



TO: State Board of Education
FROM: Jenny Berry, Director of College and Career Readiness
Peggy Wild, State Director for Career and Technical Education
DATE: March 4, 2015
SUBJECT: Career & Technical Education Update

Secondary and postsecondary Career & Technical Education in Indiana is guided by the Unified Secondary and Postsecondary State Plan, which was developed in fulfillment of the Carl D. Perkins Career & Technical Education Act. Implementation is administered by the Indiana Department of Education for secondary Career & Technical Education and by the Indiana Department of Workforce Development for postsecondary Career & Technical Education.

The Carl D. Perkins Career & Technical Education Act, referred to as Perkins IV, provides federal funding that supports secondary and postsecondary Career & Technical Education in Indiana. Allocation of Perkins IV funds is guided by the federal act (20 U.S.C. 2301 et seq.), with required minimum funding levels for specified expenditure categories, distribution plans, and formulas. Indiana's biennial budget allocates federal funds available through Perkins IV, with the requirement that at least sixty percent (60%) of the federal funds must be allocated to secondary Career and Technical Education to implement the State Plan, as specified by Indiana's IC-20-20-38-12.

The Biennial Budget for 2015-2016 and 2016-2017 estimated secondary, postsecondary and state program leadership allocations of Perkins IV funds the state expects to receive for the two years of the biennial budget based on the 2014-2015 funding level.

The Perkins State Plan budget is updated annually. The budget worksheet on page 2 provides detail of Indiana's Perkins IV actual amounts received in 2014-2015 and the estimate for 2015-2016. The worksheet reports the distribution of Indiana's Perkins IV funds for 2014-2015 and presents the proposed distribution of the estimated 2015-2016 allocation, as reviewed by the Statewide CTE Advisory Committee on March 4, 2015 and recommended for approval by the State Board of Education.

Reports of allocations for 2014-2015 to secondary CTE districts and postsecondary institutions are presented on pages 3, 4, and 5. Updated analysis of CTE student performance for 2013-2014 is presented on pages 5 through 9, including factors that comprise persistence (those who graduate, earn credentials and dual credits, achieve academic proficiency, and enter college or the work force or military) and attrition (those who do not achieve those metrics).

A draft of the State Approved Industry Certifications, developed collaborative by the IDOE and IDWD, is included at the end of this document.

PERKINS STATE PLAN BUDGET WORKSHEET

Reviewed by Statewide Advisory Council for CTE, March 4, 2014

Budget Line	TITLE I: CAREER AND TECHNICAL ASSISTANCE TO STATES	FY 2014-2015	Proposed FY 2015-2016	
1	Total Allocation to the State			
2	Total Title I Allocation to the State	\$ 24,843,250.00	\$ 24,843,250.00	
3	Amount of Title II Tech Prep Funds to be Consolidated with Title I Funds	\$ -	\$ -	
4	Total Amount of Combined Title I and Title II Funds to be distributed under Section 112 (line 2 + 3)	\$ 24,843,250.00	\$ 24,843,250.00	
5	Local Formula Distribution			
6	Local Formula Distribution (not less than 85% of line 1)	\$ 22,389,250.00	\$ 22,389,250.00	90.12%
7	RESERVE			
8	Funds for Secondary Programs	\$ 1,400,000.00	\$ 1,400,000.00	6.25%
9	Funds for Postsecondary Programs	\$ 400,000.00	\$ 400,000.00	1.79%
10	Total Reserve (not more than 10% of line 6)	\$ 1,800,000.00	\$ 1,800,000.00	8.04%
11	FORMULA ALLOCATIONS			
12	Funds for Secondary Programs ¹	\$ 13,588,905.00	\$ 13,588,905.00	66.00%
13	Funds for Postsecondary Programs	\$ 7,000,345.00	\$ 7,000,345.00	34.00%
14	Total Available for Formula Allocations (line 12 + 13)	\$ 20,589,250.00	\$ 20,589,250.00	91.96%
15	State Leadership			
16	Non-Traditional Training and Employment ²	\$ 60,000.00	\$ 60,000.00	
17	Corrections or Institutions ²	\$ 150,000.00	\$ 150,000.00	
18	Other State Leadership	\$ 1,750,000.00	\$ 1,750,000.00	
19	Total State Leadership (not more than 10%)	\$ 1,960,000.00	\$ 1,960,000.00	7.89%
20	State Administration			
21	State Administration (not more than 5%)	\$ 494,000.00	\$ 494,000.00	1.99%
22	State Administration Match			
23	State Administration Match (from non-federal funds) ³	\$ 494,000.00	\$ 494,000.00	

