greater

ACADEMIC ATTAINMENT—MATHEMATICS (1S2)

FY2010 ACCOUNTABILITY - FINAL in FY2010 GRADUATE (G).

Definition: Percentage of CTE Concentrators who left secondary education and who scored at or above the proficient

level on the Ohio Graduation Mathematics Test by the 12th Grade March Administration. (Highest Ohio

Graduation Mathematics Test score reported in Grades 10 - 12).

Numerator: Number of CTE Concentrators who left secondary education and who scored at or above the proficient

level on the Standard Ohio Graduation Mathematics Test and the Alternate Ohio Graduation Mathematics

Test (Required Test Type = "STR" and "ALT").



Denominator: Number of CTE Concentrators who left secondary education and who took the Standard or Alternate

Ohio Graduation Mathematics Test (Required Test Type = "STR" and Scaled Score NOT = "***" **AND** Required Test Type = "ALT" and Raw Score NOT = "***" ("***" means that the student did not take the test)). Includes students with Scaled Score or Raw Score = "INV" (Invalidated) or "NSA" (Non-Scorable

Assessment) AND all students with disabilities regardless of whether they took the test with

accommodations. Excludes LEP students coded as enrolled in US schools for the first time on or after the

first day of school of the current year; students with LEP Status Element = "L".

Ohio Graduation Tests Data (Ohio Graduation Test Record (GX))

Ohio Graduation Tests (OGT) data reported in any Yearend (N) EMIS Processing; and in 2010 Graduate (G):

Test Grade Level (Test Grade Level Element (GX200)) – "10" is the valid reporting option

Subject of the test (Subject Element (GX205))

M Mathematics

Required Test Type (*Required Test Type Element* (GX215)) is ONE of the following:

STR Standard (regular)

ALT Alternate Assessment (Standards-based alternate assessment) as required by IEP

STR Test Type – Scaled Score (*Scaled Score Element* (GX230)):

Mathematics - Score of 400 or greater

ALT Test Type – Raw Score (*Raw Score Element* (GX240)):

Mathematics – Score of 120 or greater

ACADEMIC ATTAINMENT—SCIENCE (SCI) FY2010 RESULTS – FINAL in FY2010 GRADUATE (G).

Academic Attainment—Science is informational only, and is NOT a CTE indicator of performance. This data will be reported to the U.S. Department of Education.

Definition: Percentage of CTE Concentrators who left secondary education and who scored at or above the proficient

level on the Ohio Graduation Science Test by the 12th Grade March Administration. (Highest Ohio

Graduation Science Test score reported in Grades 10 - 12).

Numerator: Number of CTE Concentrators who left secondary education and who scored at or above the proficient

level on the Standard Ohio Graduation Science Test and the Alternate Ohio Graduation Science Test

(Required Test Type = "STR" and "ALT").

Denominator: Number of CTE Concentrators who left secondary education and who took the Standard or Alternate

Ohio Graduation Science Test (Required Test Type = "STR" and Scaled Score NOT = "***" **AND** Required Test Type = "ALT" and Raw Score NOT = "***" ("***" means that the student did not take the test)). Includes students with Scaled Score or Raw Score = "INV" (Invalidated) or "NSA" (Non-Scorable

Assessment) AND all students with disabilities regardless of whether they took the test with

accommodations. Excludes LEP students coded as enrolled in US schools for the first time on or after the

first day of school of the current year; students with LEP Status Element = "L".

Ohio Graduation Tests Data (Ohio Graduation Test Record (GX))

Ohio Graduation Tests (OGT) data reported in any Yearend (N) EMIS Processing; and in 2010 Graduate (G):



Test Grade Level (Test Grade Level Element (GX200)) – "10" is the valid reporting option

Subject of the test (Subject Element (GX205))

S Science

Required Test Type (*Required Test Type Element* (GX215)) is ONE of the following:

STR Standard (regular)

ALT Alternate Assessment (Standards-based alternate assessment) as required by IEP

STR Test Type – Scaled Score (*Scaled Score Element* (GX230)):

Science - Score of 400 or greater

ALT Test Type – Raw Score (Raw Score Element (GX240)):

Science - Score of 120 or greater

TECHNICAL SKILL ATTAINMENT (2S1)

FY2010 ACCOUNTABILITY - FINAL in FY2010 MARCH (D):

CTE Technical Assessment and CTE Industry Assessment Yearend (N) data from current or any previous year; and CTE Industry Assessment data from 2010 March (D).

AND

FY2011 ACCOUNTABILITY – PRELIMINARY in FY2010 YEAREND (N) and FY2010 GRADUATE (G): CTE Technical Assessment and CTE Industry Assessment Yearend (N) data from current or any previous year.

Definition: Percent of CTE Concentrators who left secondary education in the previous year and who passed a CTE

technical skill assessment or a state-recognized CTE industry assessment

Numerator: Number of CTE Concentrators who left secondary education in the previous year and who passed a CTE

technical skill assessment or a state-recognized CTE industry assessment.

Denominator: Number of CTE Concentrators who left secondary education in the previous year and who took a CTE

technical skill assessment or a state-recognized CTE industry assessment.

From Yearend (N) EMIS:

EMIS Manual 2.4.10 CTE Student Assessment Record (GY)

- CTE Technical Assessment Code Element (GY760)
 - CTE Technical Assessment must align with the subject code in which student is reported as a CTE Concentrator.
 - o A student reported with an "aligned" CTE Technical Assessment Code is included in the denominator.
 - If a student is reported as a CTE Concentrator in more than one CTE course (different subject codes), the CTE Technical Assessment can align with any of the subject codes in which the student is a CTE Concentrator.
- CTE Technical Assessment Score Element (GY770)
 - o A student whose test scores ≥ benchmark score passed the assessment and is included in the numerator.

See APPENDIX B for the FY2010/FY2009/FY2008 CTE Technical Assessment Lists.

From Yearend (N) and 2010 March (D) EMIS:

EMIS Manual 2.4.11 Student CTE Industry Assessment Record (GU)

- CTE Industry Assessment Code Element (GU060)
 - CTE Industry Assessment must align with the subject code in which student is reported as a CTE Concentrator.



- o A student reported with an "aligned" CTE Industry Assessment Code is included in the denominator.
- If a student is reported as a CTE Concentrator in more than one CTE course (different subject codes), the CTE Industry Assessment can align with any of the subject codes in which the student is a CTE Concentrator.
- CTE Industry Assessment Results Element (GU070)
 - A student reported with a "P" (Student passed the CTE Industry Assessment) passed the assessment and is included in the numerator.

See APPENDIX C for the FY2008/FY2009/FY2010 CTE Industry Assessment Options Lists

NOTE: CTE Industry Assessment reported must be valid for the most recent year student reported as a CTE Concentrator.

To determine 2S1 status for a student who is reported with more than one technical assessment that aligns with a subject code in which the student is reported as a CTE Concentrator:

- Two (or more) CTE Technical Assessments In the denominator, student is counted one time. In the numerator, student is counted as *passing* if the score on one or more of the assessments ≥ benchmark score.
- Two (or more) CTE Industry Assessments In the denominator, student is counted one time. In the numerator, student is counted as *passing* if the student passed one or more of the CTE Industry Assessments.
- One CTE Technical Assessment and one CTE Industry Assessment In the denominator, student is counted one time. In the numerator, student is counted as *passing* if the score of the CTE Technical Assessment ≥ benchmark score **OR** the student passed the CTE Industry Assessment.

To determine 2S1 CTE Nontraditional Enrollee subgroup status for a student who is reported as a CTE Concentrator in two (or more) CTE programs:

- If both (all) CTE programs are nontraditional programs for that student, student is counted in the CTE Nontraditional Enrollee subgroup.
- If both (all) CTE programs are NOT nontraditional programs for that student, student is NOT counted in the CTE Nontraditional Enrollee subgroup.
- If only one (of two or more) of the CTE programs is nontraditional for that student:
 - o If assessment results are reported for the student in a CTE program that is nontraditional for that student, student is counted in the CTE Nontraditional Enrollee subgroup.
 - o If assessment results are NOT reported for the student in a CTE program that is nontraditional for that student, student is NOT counted in the CTE Nontraditional Enrollee subgroup.

