



Public Schools of North Carolina
State Board of Education
Department of Public Instruction

Report to the North Carolina General Assembly

Industry Certifications and Credentials
Program Report

*Increase Successful Career and Technical
Education (CTE) Preparation*

115C-156.2 (b)

Date Due: September 15, 2016

Report #

DPI Chronological Schedule, 2016-2017

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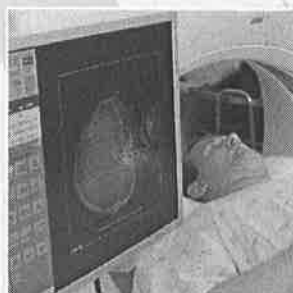
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**REPORT TO THE NORTH CAROLINA GENERAL ASSEMBLY
Increase Successful Career and Technical Education Preparation
Industry Certifications and Credentials Report
GS 115C-156.2 (b)**

As required in GS 115C-156.2 (b) [Session Law 2013-360, sec. 8.28 , *Increase Successful Career and Technical Education Preparation*, the State Board of Education reports data on the credential attainment by CTE students annually. In 2015-2016, 140,097 credentials were earned by CTE students. The attached 2015-2016 Credentialing Data details the achievements of students throughout the state.

NORTH CAROLINA CAREER AND TECHNICAL EDUCATION 2015-16 Credentialing Data



PUBLIC SCHOOLS OF NORTH CAROLINA
State Board of Education | Department of Public Instruction



Learning that works for North Carolina

CTE

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2015-16 Credentialing Data

North Carolina Career and Technical Education

September 2016

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North Carolina Department of Public Instruction

Special thanks to Linda Lay, NC CTE consultant in Business, Finance and IT Education; David Barbour, NC CTE consultant in Trade and Industrial Education; Shirley Cox, NC CTE administrative assistant; and all CTE consultants and local teachers and administrators who provided the data used in this report.

EXECUTIVE SUMMARY

CREDENTIALS EARNED BY SECONDARY NC CTE STUDENTS APPROACH 150,000

Credentials earned by secondary North Carolina Career and Technical Education (CTE) students have increased steadily since 2010-2011, the first year data were collected in the state. Credentials are endorsed by business and industry and document student mastery of skills required for employment and advancement in a career.

The 2015-2016 NC CTE Credentialing Data report shows 140,097 credentials earned by NC CTE students, an increase of nearly 500% from the 24,782 credentials reported in 2010-2011. In 2015-2016, student results were collected for 90 different credentials that include all NC CTE program areas and career clusters. Individual students may report more than one credential earned.

TOP CREDENTIALS

Career Readiness Certificates, which are available in four different levels, were earned by 39,058 students. Microsoft Office Specialist PowerPoint (20,409) and Word (19,780) were also among the most frequently earned credentials.

Students in Wake County report the highest number of credentials earned – 10,977. The school systems with the highest percentage of credentials earned based on enrollment in CTE courses were Bladen County Schools, Cherokee County Schools and Yancey County Schools.

HOW THESE DATA WERE COLLECTED

Educators and business and industry representatives recommend credentials each year that are aligned to the CTE curriculum and valued by employers. Proposed credentials are investigated to ensure they meet requirements for reporting.

Data are collected by student and matched to enrollment information. The majority of the NC CTE credential results were collected directly from the credentialing agency. Additional results were collected from students using third-party software. Care was taken to protect the confidentiality of student information during the collection and analysis process.

MORE INFORMATION

The 2015-2016 NC CTE Credentialing Data report provides a more detailed analysis of credentials earned by secondary NC CTE students. It includes statewide, regional, and individual school district information disaggregated by student demographic information when available.

For more information about this report or credentialing data in North Carolina, contact NC CTE Director Jo Anne Honeycutt (919-807-3764 or joanne.honeycutt@dpi.nc.gov).