¹ Not less than 60% as required by IC-20-38-12

² Specified in Perkins IV requirements

³ State funds required for administrative match

FY 2014-2015 Perkins Postsecondary Programs Allocations

Distributed by Indiana Department of Workforce Development

Postsecondary Institution Recipient	2014-2015 Allocation
Ivy Tech Community College-Northcentral	\$581,396
Ivy Tech Community College-Central Indiana	\$1,047,663
Ivy Tech Community College-Columbus	\$261,916
Ivy Tech Community College-East Central	\$721,275
Ivy Tech Community College-Kokomo	\$360,350
Ivy Tech Community College-Lafayette	\$302,786
Ivy Tech Community College-Northeast/Ft. Wayne	\$856,550
Ivy Tech Community College-South Central/ Sellersburg	\$195,718
Ivy Tech Community College-Southwest/Evansville	\$407,552
Ivy Tech Community College-Wabash Valley/ Terre Haute	\$375,892
Ivy Tech Community College-Richmond	\$267,672
Ivy Tech Community College-Northwest	\$610,177
Ivy Tech Community College-Southeast/Madison	\$203,200
Purdue University - Fort Wayne	\$119,733
Indiana University - Northwest/Gary	\$15,542
Vincennes University	\$418,490
Ivy Tech Community College-Bloomington	\$254,433
TOTALS	\$7,000,345

FY2014-2015 Perkins Secondary CTE District Allocations

Distributed by Indiana Department of Education

Secondary CTE District Recipient	2014-2015 Allocation
1 School City of East Chicago	\$151,088
2 School City of Hammond	\$556,575
3 Gary Community School Corporation	\$461,349
4 Hanover Community School Corp	\$117,681
5 Porter County Education Interlocal	\$277,681
6 Michigan City Area Schools	\$244,837
7 South Bend Community School Corporation	\$421,314
8 Elkhart Community Schools	\$635,184
9 DeKalb County Eastern Community School District	\$322,952
10 Twin Lakes School Corporation	\$163,414
11 Culver Community Schools Corporation	\$187,510
12 Warsaw Community Schools	\$114,802
13 Wawasee Community School Corporation	\$87,191
14 Fort Wayne Community Schools	\$895,005
16 Logansport Community School Corporation	\$107,904

Secondary CTE District Recipient		2014-2015 Allocation
17	Heartland Career Center	\$94,788
18	MSD Bluffton-Harrison	\$308,461
19	Tippecanoe School Corporation	\$368,147
20	Kokomo-Center Township Consolidated School Corporation	\$215,093
21	Marion Community Schools	\$136,881
22	Muncie Community Schools	\$263,653
23	Crawfordsville Community Schools	\$132,170
24	MSD Washington Township	\$762,362
25	Elwood Community School Corporation	\$77,635
26	Anderson Community School Corporation	\$245,002
27	New Castle Community School Corporation	\$127,662
28	Richmond Community School Corporation	\$135,669
29	South Vermillion Community School Corporation	\$68,421
30	Area 30 Interlocal	\$71,014
31	MSD Wayne Township	\$589,265
32	Indianapolis Public Schools	\$976,404
33	MSD Lawrence Township	\$213,707
34	Fayette County School Corporation	\$166,187
35	Vigo County School Corporation	\$285,086
36	Monroe County Community School Corporation	\$287,870
37	Central Nine Career Center	\$546,706
38	Blue River Career Programs	\$80,650
40	North Lawrence Community Schools	\$136,404
41	Bartholomew Consolidated School Corporation	\$293,342
42	Southeastern Career Center	\$309,650
43	Twin Rivers Vocational Area	\$257,781
44	Lost River Career Cooperative	\$48,812
45	New Albany-Floyd County Consolidated School Corporation	\$537,082
46	Evansville-Vanderburgh School Corporation	\$519,145
47	Greater Jasper Consolidated Schools	\$102,615
48	Tell City-Troy Township School Corporation	\$31,301
49	MSD Warren Township	\$254,934
	Charter Schools USA	\$131,461
	Edison Learning	\$69,056
	TOTALS	\$13,588,905