SECONDARY SCHOOL COMPLETION (3S1)

 $FY2010\ ACCOUNTABILITY-FINAL\ in\ FY2010\ MARCH\ (D)-Diploma\ data\ reported\ in\ FY2009\ Graduate\ (G)\ reporting\ period;\ and\ GED\ data\ reported\ FY2010\ March\ (D).$

AND

FY2011 ACCOUNTABILITY – PRELIMINARY in FY2010 GRADUATE (G) – Diploma data reported in FY2010 Graduate (G) reporting period.

Definition: The percentage of CTE Concentrators who left secondary education the previous year who received a

diploma during the school year or a General Equivalency Diploma (GED). NOTE: This is one year lag

data.

Numerator: Number CTE Concentrators who left secondary education the previous year who had a Diploma Date

(Student Attributes Record – No Date Record (FN), *Diploma Date Element* (FN090)) not equal to zeroes

reported in Graduate (G); or earned a General Equivalency Diploma (GED) (CTE Workforce

Development Follow-Up Record (GV), Diploma Element (GV630) Earned a GED Diploma (G)) reported

in March (D).



Denominator: The number of CTE Concentrators who left secondary education the previous year who were not reported

as Deceased (D)¹ or were reported as Incorrectly reported as a CTE Concentrator (X) (CTE Workforce Development Follow-Up Record (GV)Other Follow-Up Status Element (GV660)) in March (D).

Student reported as Deceased (D) and not reported as either Earned a GED Diploma (G) or Diploma Reported in a Prior Reporting Period (D) (Chapter 2, 2.10 CTE Workforce Development Follow-Up Record (GV) *Diploma Element* (GV630)).

NOTE: Also calculate separately for these two (2) sub-indicators. A student shall be counted in only one sub-indicator.

- (1) Diploma
- (2) General Equivalency Diploma (GED)

STUDENT GRADUATION RATES (4S1)

FY2011 ACCOUNTABILITY – PRELIMINARY in FY2010 GRADUATE (G) – Diploma data reported in FY2010 Graduate (G) reporting period.

Definition: Percentage of CTE Concentrators who left secondary education the previous year who earned a diploma

during the school year. NOTE: This is one year lag data.

Numerator: Number CTE Concentrators who left secondary education the previous year and who had a Diploma Date

(Student Attributes Record - No Date Record (FN), Diploma Date Element (FN090)) not equal to zeroes.

Denominator: Number of CTE Concentrators who left secondary education the previous year.

SECONDARY PLACEMENT (5S1)

FY2010 ACCOUNTABILITY - FINAL in FY2010 MARCH (D).

Secondary Placement (5S1) is based on CTE Concentrators who left secondary education the previous year who responded to a survey several months after leaving school regarding their placement status.

Definition: The percent of status-known CTE Concentrators who left secondary education the previous year and were

enrolled in postsecondary education or advanced training, in the military service or employed.

Numerator: The number of status-known CTE Concentrators who left secondary education the previous year and, in

the second (2nd) quarter following the program year in which they left secondary education, were enrolled in postsecondary education or advanced training, in the military service or employed (CTE Workforce Development Follow-Up Record (GV), *Apprenticeship Element* (GV620), *Employed Placement Element* (GV640), *Military Placement Element* (GV650) and *Postsecondary Education or*

Advanced Training Element (GV670).

Denominator: The number of CTE Concentrators who left secondary education the previous year who were not reported

as Status Unknown (U), Deceased (D)², or Incorrectly reported as a CTE Concentrator (X) (CTE Workforce Development Follow-Up Record (GV)*Other Follow-Up Status Element* (GV660)) in March

(D).

Student reported as Deceased (D) and not reported as Y1 or Y2 for the *Apprenticeship Element*, Employed Placement Element, *Military Placement Element*, *Postsecondary Education or Advanced Training Element* (CTE Workforce Development Follow-Up Record (GV)).

NOTE: All students NOT reported in March (D) as *Status Unknown* (U), *Deceased* (D) or *Incorrectly Reported as a CTE Concentrator* (X) are included in the calculation.



NOTE: Also calculate separately for these four (4) sub-indicators. A student may be counted in more than one sub-indicator.

- (1) Apprenticeship
- (2) Employed
- (3) Military Placement
- (4) Postsecondary Education or Advanced Training

EMIS Manual 2.9 CTE Workforce Development Follow-Up Record (GV)

From 2010 March (D):

Any CTE Concentrator who leaves secondary education who is reported with an *Other Follow-Up Status Element* (GV660) option of U, D, or X will be removed from the denominator

Students are in the numerator if reported with one or more of the following options:

Apprenticeship Element (GV620)

- Y1 Yes, in an apprenticeship program related to CTE Program
- Y2 Yes, in an apprenticeship program not related to CTE Program

Employed Placement Element (GV640)

- Y1 Yes, employed in an occupation related to CTE Program
- Y2 Yes, employed in an occupation not related to CTE Program

Military Placement Element (GV650)

- Y1 Yes, in the military in an area related to CTE Program
- Yes, in the military in an area not related to CTE Program

Postsecondary Education or Advanced Training Element (GV670)

- Y1 Yes, in postsecondary education or advanced training related to CTE Program
- Yes, in postsecondary education or advanced training not related to CTE Program

NONTRADITIONAL PARTICIPATION (6S1)

FY2010 ACCOUNTABILITY - FINAL in FY2010 YEAREND (N).

Definition: The percentage of CTE Participants from underrepresented gender groups who participated in a CTE

program that leads to employment in nontraditional fields.

Numerator: Number of CTE Participants from underrepresented gender groups who, in the reporting year,

participated in a CTE program that leads to employment in nontraditional fields.

Denominator: Number of CTE Participants who, in the reporting year, participated in a CTE program that leads to

employment in nontraditional fields.

From 2010 Yearend (N), EMIS:

This measure is based on the CTE WFD programs in which a student was a CTE Participant. The calculation is based on the number of nontraditional CTE Participants in CTE WFD programs designated as nontraditional for males or females.

See APPENDIX D for the FY2010 Female and Male Nontraditional CTE Programs Lists

Calculation of Nontraditional Participation



Numerator: Female CTE Participants in Female nontraditional CTE programs + Male CTE Participants in Male

nontraditional CTE programs

Denominator: Total CTE Participants in Female and Male nontraditional CTE programs

Note: In the current year, a student must be a CTE Participant in a nontraditional CTE program to be included in the current year Nontraditional Participation calculation.

NONTRADITIONAL COMPLETION (6S2)

FY2010 ACCOUNTABILITY - FINAL in FY2010 GRADUATE (G).

Beginning in FY2010 – Nontraditional Completion (6S2) is calculated in the EMIS Graduate (G) reporting period instead of the Yearend (N) reporting period.

Definition: The percentage of CTE Concentrators from underrepresented gender groups who completed a CTE

program that leads to employment in nontraditional fields.

Numerator: Number of CTE Concentrators from underrepresented gender groups who, in the reporting year,

completed a CTE program that leads to employment in nontraditional fields.

Denominator: Number of CTE Concentrators who, in the reporting year, completed a CTE program that leads to

employment in nontraditional fields.

From 2010 Yearend (N) and 2010 Graduate (G), EMIS:

This measure is based on the CTE WFD programs in which a student was a CTE Concentrator who graduated. The calculation is based on the number of nontraditional CTE Concentrators in CTE WFD programs designated as nontraditional for males or females who graduated from high school (students had a **Diploma Date** (*Diploma Date Element* (FN090)) not equal to zeroes).

See APPENDIX D for the FY2010 Female and Male Nontraditional CTE Programs Lists

Calculation of Nontraditional Completion:

Numerator: Female CTE Concentrators in Female nontraditional CTE programs who graduated from high school +

Male CTE Concentrators in Male nontraditional CTE programs who graduated from high school

Denominator: Total CTE Concentrators in Female and Male nontraditional CTE programs who graduated from high

school

SECONDARY TECH PREP AND STATE CTE INDICATORS OF PERFORMANCE

STATE OR INDUSTRY-RECOGNIZED CERTIFICATE OR LICENSE (1STP3 for Tech Prep; and State Quality Indicator 1 for CTE)

FY2010 ACCOUNTABILITY - FINAL in FY2010 MARCH (D).