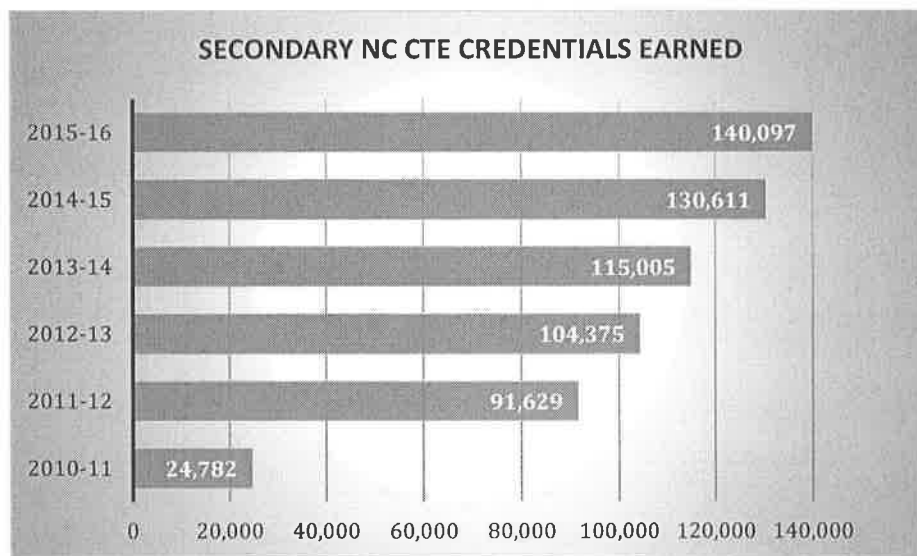
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INTRODUCTION

Since 2010-2011, when North Carolina Career and Technical Education (CTE) began collecting data on credential attainment by secondary students, 606,499 credentials have been earned – 140,097 in 2015-2016 alone!

For the purpose of this report, credentials are defined as certifications issued by professional associations, vendors, or employers. Credentials demonstrate that the student or employee “has acquired the designated knowledge, skills and abilities to perform a specific job” (Bielick, Cronen, Stone, Montaquila & Roth, 2013). A credential can be based on a written, oral or performance-based examination, or some combination of the three, and may require a proscribed period of supervised practice after successfully passing the exam.



Credentials differ from licenses, which are generally issued by a governmental entity. Licenses frequently are required for a practitioner to enter a field, while credentials help potential employees get hired or qualify them for a higher pay level but are not legally mandated.

A 2014 report from the U.S. Census Bureau found nearly a quarter of adults, 11.2 million people, had some sort of non-degree credential, and these workers were more likely to be employed and earned more than their counterparts without credentials (Ewert & Kominski, 2014). Writing about the Census Bureau findings, Massie (2014) reported that

INTRODUCTION

credentials often give employees a leg up on the competition. “In this shifting economy, one way that job seekers, students and workers may improve their opportunities is by earning credentials.”

Earnings of workers with credentials can outpace those of workers who have degrees. In fact, “17% of people with post-secondary licenses or certificates – credentials short of an associate’s degree – earn more than the average bachelor’s degree recipient” (Austin, Mellow, Rosin & Seltzer, 2012). The best long-term scenario is expansion of credentials that are **portable**, meaning they are accepted anywhere around the country, and **stackable**, meaning they can be combined with other, related credentials to create a portfolio of workers’ skills, they wrote.

Secondary students benefit from earning credentials in a number of ways, including the following:

- Credentials provide an advantage to students seeking entry-level employment as they document student proficiency in required skills against a state or national standard.
- Employees with credentials may start at a higher pay rate or be eligible for a pay raise or promotion more quickly than employees without a credential.
- Because the cost of the credential is usually covered by local or state sources, students can save considerable money as they prepare for their future careers.
- As credentialed employees, students are able to earn money for postsecondary education through employment that is well paid and often provides experience in their chosen field.
- Preparing for the credential examination educates students about what it takes to be successful in their field and exposes them to networking opportunities that can smooth their transition to the world of work.

This document provides further details on credentials earned by NC CTE students.

STATEWIDE RESULTS

Nearly 89,000 students earned credentials in 2015-2016. The 89 different credentials available to students included those that measured workplace readiness skills (for example, the Career Readiness Credential from ACT WorkKeys), general job skills applicable to a number of different careers (for example, Microsoft Office Specialist certifications in Word, Excel, PowerPoint and Access), and specific job-related proficiency (for example, Nurse Aide).