FY2014-2015 Perkins Secondary and Postsecondary CTE Grant Recipients

The following CTE Districts were awarded a total of over \$1.65 million in Career and Technical Education grants provided through federal Perkins funding. The competitive grant awards support special projects focused on the development, improvement and/or expansion of CTE programs in rural areas to address local, regional or statewide **workforce development needs in high skill, high wage, or high demand occupations in critical or emerging industries.**

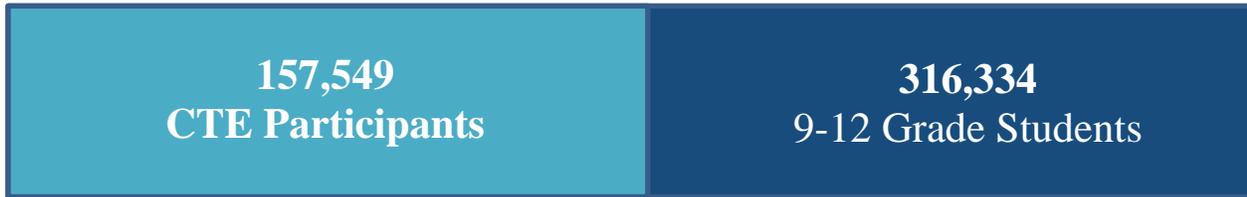
<u>Secondary Area CTE District</u>	<u>Grant Awarded</u>
09 Impact Institute	\$ 60,127
10 Indian Trails Career Coop.	\$100,000
11 North Central Area Voc. Coop	\$ 98,180
12 Warsaw Area Career Center	\$100,000
16 Century Career Center	\$100,000
17 Heartland Career Center	\$100,000
18 Bluffton High School	\$100,000
23 West Central Indiana CTE	\$100,000
25 Hinds Career Center	\$ 65,900
27 New Castle Area Voc. School	\$ 92,436
28 Richmond Community Schools	\$100,000
29 Parke Vermillion Education	\$ 99,735
30 Area 30 Career Center	\$ 63,885
34 Whitewater Technical Career Center	\$ 97,439
40 North Lawrence Voc/Tech Center	\$ 99,952
42 Southeastern Career Center	\$100,000
43 Twin Rivers Area Voc. Career Center	\$ 85,000
44 Lost River Career Cooperative	\$ 96,320

Additionally, post-secondary institutions were awarded funding as follows:

Ivy Tech Central Indiana	\$100,000
Ivy Tech Northeast	\$100,000
Ivy Tech Kokomo	\$ 94,500
Ivy Tech Wabash	\$ 90,300
Ball State University CORE	\$115,726
Indiana State University Center for CTE	\$ 98,487