Two calculations are needed for this indicator: (1) Tech Prep CTE Concentrators who left secondary education; and (2) CTE Concentrators who left secondary education.



TECH PREP CTE Concentrators:

Definition: The percentage of secondary Tech Prep CTE Concentrators who left secondary education the previous

year, and who obtained a State or industry-recognized certificate or license.

Numerator: Number of secondary Tech Prep CTE Concentrators who left secondary education the previous year and

obtained a State or industry-recognized certificate or license.

Denominator: Number of secondary Tech Prep CTE Concentrators who left secondary education the previous year.

NOTE: All students NOT reported in March (D) as Status Unknown (U), Deceased (D) or

Incorrectly Reported as a CTE Concentrator (X) are included in the calculation.

From 2010 March (D), EMIS:

For Tech Prep, this measure is based on the Tech Prep programs (Curriculum Element VT) in which a student is reported as a CTE Concentrator. Students are reported with a 'Y' (Yes) in **Student Earned Certificate/License** (CTE Workforce Development Follow-Up Record (GV), *Student Earned Certificate/License Element* (GV680).

CTE CONCENTRATORS:

Definition: The percentage of CTE Concentrators who left secondary education the previous year, and who obtained

a State or industry-recognized certificate or license.

Numerator: Number of CTE Concentrators who left secondary education the previous year and obtained a State or

industry-recognized certificate or license.

Denominator: Number of CTE Concentrators who left secondary education the previous year.

NOTE: All students NOT reported in March (D) as Status Unknown (U), Deceased (D) or

Incorrectly Reported as a CTE Concentrator (X) are included in the calculation.

From 2010 March (D), EMIS:

For CTE, this measure is based on CTE Career Field Workforce Development anchor courses (Curriculum Element VN, VC, VT) in which a student is reported as a CTE Concentrator. Students are reported with a 'Y' (Yes) in **Student Earned Certificate/License** (CTE Workforce Development Follow-Up Record (GV), *Student Earned Certificate/License Element* (GV680).

COMPLETION OF COURSE AWARDING POSTSECONDARY CREDIT (1STP4 for Tech Prep; and State Quality Indicator 2 for CTE)

FY2010 ACCOUNTABILITY - FINAL in FY2010 GRADUATE (G).

Two calculations are needed for this indicator: (1) Tech Prep CTE Concentrators who left secondary education; and (2) CTE Concentrators who left secondary education.

TECH PREP CTE Concentrators:

Definition: The percentage of secondary Tech Prep CTE Concentrators who left secondary education in the reporting

year, and who successfully completed a course that awarded postsecondary credit for secondary students.



Numerator: Number of secondary Tech Prep CTE Concentrators who left secondary education in the reporting year,

and who successfully completed a course that awarded postsecondary credit for secondary students.

Denominator: Number of secondary Tech Prep CTE Concentrators who left secondary education in the reporting year.

From 2010 Yearend (N), EMIS:

To calculate the secondary Tech Prep CTE Concentrators who left secondary education and who successfully completed a course that awarded postsecondary credit for secondary students (Numerator):

Student must have been enrolled in one of the following courses, in current or previous year, in any school district that educated the student:

- CTE Workforce Development courses (Curriculum Elements VN, VC, V3 and VT) CTE Course reported as 'Y' (Yes) for the *CTE College Credit Element* (CN300) on the Course Master Record (CN).
- Advanced Placement (AP) courses, including these subject codes:
 129926, 029100, 029110, 029120, 029130, 059920, 059930, 069910, 069912, 069914, 069915, 069916,
 069918, 069920, 069922, 069925, 069930, 069935, 119550, 119930, 119960, 139903, 139905, 139940,
 139950, 139906, 139930, 152500, 152600, 152700, 152810, 152820, 159950, 159960, 159930, 159940,
 290310, 290320
- International Baccalaureate (IB) courses subject codes 32xxxx
- Postsecondary Enrollment Option courses (Curriculum Element PS)

AND

Student must have a "Y" (Yes) or "P" (Partial/Override) reported for that course in the **High School Credit Earned** field (Student Course Record (GN), *High School Credit Earned Element* (GN150)).

NOTE: Also calculate separately for these two (2) sub-indicators. A student may be counted in one or both of the sub-indicators.

- (1) Advanced Placement, International Baccalaureate and Postsecondary Enrollment Option courses
- (2) CTE Workforce Development courses

EXAMPLE: Tech Prep CTE Concentrator is enrolled in and earns high school credit in a CTE Workforce Development Course and an Advanced Placement (AP) course. The student is counted:

- One time in the overall calculation; and
- One time in the CTE Workforce Development courses sub-indicator calculation.
- One time in the Advanced Placement, International Baccalaureate and Postsecondary Enrollment Option courses sub-indicator calculation; and

CTE CONCENTRATORS:

Definition: The percentage of CTE Concentrators who left secondary education in the reporting year, and who

successfully completed a course that awarded postsecondary credit for secondary students.

Numerator: Number of CTE Concentrators who left secondary education in the reporting year, and who successfully

completed a course that awarded postsecondary credit for secondary students.

Denominator: Number of CTE Concentrators who left secondary education in the reporting year.

From 2010 Yearend (N), EMIS:

To calculate the CTE Concentrators who left secondary education and who successfully completed a course that awarded postsecondary credit for secondary students (Numerator):



Student must have been enrolled in one of the following courses, in current or previous year, in any school district that educated the student:

- CTE Workforce Development courses (Curriculum Elements VN, VC, V3 and VT) CTE Course reported as 'Y' (Yes) for the CTE College Credit Element (CN300) on the Course Master Record (CN).
- Advanced Placement (AP) courses, including these subject codes:
 129926, 029100, 029110, 029120, 029130, 059920, 059930, 069910, 069912, 069914, 069915, 069916,
 069918, 069920, 069922, 069925, 069930, 069935, 119550, 119930, 119960, 139903, 139905, 139940,
 139950, 139906, 139930, 152500, 152600, 152700, 152810, 152820, 159950, 159960, 159930, 159940,
 290310, 290320
- International Baccalaureate (IB) courses subject codes 32xxxx
- Postsecondary Enrollment Option courses (Curriculum Element PS)

AND

Student must have a "Y" (Yes) or "P" (Partial/Override) reported for that course in the **High School Credit Earned** field (Student Course Record (GN), *High School Credit Earned Element* (GN150)).

NOTE: Also calculate separately for these two (2) sub-indicators. A student may be counted in one or both of the sub-indicators.

- (1) Advanced Placement, International Baccalaureate and Postsecondary Enrollment Option courses
- (2) CTE Workforce Development courses

EXAMPLE: CTE Concentrator is enrolled in and earns high school credit in a CTE Workforce Development Course and an Advanced Placement (AP) course. The student is counted:

- One time in the overall calculation; and
- One time in the CTE Workforce Development courses sub-indicator calculation.
- One time in the Advanced Placement, International Baccalaureate and Postsecondary Enrollment Option courses sub-indicator calculation; and

PLACEMENT STATUS KNOWN FY2010 RESULTS – FINAL in FY2010 MARCH (D).

'Placement Status Known' is the percentage of CTE Concentrators who left secondary education the previous year who responded to a survey several months after leaving school regarding their placement status. The Secondary Placement (5S1) calculation is based on the survey responses. Placement Status Known is not a CTE indicator of performance, but provides an indication of the reliability of the Secondary Placement (5S1) performance results. Generally, the higher rate of placement status known, the more reliable the Secondary Placement (5S1) performance results.

Definition: The percentage of placement status-known CTE Concentrators who left secondary education the previous year.

year.

Numerator: The number of CTE Concentrators who left secondary education the previous year who were not reported

as Status Unknown (U) (CTE Workforce Development Follow-Up Record (GV), Other Follow-Up Status

Element (GV660)) in March (D).

Denominator: The number of CTE Concentrators who left secondary education the previous year who were not reported

as Incorrectly reported as a CTE Concentrator (X) (CTE Workforce Development Follow Up Record

(GV), Other Follow-Up Status Element (GV660)) in March (D).

From 2010 March (D):



This measure is based on CTE Concentrators who left secondary education the previous year who were not reported with an *Other Follow-Up Status Element* (GV660) option of 'Incorrectly reported as a CTE Concentrator' (X) in the CTE Workforce Development Follow-Up Record (GV).