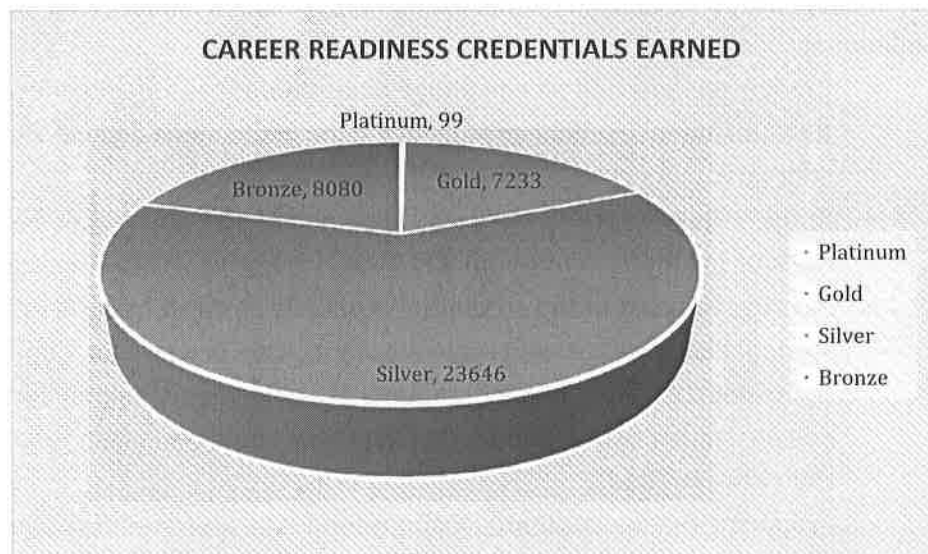
CAREER READINESS CREDENTIAL

The ACT WorkKeys examination is administered each year to CTE Concentrators, students who earned four related technical credits, at least one of which was at the second level.

WorkKeys measures students' employability skills in three areas – Applied Mathematics, Locating

Information, and Reading for Information.

Test-takers who score high enough on the assessment receive a Career Readiness Credential, which is available at four levels –



Platinum, Gold, Silver and Bronze. Employers use Career Readiness Credentials as a screen to improve the quality of their workforce and to help potential employees understand the level of performance necessary to be successful in a particular field.

MICROSOFT OFFICE SPECIALIST CERTIFICATIONS

Through an agreement with Microsoft Corp., Certiport, and NC Department of Public Instruction, students can take Microsoft Office Specialist (MOS) and other Microsoft certification examinations at no charge. During 2015-2016, more than 51,000 MOS credentials were earned by NC CTE students.

STATEWIDE RESULTS

As part of the MOS certification process, six North Carolina state champions were named. These students went on to compete at the worldwide championships in Orlando, FL. Two students from

Green Hope High School placed in their respective divisions. Ryan Catalfu placed first in Microsoft

MICROSOFT OFFICE SPECIALIST CREDENTIALS EARNED BY NC CTE STUDENTS	
Microsoft Access	4,917
Microsoft Excel	6,249
Microsoft PowerPoint	20,409
Microsoft Word	19,780

PowerPoint 2013 and Skyler Won placed second in Microsoft Excel 2010.

Microsoft Office Specialist is a widely recognized certification that ensures students are highly skilled in the use of Microsoft Office products. A number of North Carolina students and teachers demonstrated an even deeper level of skills needed to proficiently use Office programs by earning a Microsoft Office Specialist Master certification. This requires earning certifications in four or more applications with an expert level in at least one. In 2014-2015, approximately 180 students earned the MOS Master certification. In 2015-2016, students earned 397 MOS Master certifications! In addition, 27 teachers from across the state earned the Master certification, enhancing their personal professional development. North Carolina's Certiport partners recognize the state as a pioneer and worldwide leader for this accomplishment.

OTHER CREDENTIALS

In addition to the Career Readiness Credential and the MOS certifications, the highest number of credentials earned were the following:

- NCCER, 8080
- EverFi, 7131
- CPR, 6506
- First Aid, 3732

Another program with impressive credential attainment is Fire Fighter Technology. The Fire Fighter Technology program was first offered in North Carolina in 2008 and has since expanded to 37 schools. The 1,630 students enrolled in one of the three Fire Fighter Technology courses in 2015-2016 earned a total of 7,902 credentials! The Firefighter courses are aligned to the Office of State Fire Marshal's Firefighter Certification. Fire Fighter Technology programs are run under an agreement with OSFM, which acts as the official "Delivery Agent" for all the high school programs. The NC Fire and Rescue

STATEWIDE RESULTS

Commission approved the program and the NC Fire and Rescue Commission Certification Board approves the course blueprints prior to release/modification.

Credentialing has been part of the Fire Fighter Technology program since it started. Students who complete this three-course sequence can earn up to 20 of the 23 modules required to earn NC Firefighter Certification. They can be hired by local fire stations and quickly complete the remaining certification requirements needed for the NC Fire Fighter Certification.

The complete list of credentials earned by NC CTE students begins on the following page.