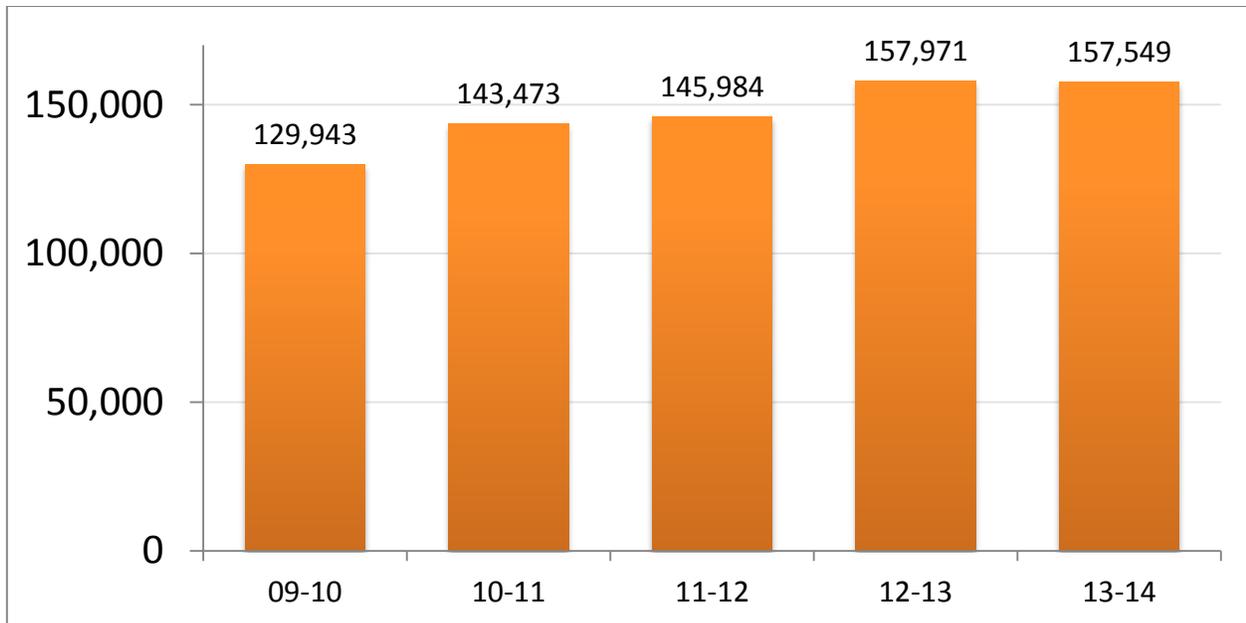
Indiana Career & Technical Education Trend Data

Almost half of ALL Indiana students participate in career and technical education courses in high school



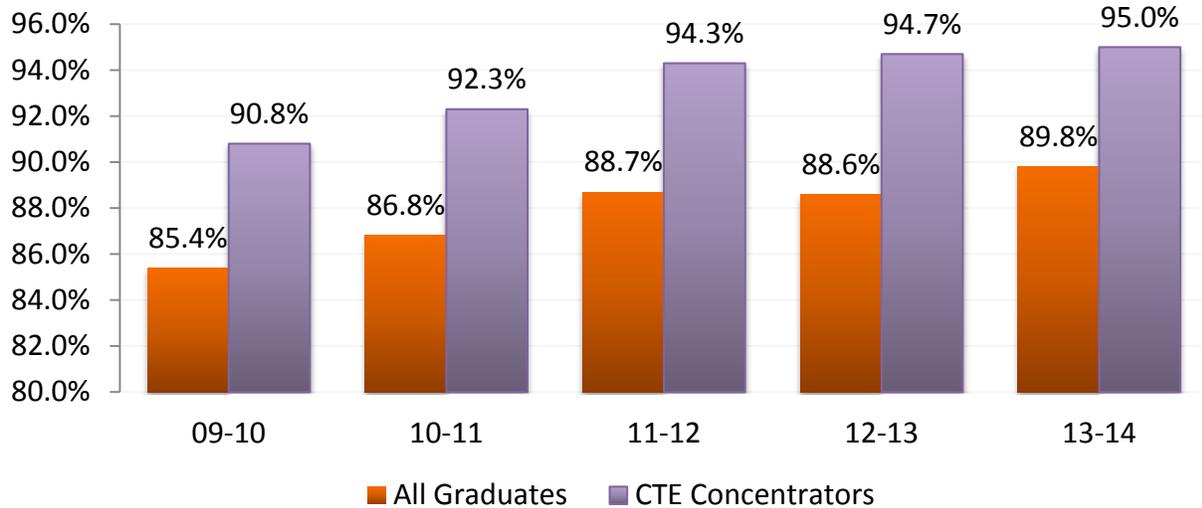
Half of all Indiana high school students are enrolled in one or more CTE courses.