CTE SECONDARY WORKFORCE DEVELOPMENT DATA BY STUDENT SUBGROUPS

FY2010 STUDENT SUBGROUP PERFORMANCE RATES

Performance rates for each indicator of performance are disaggregated for each required student subgroup. If a student is reported in two different ways for any CTE special population subgroup (individuals with disabilities, economically disadvantaged, single parents, limited English proficient, migrant status, nontraditional CTE enrollee, secondary Tech Prep CTE Concentrators), then count the student as in the special population subgroup.

The FY2010 indicators of performance are:

High School Academic Achievement Standard—Reading/Language Arts (1S1)

High School Academic Achievement Standard—Mathematics (1S2)

Technical Skill Attainment (2S1)

Secondary School Completion (3S1)

Student Graduation Rates (4S1)

Secondary Placement (5S1)

Nontraditional Participation (6S1)

Nontraditional Completion (6S2)

Industry-Recognized Certificate/License (1STP3)

Passed Course that Awarded Postsecondary Credit (1STP4)

Performance results are calculated for each of these student subgroups:

Student Subgroups	1S1 ¹	1S2 ¹	SCI ¹	2S1 ²	3S1 ²	4S1 ²	5S1 ²	6S1 ³	6S2 ¹	1STP3 ^{2,4}	1STP4 ^{1,5}
Male	X	X	X	X	X	X	X	X	X	X	X
Female	X	X	X	X	X	X	X	X	X	X	X
American Indian/ Alaskan Native	X	X	X	X	X	X	X	X	X	X	X
Asian	X	X	X	X	X	X	X	X	X	X	X
Black or African American (not Hispanic)	X	X	X	X	X	X	X	X	X	X	X
Hispanic/Latino	X	X	X	X	X	X	X	X	X	X	X
Native Hawaiian or Other Pacific	X	X	X					X	X		X
Islander											
White	X	X	X	X	X	X	X	X	X	X	X
Multiracial	X	X	X	X	X	X	X	X	X	X	X
Individuals with Disabilities	X	X	X	X	X	X	X	X	X	X	X
Economically Disadvantaged	X	X	X	X	X	X	X	X	X	X	X
Single Parents	X	X	X	X	X	X	X	X	X	X	X
Limited English Proficient	X	X	X	X	X	X	X	X	X	X	X
Migrant Status	X	X	X	X	X	X	X	X	X	X	X
Nontraditional CTE Enrollees ⁶	X	X	X	X	X	X	X			X	X
Secondary Tech Prep CTE	X	X	X	X	X	X	X	X	X		
Concentrators											

¹ CTE Concentrators Who Left Secondary Education the reporting (current) year.

NOTE about student subgroup data and CTE Concentrators Who Left Secondary Education: If a student was a CTE Concentrator Who Left Secondary Education in the current year but was not a CTE Concentrator in the current year, the demographic and program code data used is what was reported in the most recent year the student was a CTE Concentrator.



² CTE Concentrators Who Left Secondary Education the previous year.

³ CTE Participants in the reporting (current) year.

⁴ Secondary Tech Prep CTE Concentrators Who Left Secondary Education the previous year.

⁵ Secondary Tech Prep CTE Concentrators Who Left Secondary Education the reporting (current) year.

⁶ Nontraditional CTE Enrollee student subgroup – Student is a CTE Concentrator Who Left Secondary Education in the current year and was a Nontraditional Participant (in the numerator of 6S1, Nontraditional Participation) in the current or previous years.

FY2010 CTE STUDENT SUBGROUP COUNTS

Unduplicated total and CTE student subgroup counts are calculated for:

CTE Participants

CTE Concentrators

CTE Concentrators Who Left Secondary Education

Secondary Tech Prep Participants

Secondary Tech Prep CTE Concentrators

Secondary Tech Prep CTE Concentrators Who Left Secondary Education

The student subgroups are:

Male

Female

American Indian/Alaskan Native

Asian

Black or African-American (Non-Hispanic)

Hispanic/Latino

Native Hawaiian or Other Pacific Islander

White

Multiracial

Individuals with Disabilities

Economically Disadvantaged

Single Parents

Limited English Proficient

Migrant Status

CTE Nontraditional Enrollees



2009-2010 PERKINS CONSOLIDATED ANNUAL REPORT (CAR)

Secondary CTE data must be reported to the U. S. Department of Education by December 31, 2010 in the Perkins Consolidated Annual Report (CAR).

2009-2010 CAR STUDENT ENROLLMENT FORMS

Unduplicated count of **Secondary CTE Participants** and **Secondary Tech Prep CTE Concentrators** in each student subgroup:

Male

Female

American Indian/Alaskan Native

Asian

Black or African-American (Non-Hispanic)

Hispanic/Latino

Native Hawaiian or Other Pacific Islander

White

Multiracial

Individuals with Disabilities – Individuals with Disabilities Education Act (IDEA)

Economically Disadvantaged

Single Parents

Limited English Proficient

Migrant Status

CTE Nontraditional Enrollees

Unduplicated count of Male and Female Secondary CTE Concentrators in each of the 16 career fields:

Agricultural & Environmental Systems (01)

Arts & Communication (02)

Business & Administrative Services (03)

Construction Technologies (04)

Education & Training (05)

Engineering & Science Technologies (06)

Finance (07)

Government and Public Administration (08)

Health Science (09)

Hospitality & Tourism (10)

Human Services (11)

Information Technology (12)

Law & Public Safety (13)

Manufacturing Technologies (14)

Marketing (15)

Transportation Systems (16)

See APPENDIX A, FY2010 Career Field and CTE Workforce Development Course Crosswalks.

2009-2010 CAR STUDENT ACCOUNTABILITY FORMS

Unduplicated count of CTE students in the Numerator and Denominator in each student subgroup, and of Secondary Tech Prep CTE Concentrators, for each secondary core indicator of performance:

Academic Attainment—Reading/language arts (1S1)

Academic Attainment—Mathematics (1S2)

Technical Skill Attainment (2S1)



Secondary School Completion (3S1)

• And two (2) sub-indicators (Diploma, GED)

Student Graduation Rates (4S1)

Secondary Placement (5S1)

• And three (3) sub-indicators (Employment, Military, Postsecondary Education & Advanced Training) Nontraditional Participation (6S1)

Nontraditional Completion (6S2)

NOTE: Secondary Placement (5S1) data is officially reported to the U.S. Department of Education via the 2009-2010 CAR accountability forms. Data for all other secondary CTE indicators of performance is officially reported to the U.S. Department of Education via the EDEN/EDFacts data system. However, the Office of Career-Technical Education will continue to complete the data fields in the CAR accountability forms for ODE records.

2009-2010 CAR TECH PREP ACCOUNTABILITY FORMS

Unduplicated count of Secondary Tech Prep CTE Concentrators in the numerator and denominator of two (2) secondary Tech Prep indicators of performance:

- (1) Industry-Recognized Certificate/License (1STP3)
- (2) Passed Course that Awarded Postsecondary Credit (1STP4)

NOTE:

The Ohio Board of Regents reports the unduplicated count of Secondary Tech Prep CTE Concentrators in the numerator and denominator of three (3) secondary Tech Prep indicators of performance:

- (1) Postsecondary Enrollment (1STP1)
- (2) Postsecondary Enrollment in the Same Field (1STP2)
- (3) Enrollment in Postsecondary Remedial Course (1STP5)

AND

Unduplicated count of Postsecondary Tech Prep CTE Concentrators in the numerator and denominator of four (4) postsecondary Tech Prep indicators of performance:

- (1) Employment in Related Field (1PTP1)
- (2) State or Industry-Recognized Certificate or License (1PTP2)
- (3) On-Time Completion of Two-Year Degree or Certificate Program (1PTP3)
- (4) On-Time Completion of Baccalaureate Degree Program (1PTP4)



APPENDIX A

FY2010 Career Field and CTE Workforce Development Course Crosswalks

This crosswalk lists all CTE career fields the linked CTE workforce development courses, for CTE accountability purposes. Students may be CTE Concentrators in pathway courses (PC), specialization courses (SC) and multiple career field CTE workforce development courses.