STATEWIDE RESULTS

NORTH CAROLINA CTE 2015-2016 STATEWIDE CREDENTIALS EARNED

Adobe Dreamweaver	150
Adobe Illustrator	305
Adobe InDesign	312
Adobe Photoshop	758
Adobe Premiere	110
Advanced Customer Service and Sales Certification	16
Alarms & Communications (FIP# 3003)	297
ASE G1 - MLR	22
AutoCAD Certified User	381
Autodesk Inventor Certified User	147
Autodesk Revit Architecture Certified User	248
Building Construction (FIP# 3022)	322
Career Readiness Credential: Bronze	8,080
Career Readiness Credential: Gold	7,233
Career Readiness Credential: Platinum	99
Career Readiness Credential: Silver	23,646
Carolina Certified Plant Professional	4
Certified Guest Service Professional (CGSP)	2
Certified SolidWorks Associate (CSWA)	6
Certified Welders for WeldingCode AWS D.1. - 2010	39
CISCO CCENT	2
Community Emergency Response Team (CERT)	128
CompTIA A+ 801	153
CompTIA A+ 802	12
Concepts of Entrepreneurship and Management	13
Cpht Certified Pharmacy Technician	26
CPR	6,506
Customer Service and Sales Certification	17
Electronics Technicians Association EM1	60
Electronics Technicians Association EM4	15
Emergency Medical Care (FIP# 3016)	530
EMT Basic	29
EverFi	7,131
Fire & Life Preparedness (FIP# 3021)	188
Fire Behavior (FIP# 3004)	543
Fire Hose, Streams, & Appliances (FIP# 3011)	512

STATEWIDE RESULTS

NORTH CAROLINA CTE 2015-2016 STATEWIDE CREDENTIALS EARNED

First Aid	3,732
Foam Fire Streams (FIP# 3012)	473
Forcible Entry (FIP# 3007)	307
Fundamentals Marketing Concepts	25
Health and Wellness (FIP# 3024)	628
Intuit Quickbooks Certified User	42
Ladders (FIP# 3010)	339
Lead Teacher Equivalency Certification	106
Loss Control (FIP# 3014)	302
Mayday (FIP# 3026)	210
Microsoft Access	4,917
Microsoft Excel	6,249
Microsoft MTA 98-366: Networking Fundamentals	8
Microsoft MTA 98-367: Security Fundamentals	8
Microsoft MTA 98-368: Mobility and Device Fundamentals	1
Microsoft PowerPoint	20,409
Microsoft Word	19,780
MTA 98-375 HTML 5 Application Developer Fundamentals	33
National Consortium for Health Science Education (NCHSE) Assessment	262
National SafeTractor and Machinery Operation Certification	17
NC Beef Quality Assurance	470
NC Hunter Safety Course	1949
NC Pork Quality Assurance	285
NC Pork Quality Assurance & Certificatio	29
NC Private Pesticide Applicator	13
NCCER Credential	7,903
NIMS Measurement, Materials, and Safety	22
North Carolina Nurse Aide I	1,720
Orientation & Safety (FIP# 3001)	572
OSHA 10-Hour Construction Industry Certification	1,831
OSHA 10-Hour General Industry (Agriculture) Certification	118
OSHA 10-Hour General Industry Training	711
Personal Protective Equipment (FIP# 3006)	607
Portable Extinguishers (FIP# 3005)	622
PrintED Advertising and Design	12