Enrollment in CTE is a growing trend



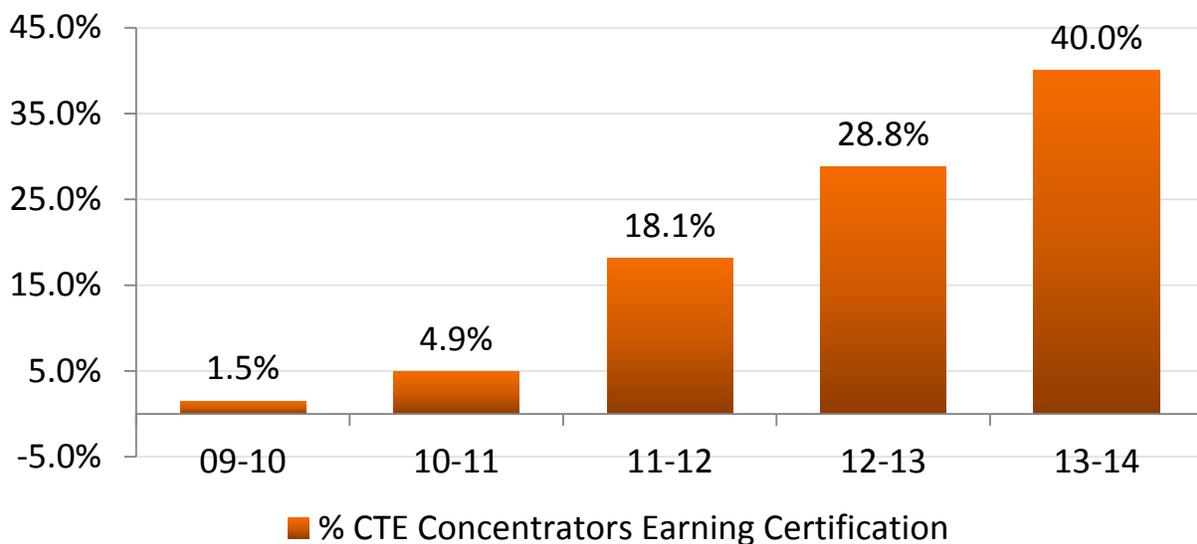
In five years, CTE enrollments (unduplicated count) increased by 27,606 students!

Graduation rates of CTE concentrators continue to be significantly above the overall average



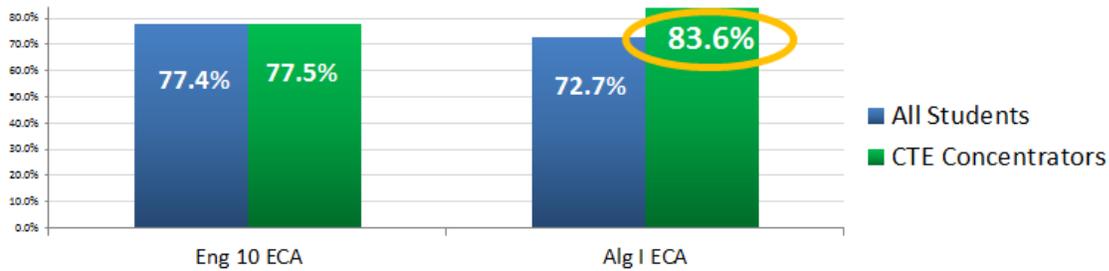
Indiana’s graduation rates continue to climb. CTE Concentrator graduation rate over the 5 year period averages 5% to 6% higher than the overall state graduation rate. Both calculations use the same exact formula through NCLB for calculating).

A growing % of CTE concentrators earn Industry-Recognized Certifications and credentials

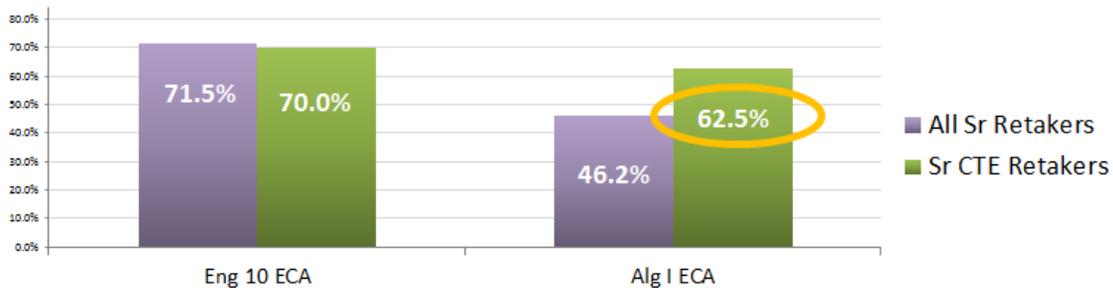


The percentage of CTE concentrators earning industry-recognized credentials continues to increase and the number of Indiana high school students earning industry-based certifications through their secondary CTE programs has skyrocketed in the last four years.