These CTE courses are career field courses (CC		C) or specialization courses (SC).
Ohio Career Fields names (and code)	CTE Workforce	
and	Development	CTE Workforce Development Subject Names
States' Career Clusters Initiative names	Subject Codes	1. 15: 1 70
Ohio Career Field name:	010150	Animal Bioscience (PC)
Agricultural and Environmental Systems (01)	010155	Plant Bioscience (PC)
States, Communication Institution	010201	Agricultural and Industrial Equipment (PC)
States' Career Clusters Initiative name:	010301	Agribusiness and Production Systems (PC)
Agriculture, Food and Natural Resources	010601	Horticulture (PC)
	010701	Natural Resource Management (PC)
	010901	Animal Science and Management (PC)
	011001	Food Science and Technology (PC)
	012000	Biotechnology for Food, Plant and Animal Sciences (PC)
Ohio Career Field name:	170700	Commercial Art Occupations (PC)
Arts and Communication (02)	170900	Commercial Photography Occupations (PC)
	171900	Graphic Occupations (PC)
States' Career Clusters Initiative name:	340005	Visual Design and Imaging (PC)
Arts, A/V Technology and Communications	340010*	Principles of Arts and Communications (CC)
	340015	Media Arts (PC)
	340020	Performing Arts (PC)
Ohio Career Field name:	140050*	Introduction to Business and Administrative Services (CC)
Business and Administrative Services (03)	140300	Administrative and Professional Support (PC)
` ,	140310	Legal Management and Support (PC)
States' Career Clusters Initiative name:	140320	Medical Management and Support (PC)
Business Management and Administration	140800	Business Management (PC)
Ohio Career Field name:	170005*	Construction Technologies (CC)
Construction Technologies (04)	170100	Environmental Control Technologies (SC)
Constitution Technologies (01)	171001	Carpentry (SC)
States' Career Clusters Initiative name:	171001	Electrical Trades (SC)
Architecture and Construction	171002	Heavy Equipment (Construction) (SC)
	171003	Brick, Block & Cement Masonry (SC)
	171004	Interior Design Applications (SC)
	171007	Plumbing and Pipefitting (SC)
	171011	Building and Property Maintenance (SC)
	171017	Building Technology (SC)
	171100	Custodial Services (SC)
	171805	Construction – Design-Build (PC)
	171806	Construction – Management (PC)
011.6	173601	Wood Product Technologies (SC)
Ohio Career Field name:	090011	Career Paths for the Teaching Professions (PC)
Education and Training (05)	090201	Early Childhood Education and Care (PC)
	350001*	Introduction to Education and Training (CC)
States' Career Clusters Initiative name:	[NEW in FY2010]	
Education and Training	350011	Teaching Professions (PC)
	[NEW in FY2010]	
	350201	Early Childhood Education (PC)
	[NEW in FY2010]	
Ohio Career Field name:	170007*	Engineering Systems (CC)
Engineering and Science Technologies (06)	171402	Power Transmission (SC)
	171504	Telecommunications (SC)
States' Career Clusters Initiative name:	171600	Energy Science (SC)
Science, Technology, Engineering and	171810	Engineering Technology (PC)
Mathematics	171807	Engineering Technologies – Design (SC)
	171808	Engineering Technologies – Process (SC)

	171809	Engineering Technologies – Product/Service (SC)
	171815	Engineering Science (PC)
	171816	Computer Integrated Manufacturing (SC)
	171817	Civil Engineering and Architecture (SC)
	171818	Fuel Cell Technologies (SC)
	171819	Materials Joining Technologies (SC)
	171820	Biotechnical Engineering (SC)
	171821	Computational Science and Engineering (SC)
	171825	Engineering Design and Development (PC)
	172000	Chemical Laboratory Assisting (SC)
	172004	Industrial Lab Assisting (SC)
	175000	Biomedical Science (PC)
Ohio Career Field name:	140025*	Finance Career Field Course (CC)
Finance (07)	140100	Accounting (PC)
1 manee (07)	140110	Financial Services (PC)
States' Career Clusters Initiative name: Finance	140110	Timateta Services (LC)
Ohio Career Field name:	090230	Government and Public Administration (PC)
Government and Public Administration (08)	360230	Government and Public Administration (PC)
(00)	[NEW in FY2010]	(10)
States' Career Clusters Initiative name:		
Government and Public Administration		
Ohio Career Field name:	070005*	Health Science (CC)
Health Science (09)	070101	Dental Assistant (SC)
	070103	Dental Laboratory Technology (SC)
States' Career Clusters Initiative name:	070203	Medical Laboratory Technology (SC)
Health Science	070204	Phlebotomy (SC)
	070302	Practical Nursing (SC)
	070303	Nurse Assisting (SC)
	070305	Surgical Technology (SC)
	070307	Home Health (SC)
	070410	Exercise Science/Sports & Recreation Healthcare (SC)
	070603	Optometric Occupations (SC)
	070904	Medical Assistant (SC)
	070906	Community Health Aide (SC)
	070912	Pharmacy Assisting (SC)
	070913	Health Unit Coordinator (SC)
	070994	Patient Care Technician (SC)
	070998	Diversified Health Occupations (DHO) (SC)
	071100	Clinical Health Care Services (PC)
	074820	Diagnostic Pathway (SC)
	074830	Therapeutic Pathway (SC)
	074840	Health Support Pathway (PC)
	074850	Biotechnology (SC)
	074890	Health Information Management Services (PC)
	079960	Diversified Cooperative Health Occupations (DCHO) (SC)
Ohio Career Field name:	041118	Hospitality & Tourism (PC)
Hospitality and Tourism (10)	090203	Culinary Arts and Food Service Management (PC)
	090205	Hotels and Resorts (PC)
States' Career Clusters Initiative name:	330005	Culinary and Food Service Operations (PC)
Hospitality and Tourism	330010	Lodging (PC)
• •	330010*	Introduction to Hospitality and Tourism (CC)
	330020	Travel and Tourism (PC)
Ohio Career Field name:	172600*	Human Services (CC)
Human Services (11)	172601	Barbering (SC)
ruman services (11)	172602	Cosmetology (SC)
States' Career Clusters Initiative name:		
Human Services	172605	Family and Community Services (PC)
Ohio Career Field name:	140200*	Information Technology I (CC)
Information Technology (12)	140210	
inormation recimology (12)		Information Support and Services (PC)
States' Career Clusters Initiative name:	140220	Network Systems (PC)
States' Career Clusters Initiative name: Information Technology	140230	Programming and Software Development (PC)
	140240	Interactive Media (PC)
Ohio Career Field name:	172801	Fire Fighter Training (SC)
		~
Law and Public Safety (13)	172802 172808	Criminal Justice (SC) Private Security (SC)



States' Career Clusters Initiative name:	172810	Career Paths for the Law Profession (PC)
Law, Public Safety, Corrections and Security	172811	Emergency Medical Technician – Secondary (SC)
·	172812*	Public Safety – Core (CC)
	172815	Criminal Science Technologies (SC)
Ohio Career Field name:	170006*	Manufacturing Technologies (CC)
Manufacturing Technologies (14)	170200	Appliance Repair (SC)
	170360	Manufacturing Operations (PC)
States' Career Clusters Initiative name:	170370	Automation & Robotics (SC)
Manufacturing	171012	Integrated Systems Technology (SC)
	171300	Manufacturing Design and Development (PC)
	171503	Electronics (SC)
	172302	Precision Machining (SC)
	172303	Manufacturing Occupations (SC)
	172306	Welding and Cutting (SC)
Ohio Career Field name:	040115	Entertainment Marketing (PC)
Marketing (15)	040805*	Introduction to Marketing (CC)
	040810	Marketing Management (PC)
States' Career Clusters Initiative name:	040815	Marketing Communications (PC)
Marketing	040820	E-Commerce Marketing (PC)
	040830	Marketing Technology (PC)
	040840	Sports Marketing (PC)
	041900	Acquisition and Logistics (PC)
	044100	Introduction to Entrepreneurship (CC)
	[NEW in FY2010]	
	044110	Entrepreneurship (PC)
	[NEW in FY2010]	
Ohio Career Field name:	170301	Auto Collision Repair (SC)
Transportation Systems (16)	170302	Auto Technology (SC)
	170303	Auto Specialization (SC)
States' Career Clusters Initiative name:	170350*	Transportation Systems (CC)
Transportation, Distribution and Logistics	170400	Aviation Occupations (SC)
	170401	Aircraft Maintenance (SC)
	170403	Ground Operations (SC)
	171200	Medium/Heavy Truck Technician (SC)
	173100	Power Equipment Technology (SC)

^{*} For CTE accountability purposes, a student enrolled in a career field (CC) course only cannot to be reported as a CTE Concentrator. Students may be reported as CTE Concentrators only if enrolled in a pathway course (PC) or a specialization course (SC).