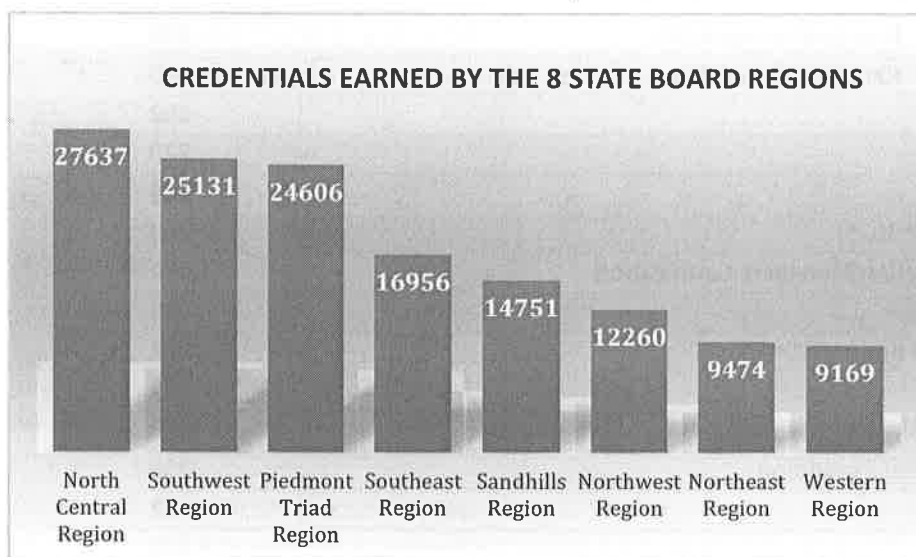
STATEWIDE RESULTS

NORTH CAROLINA CTE 2015-2016 STATEWIDE CREDENTIALS EARNED

PrintED Digital File Preparation	32
PrintED Introduction to Graphic Communication	138
ProStart Certificate of Recognition Level One	139
ProStart Certificate of Recognition Level Two	30
Rescue (FIP# 3017)	202
Ropes (FIP# 3009)	329
S/P2	502
Safety & Survival (FIP# 3025)	209
ServSafe® Food Protection Managers Certification	1,432
SMAW and/or GMAW	55
SMAW and/or GMAW and/or GTAW	21
Sprinklers (FIP# 3019)	187
Ventilation (FIP# 3008)	323
Venture Entrepreneurial Expedition	758
Veterinarian Assisting	22
WISE Financial	1,178
Water Supplies (FIP# 3018)	200
Workplace Readiness Soft Skills	1,586
GRAND TOTAL	140,097

STATEWIDE RESULTS

Using the State Board of Education regions, the North Central Region has the highest number of credentials – 27,637.



Using the six CTE service regions, the Central region has the highest number of credentials earned – 36,707. Attainment by region is shown in the chart below.



LOCAL EDUCATION AGENCY RESULTS

Students in all 115 Local Education Agencies and seven charter and special schools earned credentials in 2015-2016.

The ten Local Education Agencies with the highest number of credentials earned are shown in the chart below.

Local Education Agency		Credentials earned
920	Wake County Schools	10,977
260	Cumberland County Schools	6,386
410	Guilford County Schools	5,316
900	Union County Public Schools	4,991
510	Johnston County Schools	4,283
360	Gaston County Schools	4,192
740	Pitt County Schools	3,791
290	Davidson County Schools	3,684
670	Onslow County Schools	3,684
600	Charlotte-Mecklenburg Schools	3,367

Based on the number of credentials earned as a percentage of CTE course enrollment, the top Local Education Agencies and charters are shown in the chart below. Note that some students earn multiple credentials and credentials are not available in all courses.

Local Education Agency/Charter		% Earned
90	Bladen County Schools	45.0%
995	Yancey County Schools	42.4%
200	Cherokee County Schools	41.4%
36C	Mountain Charter	40.7%
700	Elizabeth City-Pasquotank Public Schools	40.5%
610	Mitchell County Schools	38.5%
720	Perquimans County Schools	35.5%
861	Elkin City Schools	33.0%
970	Wilkes County Schools	32.0%
230	Cleveland County Schools	32.0%

Total credentials earned and percent based on enrollment appear in the chart beginning on the following page,

LOCAL EDUCATION AGENCY RESULTS

LEA	LEA_Name	Credentials	Enrollment	% Earned
10	Alamance-Burlington Schools	2640	11706	22.6%
20	Alexander County Schools	462	3058	15.1%
30	Alleghany County Schools	210	932	22.5%
40	Anson County Schools	226	1828	12.4%
50	Ashe County Schools	287	1856	15.5%
60	Avery County Schools	309	1820	17.0%
70	Beaufort County Schools	1133	4051	28.0%
80	Bertie County Schools	110	1514	7.3%
90	Bladen County Schools	1530	3401	45.0%
100	Brunswick County Schools	1301	6213	20.9%
110	Buncombe County Schools	3087	14804	20.9%
111	Asheville City Schools	257	1722	14.9%
120	Burke County Schools	1747	9236	18.9%
130	Cabarrus County Schools	3124	18104	17.3%
132	Kannapolis City Schools	491	4377	11.2%
140	Caldwell County Schools	1628	7003	23.2%
150	Camden County Schools	261	964	27.1%
160	Carteret County Schools	1185	5099	23.2%
170	Caswell County Schools	124	2474	5.0%
180	Catawba County Schools	2440	11048	22.1%
181	Hickory City Schools	617	2052	30.1%
182	Newton-Conover City Schools	356	1833	19.4%
190	Chatham County Schools	694	4857	14.3%
200	Cherokee County Schools	587	1418	41.4%
210	Edenton-Chowan Schools	95	1364	7.0%
220	Clay County Schools	154	573	26.9%
230	Cleveland County Schools	2395	7492	32.0%
240	Columbus County Schools	609	2872	21.2%
241	Whiteville City Schools	168	1353	12.4%
250	Craven County Schools	1929	7403	26.1%
260	Cumberland County Schools	6386	33838	18.9%
270	Currituck County Schools	252	2261	11.1%
280	Dare County Schools	234	1752	13.4%
290	Davidson County Schools	3684	12686	29.0%
291	Lexington City Schools	208	3484	6.0%
292	Thomasville City Schools	442	2032	21.8%
300	Davie County Schools	1092	5235	20.9%