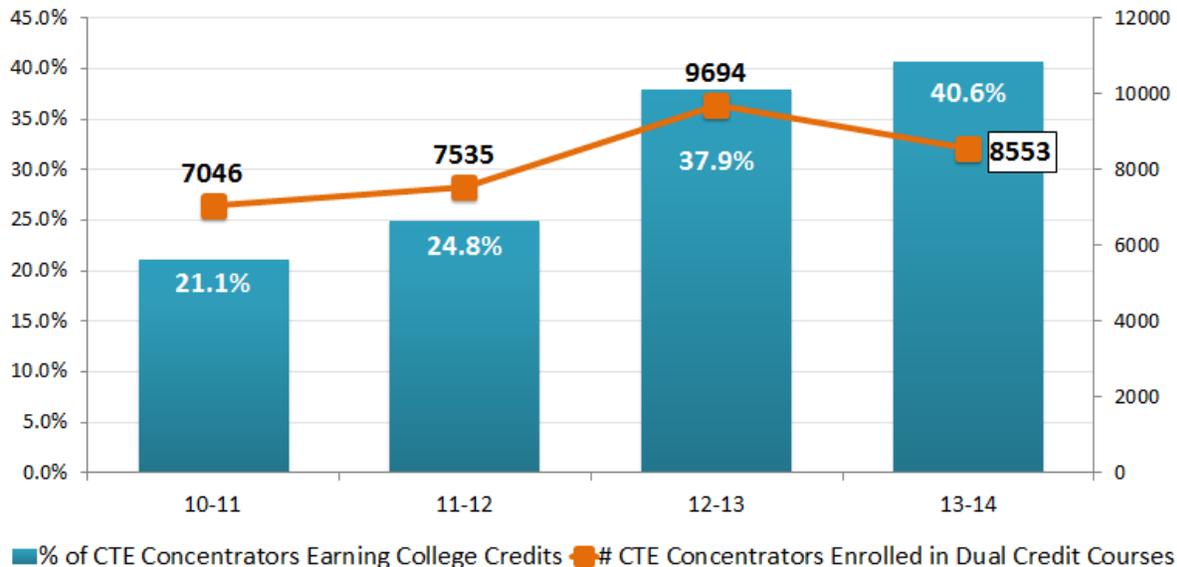
CTE students perform better academically



Senior math ECA retakers succeed more often

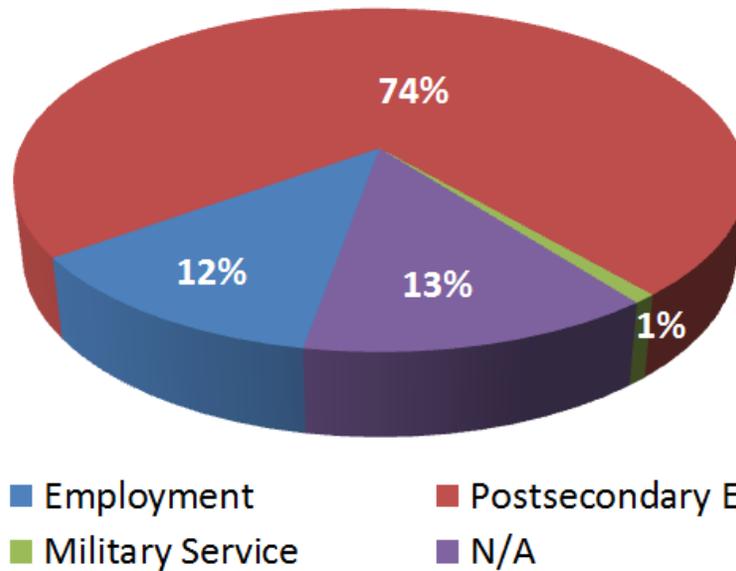


A growing % of CTE concentrators earn College Credits before high school graduation