Ohio Career Fields	Workforce	Workforce Development Subject Name
Multiple Career Fields (17)	Development Subject	
	Code	
Construction Technologies	170050	Workforce Readiness Program (OC)
Manufacturing Technologies		
Transportation Systems		
(For CTE accountability purposes – Manufacturing		
Technologies **)		
Construction Technologies	179960	Diversified Cooperative Training (DCT) (OC)
 Manufacturing Technologies 		
 Transportation Systems 		
 Engineering & Science Technologies 		
(For CTE accountability purposes – Transportation		
Systems**)		
Any Career Field	990371	Vocational Job Training Coordinating (JT)
(For CTE accountability purposes - Human		
Services**)		

^{**} For CTE accountability purposes, a student enrolled in this course may be counted only one time. The career field in which the student is counted is designated.

Foundation Workforce Development Courses		
These CTE courses are foundations courses (FC)	. For CTE accountabil	ity purposes, a student enrolled in a foundation course only
cannot be reported as a CTE Concentrator.		
Ohio Career Fields	Workforce	Workforce Development Subject Name



Foundation Courses (18)	Development Subject Code	
Agricultural and Environmental Systems	010001	Environmental & Agricultural Science (FC)
Arts and Communication	040001	Arts and Communication Foundation (FC)
Construction Technologies	170003	Construction Foundations (FC)
Health Science	070001	Foundation for Health Careers (FC)
Law & Public Safety	172809	Fundamentals of Public Safety (FC)
Manufacturing Technologies	170002	Manufacturing Foundations (FC)
Transportation Systems	170004	Transportation Foundations (FC)
Education and Training	090001	Human Resources/ Services Foundation (FC)
Human Services		
(For CTE accountability purposes – Human		
Services**)		
 Business and Administrative Services 	140001	Business and Management Foundation (FC)
 Marketing 		
 Information Technology 		
Hospitality and Tourism		
(For CTE accountability purposes – Business & Administrative Services**)		

^{**} For CTE accountability purposes, a student enrolled in this course may be counted only one time. The career field in which the student is counted is designated.



APPENDIX B

FY2010/FY2009/FY2008 CTE Technical Assessment and Workforce Development Course List

Results of these state assessments are used in the calculation of Technical Skill Attainment (2S1). A CTE Concentrator Who Left Secondary Education in FY2010 may have had CTE technical assessment results reported in FY2008, FY2009 or FY2010.

Department Dep	66 43 51 50 50 47 65 65 71	66 43 51 50 50 47 65 65 71	66 43 51 50 50 47 65 65 71
O10301 Systems O3DB Agricultural Production Core and Beef and Sheep Production O3DB Agricultural Production Core and Beef and Sheep Production O3DC Agricultural Production Core and Dairy Production O3DD O3DD O3DD O3DD O3DD O3DDD O3DDD O3DDD O3DDD O3DDD O3DDDD O3DDDDD O3DDDDDDDDDD	51 50 50 47 65 65 71	51 50 50 47 65 65 71	51 50 50 47 65 65
O10301 Agribusiness Production Systems O3DC Agricultural Production Core and Dairy Production O3DD Agricultural Production Core and Dairy Production O3DD Agricultural Production Core and Poultry Production O3DD Agricultural Production O3DD Agricultural Production O3DD Agricultural Production O3DD Agricultural Production O3DE O3D	50 50 47 65 65 71	50 50 47 65 65 71	50 50 47 65 65
Oilosol Agribusiness Production Systems O3DC Dairy Production	50 47 65 65 71	50 47 65 65 71	50 47 65 65
O10301 Systems O3DD Poultry Production O3DE Agricultural Production O3DE Swine Production O3DE Agricultural Production O3DE Swine Production O3DE Agricultural Production O3DE Swine Production O3DE Swine Production O3DE O3	47 65 65 71	47 65 65 71	47 65 65
Systems Swine Production	65 65 71	65 65 71	65 65
O10601 Horticulture	65 71	65 71	65
Dictionary Content Diction	71	71	
O10701 Natural Resource Management 39DA Natural Resources and Forest Industry Worker		·	71
Natural Resource Management 39DA Worker	71		
010701 Natural Resource Management 39DB Conservation 010901 Animal Science and Management 08DA Animal Management Technician 011001 Food Science and Technology 46DA Meat Processor 040115 Entertainment Marketing 30FA Entertainment Marketing 040830 Marketing Technology 36BA Marketing Technology 040830 Marketing Technology (Eliminated in FY2010) Marketing Technology (Not used in FY2010 calculations) 041118 Hospitality and Tourism 41DA Travel and Tourism Marketing 070101 Dental Assistant 23EA Dental Assistant		71	71
011001 Food Science and Technology 46DA Meat Processor 040115 Entertainment Marketing 30FA Entertainment Marketing 040830 Marketing Technology 36EA Marketing Technology 040830 Marketing Technology 36MB (Eliminated in FY2010) (Not used in FY2010 calculations) 041118 Hospitality and Tourism 41DA Travel and Tourism Marketing 070101 Dental Assistant 23EA Dental Assistant	70	70	70
040115 Entertainment Marketing 30FA Entertainment Marketing 040830 Marketing Technology 36EA Marketing Technology 040830 Marketing Technology 36MB (Eliminated in FY2010) Marketing Technology (Not used in FY2010 calculations) 041118 Hospitality and Tourism 41DA Travel and Tourism Marketing 070101 Dental Assistant 23EA Dental Assistant	67	67	67
040830 Marketing Technology 36EA Marketing Technology 040830 Marketing Technology 36MB (Eliminated in FY2010) Marketing Technology (Not used in FY2010 calculations) 041118 Hospitality and Tourism 41DA Travel and Tourism Marketing 070101 Dental Assistant 23EA Dental Assistant	56	56	56
040830 Marketing Technology 36MB (Eliminated in FY2010) Marketing Technology (Not used in FY2010 calculations) 041118 Hospitality and Tourism 41DA Travel and Tourism Marketing 070101 Dental Assistant 23EA Dental Assistant	50	50	50
040830 Marketing Technology (Eliminated in FY2010) Marketing Technology (Not used in FY2010 calculations) 041118 Hospitality and Tourism 41DA Travel and Tourism Marketing 070101 Dental Assistant 23EA Dental Assistant	50	50	50
070101 Dental Assistant 23EA Dental Assistant	n/a	50	50
	58	58	58
070101 Dental Assistant 23MA Dental Assistant	62	62	62
	60	60	60
070904 Medical Assistant 47FA Medical Assistant	72	72	72
(DHO)	68	68	68
Care	70	70	70
090203 Culinary Arts and Food Service Management 34EA Food Production, Management, and Service	64	64	64
	n/a	63	63
090205 Hotels and Resorts 40FA Hospitality	63	n/a	n/a
	59	59	59
140200 Information Technology I (Eliminated in FY2010) Core Information Technology (Not used in FY2010 calculations)	n/a	63	63
FY2010) (Not used in FY2010 calculations)	n/a	57	57
140220 Network Systems 82MB Network Systems	n/a	61	61