LOCAL EDUCATION AGENCY RESULTS

310	Duplin County Schools	1607	7542	21.3%
320	Durham Schools	1094	15093	7.2%
330	Edgecombe County Schools	243	3466	7.0%
340	Winston-Salem/Forsyth County Schools	2174	24162	9.0%
350	Franklin County Schools	1312	4924	26.6%
360	Gaston County Schools	4192	16314	25.7%
370	Gates County Schools	262	1106	23.7%
380	Graham County Schools	38	536	7.1%
390	Granville County Schools	637	5637	11.3%
400	Greene County Schools	379	2127	17.8%
410	Guilford County Schools	5316	38309	13.9%
420	Halifax County Schools	234	1342	17.4%
421	Roanoke Rapids City Schools	387	2124	18.2%
422	Weldon City Schools	115	605	19.0%
430	Harnett County Schools	2495	9687	25.8%
440	Haywood County Schools	821	4356	18.8%
450	Henderson County Schools	2163	8291	26.1%
460	Hertford County Schools	159	1807	8.8%
470	Hoke County Schools	918	3097	29.6%
480	Hyde County Schools	27	218	12.4%
490	Iredell-Statesville Schools	1679	11213	15.0%
491	Mooreville Graded School District	580	3419	17.0%
500	Jackson County Schools	164	1684	9.7%
510	Johnston County Schools	4283	21177	20.2%
520	Jones County Schools	77	671	11.5%
530	Lee County Schools	1867	6692	27.9%
540	Lenoir County Schools	842	5048	16.7%
550	Lincoln County Schools	1398	6372	21.9%
560	Macon County Schools	108	2334	4.6%
570	Madison County Schools	183	1249	14.7%
580	Martin County Schools	574	1800	31.9%
590	McDowell County Schools	1170	4780	24.5%
600	Charlotte-Mecklenburg Schools	3367	65435	5.1%
610	Mitchell County Schools	428	1112	38.5%
620	Montgomery County Schools	329	4618	7.1%
630	Moore County Schools	583	6822	8.5%
640	Nash-Rocky Mount Schools	1784	9434	18.9%
650	New Hanover County Schools	2008	11933	16.8%

LOCAL EDUCATION AGENCY RESULTS

660	Northampton County Schools	49	1060	4.6%
670	Onslow County Schools	3684	14762	25.0%
680	Orange County Schools	355	4761	7.5%
681	Chapel Hill-Carrboro City Schools	148	3760	3.9%
690	Pamlico County Schools	213	1004	21.2%
700	Elizabeth City-Pasquotank Schools	1218	3005	40.5%
710	Pender County Schools	1363	6210	21.9%
720	Perquimans County Schools	407	1147	35.5%
730	Person County Schools	461	2542	18.1%
740	Pitt County Schools	3791	12367	30.7%
750	Polk County Schools	295	1786	16.5%
760	Randolph County Schoos	3138	11245	27.9%
761	Asheboro City Schools	745	2934	25.4%
770	Richmond County Schools	1203	4957	24.3%
780	Public Schools of Robeson County	1263	11495	11.0%
790	Rockingham County Schools	1677	7439	22.5%
800	Rowan-Salisbury Schools	1441	11852	12.2%
810	Rutherford County Schools	659	4849	13.6%
820	Sampson County Schools	985	5464	18.0%
821	Clinton City Schools	205	2223	9.2%
830	Scotland County Schools	572	3039	18.8%
840	Stanly County Schools	1247	4946	25.2%
850	Stokes County Schools	937	5517	17.0%
860	Surry County Schools	1108	5754	19.3%
861	Elkin City Schools	245	742	33.0%
862	Mount Airy City Schools	200	1579	12.7%
870	Swain County Schools	228	990	23.0%
880	Transylvania County Schools	425	2432	17.5%
890	Tyrrell County Schools	29	316	9.2%
900	Union County Schools	4991	25490	19.6%
910	Vance County Schools	439	3366	13.0%
920	Wake County Schools	10977	83389	13.2%
930	Warren County Schools	127	968	13.1%
940	Washington County Schools	137	898	15.3%
950	Watauga County Schools	225	2222	10.1%
960	Wayne County Schools	2368	10300	23.0%
970	Wilkes County Schools	1963	6136	32.0%
980	Wilson County Schools	721	6775	10.6%