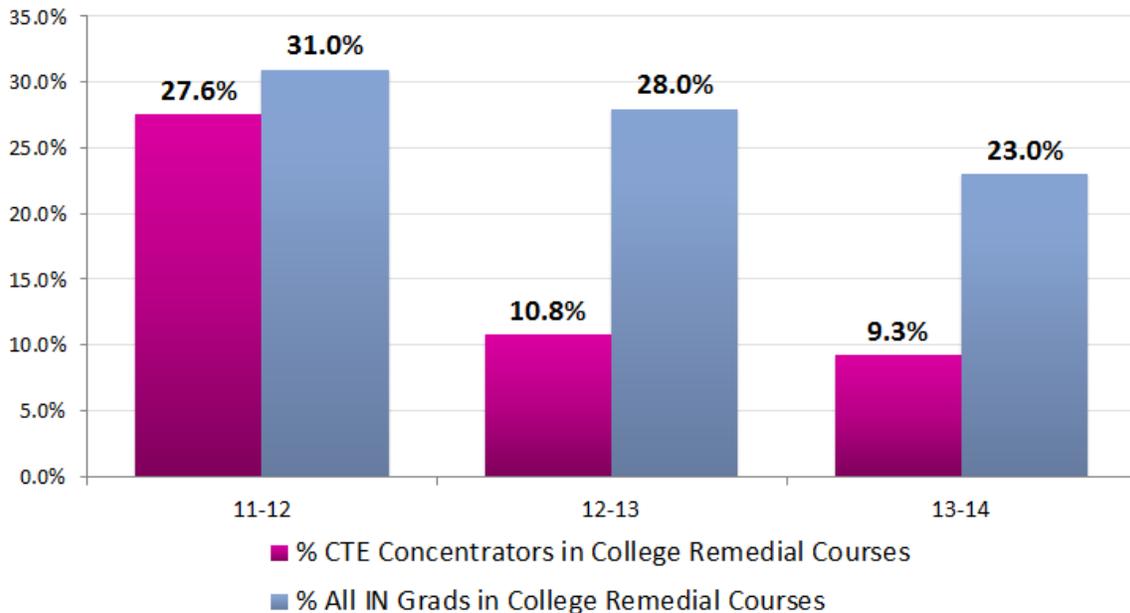
Though the total number of CTE concentrators earning college credits in CTE college courses declined in the last year, the percentage of concentrators earning college credit increased, as did the percentage of CTE participants earning college credit and the total number of credits earned in CTE college courses. CTE students earned a total of 106,187 credits in college CTE courses in 2013-2014. A conservative estimate of tuition saving, at \$116.15 per credit, is over \$12,000,000 in that year alone.

Most CTE Concentrators Transition to College



87% of CTE concentrators go either to Postsecondary Education, Employment or Military Service.

The # and % of CTE concentrators who take college remedial courses is lower than the average



The percentage of Indiana's graduates who need remediation their first year in college is declining. And CTE concentrators' academic performance in high school follows them into college, where only 9.3% of those who were CTE concentrators in high school needed to take remedial courses their first year in college.

Data collection and reporting is accomplished through the collaborative efforts of the Indiana Department of Education, Indiana Department of Workforce Development, Indiana's School Corporations Area CTE Districts, and CTE District Directors, .Data analysis and graphics are provided by Fleck Education, supported.