		(Eliminated in FY2010)	(Not used in FY2010 calculations)]		
140230	Programming/Software Development	83MB (Eliminated in FY2010)	Programming and Software Development (Not used in FY2010 calculations)	n/a	56	56
140240	Interactive Media	84MB (Eliminated in FY2010)	Interactive Media (Not used in FY2010 calculations)	n/a	57	57
140300	Administrative/Office Technology (Career-Technical)	02EA	Administrative Office Technology	62	62	62
140300	Administrative/Office Technology (Career-Technical)	02MA	Administrative Office Technology	61	61	61
170100	Environmental Control Technologies	07EA	Heating, Ventilation, Air- conditioning, and Refrigeration	68	68	68
170301	Auto Collision Repair	09EA (Eliminated in FY2010)	Auto Collision Technician (Not used in FY2010 calculations)	n/a	69	69
170302	Auto Technology	10DA (Eliminated in FY2010)	Auto Mechanics (Not used in FY2010 calculations)	n/a	67	67
170700	Commercial Art Occupations	18EA	Visual Communications Art	61	61	61
170700	Commercial Art Occupations	18MA	Visual Communications	58	58	58
170900	Commercial Photography Occupations	19DA	Commercial Photography	69	69	69
171001	Carpentry	15EA	Carpentry	67	67	67
171001	Carpentry	15MA	Carpentry	67	67	67
171002	Electrical Trades	27EA	Electrical Trades	66	66	66
171002	Electrical Trades	27MB	Electrical Trades	66	66	66
171004	Brick, Block and Cement Masonry	45DA	Masonry	58	58	58
171011	Building and Property Maintenance	12EA	Building and Property Maintenance	71	71	71
171012	Integrated Systems Technology	42EA	Industrial Maintenance	55	55	55
171200	Medium/Heavy Truck Technician	24EA (Eliminated in FY2010)	Diesel Mechanics (Not used in FY2010 calculations)	n/a	67	67
171300	Manufacturing Design and Development	26EA	Drafting	48	48	48
171300	Manufacturing Design and Development	26MA	Drafting	51	51	51
171503	Electronics	28EA	Electronics	58	58	58
171503	Electronics	28MA	Electronics	58	58	58
171900	Graphic Occupations	38EA	Graphic Communications	61	61	61
171900	Graphic Occupations	38MA	Graphic Communications	56	56	56
172302	Precision Machining	44EA	Precision Machine Technologies	72	72	72
172306	Welding and Cutting	59EA	Welding	50	50	50
172802	Criminal Justice	43FA	Criminal Justice	75	75	75
172808	Private Security	43FA	Criminal Justice	75	75	75
173100	Power Equipment Technology	56DA (Eliminated in FY2010)	Power Equipment Technology (Not used in FY2010 calculations)	n/a	63	63
179960	Diversified Cooperative Trade (DCT)	Any of the tests for subject codes 17XXXX	Any of the tests for subject codes 17XXXX	As Applicable	As Applicable	As Applicab le
330005	Culinary and Food Service Operations [NEW in FY2010]	34EA	Food Management, Production and Service	64	64	64
350201	Early Childhood Education [NEW in FY2010]	16FA	Early Childhood Education and Care	70	70	70

NOTE: Results of the Career Paths for the Teaching Professions (subject code 090011) and Teaching Professions (subject code 350011) state developed portfolio (benchmark 67) are NOT used in the calculation of Technical Skill Attainment (2S1).



APPENDIX C

FY2010 CTE Industry Assessment and Workforce Development Course Lists

Results of these assessments are used in the calculation of Technical Skill Attainment (2S1). These CTE industry assessments are valid for CTE Concentrators who left secondary education in either FY2009 or in FY2010.

- FY2010 March (D) Valid Reporting Period Assessments May be reported for CTE Concentrators who left secondary education in FY2009. These assessments are used in the FY2010 calculation of Technical Skill Attainment (2S1).
- FY2010 Yearend (N) Valid Reporting Period Assessments May be reported for CTE Concentrators who left secondary education in FY2010. These assessments are used in the FY2011 calculation of Technical Skill Attainment (2S1).

Subject Code	Subject Title	EMIS Code	CTE Industry Assessment Name	Repo	olid orting riod
				March (D)	Yearend (N)
070101	Dental Assistant	400	Certified Ohio Dental Assistant (CODA) – Examination		V
070101	Dental Assistant	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		√
070103	Dental Laboratory Technology	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070203	Medical Laboratory Technology	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070204	Phlebotomy	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070302	Practical Nursing	420	National Council Licensure Examination for Licensed Practical/Vocational Nurses (NCLEX-PN) – Ohio Board of Nursing	V	V
070302	Practical Nursing	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070303	Nurse Assisting	440	Nurse Assistant – State Tested Nurse Aide Examination (STNA) – Ohio Department of Health		V
070303	Nurse Assisting	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070305	Surgical Technology	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070307	Home Health	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070410	Exercise Science/Sports and Recreation Healthcare	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		1
070603	Optometric Occupations	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070904	Medical Assistant	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070906	Community Health Aide	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070912	Pharmacy Assisting	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070913	Health Unit Coordinator	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070994	Patient Care Technician	460	Diversified Health Occupations – State Tested Nurse Aide Examination (STNA) – Ohio Department of Health	$\sqrt{}$	
070994	Patient Care Technician	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
070998	Diversified Health Occupations (DHO)	460	Diversified Health Occupations – State Tested Nurse Aide Examination (STNA) – Ohio Department of Health		
070998	Diversified Health	440	State Tested Nurse Aide Examination (STNA) – Ohio Department of Health		



	Occupations (DHO)				
070998	Diversified Health	470	National Healthcare Foundation Skills Assessment – National Consortium for		V
071100	Occupations (DHO) Clinical Health Care	470	Health Science and Technology Education National Healthcare Foundation Skills Assessment – National Consortium for		· ·
071100	Services	.,,	Health Science and Technology Education		√
074820	Diagnostic Pathway	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		$\sqrt{}$
074830	Therapeutic Pathway	460	Diversified Health Occupations – State Tested Nurse Aide Examination (STNA) – Ohio Department of Health	\checkmark	
074830	Therapeutic Pathway	470	National Healthcare Foundation Skills Assessment – National Consortium for	·	-1
			Health Science and Technology Education		√
074840	Biotechnology	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		√
074850	Biotechnology	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		$\sqrt{}$
074890	Health Information Management Services	470	National Healthcare Foundation Skills Assessment – National Consortium for Health Science and Technology Education		V
079960	Diversified Cooperative	460	Diversified Health Occupations – State Tested Nurse Aide Examination	,	
	Health Occupations (DCHO)		(STNA) – Ohio Department of Health	$\sqrt{}$	
079960	Diversified Cooperative	470	National Healthcare Foundation Skills Assessment – National Consortium for		1
	Health Occupations (DCHO)		Health Science and Technology Education		٧
090203	Culinary Arts and Food Service Management	480	ProStart Certificate of Achievement – National Restaurant Association Education Foundation	$\sqrt{}$	$\sqrt{}$
170100	Environmental Control Technologies	100	HVAC—National Construction Career Test – National Center for Construction Education and Research (NCCER)	$\sqrt{}$	V
170100	Environmental Control	610	Air-Conditioning & Refrigeration Institute (ARI) Certificate of Completion		,
	Technologies		Exam; Industry Competency Exam (ICE); Partnership for Air-Conditioning,		$\sqrt{}$
170100	Environmental Control	620	Heating and Refrigeration Accreditation (PAHRA) Heating, Electrical, Air-Conditioning Technology Certificate of Achievement		1
	Technologies		– HVAC Excellence		√
170301	Auto Collision Repair	650	NATEF End of Program Test—Paint and Refinishing – National Automotive Technician Education Foundation (NATEF)		$\sqrt{}$
170302	Auto Technology	120	Automotive Youth Educational Systems (AYES) End of Program Test – Automotive Youth Educational Systems (AYES)	\checkmark	
170302	Auto Technology	140	NATEF End of Program Test—Automotive – National Automotive Technician Education Foundation (NATEF)	$\sqrt{}$	V
170302	Auto Technology	600	National Automotive Technician Education Foundation End of Program Test		√
171001	Carpentry	160	National Automotive Technician Education Foundation (NATEF) Carpentry Level One—National Construction Career Test – National Center	1	<u> </u>
171001	Сагрени	100	for Construction Education and Research (NCCER)	$\sqrt{}$	√
171002	Electrical Trades	190	Electrical Trades—National Construction Career Test – National Center for Construction Education and Research (NCCER)		$\sqrt{}$
171003	Heavy Equipment Operations (Construction)	150	Heavy Equipment Construction—National Construction Career Test – National Center for Construction Education and Research (NCCER)		V
171004	Brick, Block and Cement Masonry	170	Masonry—National Construction Career Test – National Center for Construction Education and Research (NCCER)		V
171011	Building and Property Maintenance	195	Building Technology – National Center for Construction Education and Research (NCCER)		√
171017	Building Technology	195	Building Technology – National Center for Construction Education and Research (NCCER)		√
171503	Electronics	180	Student Electronics Technician (SET) Exam – Electronics Technicians	√	√
171815	Engineering Science	300	Association International (ETA) Project Lead The Way – Introduction to Engineering Design Part C	√ √	\
171815	Engineering Science	320	Project Lead The Way – Principles Of Engineering Part A and C	V	$\frac{1}{\sqrt{1}}$
171815	Engineering Science	340	Project Lead The Way – Digital Electronics Part C	V	V
171816	Computer Integrated Manufacturing	360	Project Lead The Way – Computer Integrated Manufacturing Part C	V	V
171817	Civil Engineering and Architecture	380	Project Lead The Way – Civil Engineering and Architecture Part C	$\sqrt{}$	√
171818	Fuel Cell Technologies	240	Ohio – Fuel Cell Technologies	V	V
171819	Materials Joining	220	Ohio – Materials Joining Technologies	√	V