LOCAL EDUCATION AGENCY RESULTS

990	Yadkin County Schools	876	3450	25.4%
995	Yancey County Schools	418	987	42.4%
32L	Voyager Academy	35	164	21.3%
36C	Mountain Charter	11	27	40.7%
58B	Bear Grass Charter	34	396	8.6%
84B	Gray Stone Day	2	215	0.9%
90A	Union Academy	1	150	0.7%
91B	Henderson Charter	2	43	4.7%
94Z	Northeast Regional School of Biotech/Agri	28	189	14.8%

LEA	LEA or charter school	A+A9+C6:E8+C6:F8+C6:G+C6:AF6	Adobe Illustrator	Adobe InDesign	Adobe Photoshop	Adobe Premiere	Advanced Customer Service and Sales Certification	Alarms & Communications (FIP# 3003)	ASE G1 - MLR	AutoCAD Certified User	Autodesk Inventor Certified User	Autodesk Revit Architecture Certified User	Building Construction (FIP# 3022)	Career Readiness Credential: Bronze	Career Readiness Credential: Gold	Career Readiness Credential: Platinum	Career Readiness Credential: Silver	Carolina Certified Plant Professional	Certified Guest Service Professional (CGSP)	Certified SolidWorks Associate (CSWA)	Certified Welders for Welding Code AWS D.1. - 2010	CISCO CCENT	Community Emergency Response Team	CompTIA A+ 801	CompTIA A+ 802
	10 Alamance-Burlington													136	85	1	364								
	20 Alexander													47	40		119								
	30 Alleghany													17	12		32				12				
	40 Anson													3			8								
	50 Ashe													11	12	1	52								
	60 Avery													31	28	1	81								
	70 Beaufort							5					5	36	19		89								
	80 Bertie													18	2		24								
	90 Bladen							38					38	68	22	1	116								
	100 Brunswick													85	69	1	257	1							
	110 Buncombe													134	169	3	575		1						
	111 Asheville		4	3	37	2								8	13		40								
	120 Burke													171	131	4	459								
	130 Cabarrus	8	7	5	7			11		2	25	22	13	141	204	3	508	1					6		
	132 Kannapolis		1		10					2		5		47	29		116								
	140 Caldwell		1	2	6			8					9	78	77		245								
	150 Camden													2	13		30								
	160 Carteret													21	73	1	137		1		5				
	170 Caswell													17	16		66								
	180 Catawba									3	7			114	76		338								
	181 Hickory	3	2	1	24			7					7	24	19		64								
	182 Newton-Conover													29	12		80								

LEA	LEA or charter school	A+A9+C6:E8+C6:F8+C6:G+C6:AF6	Adobe Illustrator	Adobe InDesign	Adobe Photoshop	Adobe Premiere	Advanced Customer Service and Sales Certification	Alarms & Communications (FIP# 3003)	ASE G1 - MLR	AutoCAD Certified User	Autodesk Inventor Certified User	Autodesk Revit Architecture Certified User	Building Construction (FIP# 3022)	Career Readiness Credential: Bronze	Career Readiness Credential: Gold	Career Readiness Credential: Platinum	Career Readiness Credential: Silver	Carolina Certified Plant Professional	Certified Guest Service Professional (CGSP)	Certified SolidWorks Associate (CSWA)	Certified Welders for Welding Code AWS D.1. - 2010	CISCO CCENT	Community Emergency Response Team	CompTIA A+ 801	CompTIA A+ 802
190	Chatham													53	63		175								
200	Cherokee							12					12	18	27		53								
210	Chowan													18	1		20								
220	Clay													12	9		23								
230	Cleveland	10	4	4	12									85	86		318								
240	Columbus													38	20		108	2							
241	Whiteville													3	5		14								
250	Craven		1	51				24		21	3	5	20	60	59		227								
260	Cumberland							17					17	257	302		899								
270	Currituck													25	18		94								
280	Dare		4	4	13									6	8		17								
290	Davidson													177	161	2	556								
291	Lexington													32	13		53								
292	Thomasville													35	5		39								
300	Davie		3		8	7			8	25	16	22		19	48	1	106								
310	Duplin													99	40		201								
320	Durham													140	94	1	307						6		
330	Edgecombe													74	10	1	117								
340	Winston-Salem/Forsyth							4					4	135	185	4	553						15		
350	Franklin	11	23	23	43	8								54	27		131						12		
360	Gaston							21					18	264	175	3	672								
370	Gates													7	15	1	47								