State Approved Industry Certifications

Draft March 4, 2015



Approved for THD, A-F, General Diploma, and Technical Skills Attainment	Relevant Pathways	State pays for assessment fees
A+ Certification		
ACE (Associate Certified Electronics) Technician	Electronics Pathway	
Adobe Certified Associate or Expert		
Aircraft Operator-Private Pilots/Maintenance License FAA Certification	Aviation Pathways	
APCO (Association of Public-Safety Communications Officials) Certifications	Criminal Justice Pathways	
ASE (Automotive Service Excellence) Certifications	Automotive, Diesel, and Collision Repair Pathways	
ASE (Automotive Service Excellence) Student Certifications (formerly NA3SA)	Automotive, Diesel, and Collision Repair Pathways	YES
AutoCAD Certified Associate, Professional, and User		
Autodesk Inventor		
AWS (American Welding Society) certifications	Welding	
AWS (American Welding Society) SENSE Level 1 certification	Welding	YES
Certified Internet Web Professional (CIW)	IT Pathways	
Certified Novell Administrator	IT Pathways	
Certified Nursing Assistant (C.N.A.)	Nursing Pathway	
Certified Solidworks Associate (CSWA)		
Certified Veterinary Assistant (TVMA)	Health Care Specialties: Veterinary Pathway	
Child Development Associate (CDA)	Early Childhood Education Pathway	
Cisco Certified Network Associate (CCNA)	IT Pathways	
Cisco Network Design, Network Support, Router Fundamentals Certifications	IT Pathways	
Culinary Arts Certification (Pre-PAC)	Culinary Arts Pathway	YES
Early Childhood Education Certification (Pre-PAC)	Early Childhood Education Pathway	YES
Education Fundamentals Certification (Pre-PAC)	Education Careers Pathway	YES
Emergency Medical Technician (EMT)	EMT/Paramedic Pathway	YES
Emergency Telecommunicator Certification (NAED)	Criminal Justice Pathways	
ESPA (Electronic Systems Professional Alliance) EST Certification	Electronics Pathway	
ETA (Electronics Technicians Association) SET-Student Electronics Technician	Electronics Pathway	YES
Family and Community Services Certification (Pre-PAC)	Human & Social Services Pathway	YES
Fashion, Textiles and Apparel Certification (Pre-PAC)	Fashion, Textiles & Design Pathway	YES
Firefighter I Certification	Fire & Rescue Pathway	YES

State Approved Industry Certifications

Draft March 4, 2015

Approved for THD, A-F, General Diploma, and Technical Skills Attainment	Relevant Pathways	State pays for assessment fees
Firefighter II Certification	Fire & Rescue Pathway	YES
Food Science Fundamentals Certification (Pre-PAC)	Food Science Pathway (Advanced Life Science Foods)	YES
Home Builders Institute (HBI) Carpentry Basic	Construction Trades Pathway	YES
Home Builders Institute HVAC Basic Principles	Construction Trades: HVAC Pathway	YES
Home Builders Institute Wiring Basic	io	YES
HVAC Excellence Certification	Construction Trades: HVAC Pathway	YES
Indiana Nursery and Landscape Association Passport to Industry Certified Softscape	Landscape Management Pathway	
Indiana State Board of Cosmetology Certifications	Cosmetology Pathway	
Interior Design Fundamentals (Pre-PAC)	Housing and Interior Design Caears	YES
Lodging Management Program Certificate of Achievement	Hospitality Management Pathway	
Microsoft Office Specialist Expert and Master Certifications	IT Pathways	
Microsoft Office Specialist MITA Bundle (at least 4 of the 7 certificates)	IT Pathways	
MSSC (Manufacturing Skills Standards Certifications)	Advanced Manufacturing Pathway	YES
National Consortium for Health Science Education (NCHSE) Foundations	Health Science Pathways	YES
National Healthcareers Association Certified Patient Care Tech(CPCT)	Health Science Pathways	
National Healthcareers Association Clinical Medical Assisting Certification (CCMA)	Health Science Pathways	
National Healthcareers Association Pharmacy Tech Certification (ExCPT)	Health Science Pathways	
National Healthcareers Association Phlebotomy Technician	Health Science Pathways	
NCCER Certifications	Construction Trades Pathways	
Network Plus Certification	IT Pathways	
NIMS (National Institute for Metalworking Skills) certifications	Machine Technology Pathway	
NIMS (National Institute for Metalworking Skills) Level I online theory exam	Machine Technology Pathway	YES
Pharmacy Technician Certification	Health Care Specialities: Pharmacy Pathway	
PLTW End of Course Assessment Bundle (at least 3 course ECAs)	Engineering, Biotechnology and Biomedical Pathways	
PrintED Certification		
ProStart National Certificate of Achievement	Culinary Arts Pathway	YES
Quickbooks Certification		
Server+ (server plus) Certification	IT Pathways	
Society of Broadcast Engineers Certification	Radio TV Pathway	