	Technologies				
171820	Biotechnical Engineering	390	Project Lead The Way – Biotechnology Engineering Part C		
171821	Computational Science and Engineering	500	Ohio – Computational Science and Engineering	V	$\sqrt{}$
171900	Graphic Occupations	580	Print ED Certification – The Graphic Arts and Research Foundation	$\sqrt{}$	$\sqrt{}$
172306	Welding and Cutting	200	Schools Excelling through National Skills Education (SENSE) Level 1 Test – American Welding Society	$\sqrt{}$	$\sqrt{}$
172306	Welding and Cutting	260	Welding – National Construction Career Test – National Center for Construction Education and Research (NCCER)	$\sqrt{}$	$\sqrt{}$
172601	Barbering	540	Barber License Examination – Ohio State Barber Board		
172602	Cosmetology	560	Cosmetology License Examination – Ohio State Board of Cosmetology		
172801	Fire Fighter Training	630	Fire Fighter II Certification – Ohio Emergency Medical Services		√
172811	Emergency Medical Technician – Secondary	640	EMT Basic National Registry Certificate – Ohio Emergency Medical Services		V
173601	Wood Product Technologies	270	Woodlinks Certification – Woodlinks USA		$\sqrt{}$
330005	Culinary and Food Service Operations	480	ProStart Certificate of Achievement – National Restaurant Association Education Foundation		√
340005	Visual Design and Imaging	580	Print ED Certification – The Graphic Arts and Research Foundation	V	

APPENDIX D

FY2010 Nontraditional CTE Programs

Nontraditional CTE programs prepare students for occupations or fields of work in which individuals from one gender comprise less than 25 percent of the individuals employed in those occupations or fields of work.

- Female nontraditional occupations Less than 25 percent of individuals employed are female
- Male nontraditional occupations Less than 25 percent of the individuals employed and male

Students enrolled in these CTE programs (courses) may be included in the calculation of Nontraditional Participation (6S1) and/or Nontraditional Completion (6S2).

Subject Code	Subject Title	Female or Male
010001	Environmental and Agricultural Science	Female
010201	Agricultural and Industrial Equipment	Female
010301	Agribusiness and Production Systems	Female
010601	Horticulture	Female
010701	Natural Resource Management	Female
010901	Animal Science and Management	Female
011001	Food Science and Technology	Female
040810	Marketing Management	Female
040115	Entertainment Marketing	Female
041900	Acquisition and Logistics	Female
070410	Exercise Science/Sports & Recreation Healthcare	Female
074850	Biotechnology	Female
090203	Culinary Arts and Food Service Management	Female
090205	Hotel and Resorts	Female
090230	Government and Public Administration (New in FY 2010)	Female
140200	Information Technology I	Female
140210	Information Support and Services	Female
140220	Network Systems	Female
140230	Programming and Software Development	Female
140240	Interactive Media	Female
170005	Construction Technologies	Female
170006	Manufacturing Technologies	Female
170007	Engineering Systems	Female
170301	Auto Collision Repair	Female
170302	Auto Technology	Female
170303	Auto Specialization	Female
170360	Manufacturing Operations	Female
170400	Aviation Occupations	Female
170401	Aircraft Maintenance	Female
170403	Ground Operations	Female
170700	Commercial Art Occupations	Female
170900	Commercial Photography Occupations	Female
171001	Carpentry	Female
171002	Electrical Trades	Female
171003	Heavy Equipment (Construction)	Female



71004	Brick, Block and Cement Masonry	Female
71005	Interior Design Applications	Female
71007	Plumbing and Pipefitting	Female
71011	Building and Property Maintenance	Female
71012	Integrated Systems Technology	Female
71017	Building Technology	Female
71100	Custodial Services	Female
71200	Medium/Heavy Truck Technician	Female
71300	Manufacturing Design and Development (New Name in FY 2010)	Female
71402	Power Transmission	Female
71503	Electronics	Female
71504	Telecommunications	Female
71600	Energy Science	Female
71805	Construction – Design-Build	Female
71806	Construction – Management	Female
71807	Engineering Technologies – Design	Female
71808	Engineering Technologies – Process	Female
71809	Engineering Technologies – Product/Service	Female
71810	Engineering Technology	Female
71815	Engineering Science	Female
71816	Computer Integrated Manufacturing	Female
71817	Civil Engineering and Architecture	Female
71818	Fuel Cell Technologies	Female
71819	Materials Joining Technologies	Female
71820	Biotechnical Engineering	Female
71821	Computational Science and Engineering	Female
71825	Engineering Design and Development	Female
71900	Graphic Occupations	Female
72000	Chemical Laboratory Assisting	Female
72004	Industrial Laboratory Assisting	Female
72302	Precision Machining	Female
72303	Manufacturing Occupations	Female
72306	Welding and Cutting	Female
72801	Fire Fighter Training	Female
72802	Criminal Justice	Female
72808	Private Security	Female
72812	Public Safety – Core	Female
72815	Criminal Science Technology	Female
73100	Power Equipment Technology	Female
73601	Wood Product Technologies	Female
79960	Diversified Cooperative Training (DCT)	Female
330015	Culinary and Food Service Operations	Female
3 <mark>30005</mark> Correction)	Cumuly and 1 oct set vice operations	Temate
330010	Lodging	Female
340005	Visual Design and Imaging (New in FY 2010)	Female
340015	Media Arts (New in FY 2010)	Female
340020	Performing Arts (New in FY 2010)	Female
360230	Government and Public Administration (New in FY 2010)	Female



	FY2010 Nontraditional CTE Programs (Courses)	
070005	Health Science	Male
070101	Dental Assistant	Male
070103	Dental Laboratory Technology	Male
070203	Medical Laboratory Technology	Male
070204	Phlebotomy	Male
070302	Practical Nursing	Male
070303	Nurse Assisting	Male
070305	Surgical Technology	Male
070307	Home Health	Male
070603	Optometric Occupations	Male
070904	Medical Assistant	Male
070906	Community Health Aide	Male
070912	Pharmacy Assisting	Male
070913	Health Unit Coordinator	Male
070994	Patient Care Technician	Male
070998	Diversified Health Occupations (DHO)	Male
071100	Clinical Health Care Services	Male
074820	Diagnostic Pathway	Male
074830	Therapeutic Pathway	Male
074840	Health Support Pathway	Male
074890	Health Information Management Services	Male
079960	Diversified Cooperative Health Occupations (DCHO)	Male
090011	Career Paths for the Teaching Professions	Male
090201	Early Childhood Education and Care	Male
140025	Finance Career Field Course	Male
140050	Introduction to Business and Administrative Services	Male
140300	Administrative and Professional Support	Male
140310	Legal Management and Support	Male
140320	Medical Management and Support	Male
172602	Cosmetology	Male
175000	Biomedical Science (New in FY 2010)	Male
330020	Travel and Tourism	Male
350001	Introduction to Education and Training (New in FY 2010)	Male
350011	Teaching Professions (New in FY 2010)	Male
350201	Early Childhood Education (New in FY 2010)	Male