LEA	LEA or charter school	A+A9+C6;E8+C6;F8+C6;G+C6;AF6	Adobe Illustrator	Adobe InDesign	Adobe Photoshop	Adobe Premiere	Advanced Customer Service and Sales Certification	Alarms & Communications (FIP# 3003)	ASE G1 - MLR	AutoCAD Certified User	Autodesk Inventor Certified User	Autodesk Revit Architecture Certified User	Building Construction (FIP# 3022)	Career Readiness Credential: Bronze	Career Readiness Credential: Gold	Career Readiness Credential: Platinum	Career Readiness Credential: Silver	Carolina Certified Plant Professional	Certified Guest Service Professional (CGSP)	Certified SolidWorks Associate (CSWA)	Certified Welders for Welding Code AWS D.1 - 2010	CISCO CCENT	Community Emergency Response Team	CompTIA A+ 801	CompTIA A+ 802
	380 Graham													8	2		15								
	390 Granville													39	50		150								
	400 Greene													53	14		83								
	410 Guilford													397	270	6	989								
	420 Halifax				4					52	5	20		28	1		37				1				37
	421 Roanoke Rapids													11	21		79								
	422 Weldon													12			6								
	430 Harnett							11					17	134	85		301								
	440 Haywood													42	52		195								
	450 Henderson				2			8					10	106	73	1	332								
	460 Hertford													24	6		37								
	470 Hoke													100	37		138								
	480 Hyde													7			7								
	490 Iredell-Statesville													108	106		331								
	491 Mooresville									8		4		27	24		93								
	500 Jackson													13	9		44								
	510 Johnston	29	34	22	70	17								157	236	3	709								2
	520 Jones													1			1								
	530 Lee	17	19	22	72	6				5	17			80	50		172								
	540 Lenoir													105	23		220								
	550 Lincoln		2	2	5	1				13	10	5		61	44	1	224								
	560 Macon													8	6		59								

LEA	LEA or charter school	A+A9+C6:EB+C6:F8+C6:G+C6:AF6	Adobe Illustrator	Adobe InDesign	Adobe Photoshop	Adobe Premiere	Advanced Customer Service and Sales Certification	Alarms & Communications (FIP# 3003)	ASE G1 - MLR	AutoCAD Certified User	Autodesk Inventor Certified User	Autodesk Revit Architecture Certified User	Building Construction (FIP# 3022)	Career Readiness Credential: Bronze	Career Readiness Credential: Gold	Career Readiness Credential: Platinum	Career Readiness Credential: Silver	Carolina Certified Plant Professional	Certified Guest Service Professional (CGSP)	Certified SolidWorks Associate (CSWA)	Certified Welders for Welding Code AWS D.1. - 2010	CISCO CCENT	Community Emergency Response Team	CompTIA A+ 801	CompTIA A+ 802
570	Madison													24	15		56								
580	Martin													33	13		53								
590	McDowell							14					13	80	57	2	201						7		
600	Charlotte-Mecklenburg													381	457	10	1263								89
610	Mitchell													16	23	1	67			5					
620	Montgomery									16				27	19		88								
630	Moore													52	52		229								
640	Nash							11					9	135	88		363								
650	New Hanover		1		5					2	4			138	102	2	440								
660	Northampton									1				4			3								
670	Onslow								5	14	38		35	6	186	210	1	610					22		
680	Orange													42	53		127								
681	Chapel Hill-Carrboro										6	4		11	49	5	30					2		1	2
690	Pamlico													19	7		44								
700	Elizabeth City/Pasquotank							31					26	30	40		108								
710	Pender													79	106	1	306								
720	Perquimans							16					11	17	8		53						6		
730	Person													40	22		86								
740	Pitt	1	11	7	11		7	11					11	216	157	2	523								
750	Polk													15	23		71								
760	Randolph		15	16	13									127	111		402								
761	Asheboro		5	4	6									21	27		62				19				

LEA	LEA or charter school	A+A9+C6:E8+C6:F8+C6:G+C6:AF6	Adobe Illustrator	Adobe InDesign	Adobe Photoshop	Adobe Premiere	Advanced Customer Service and Sales Certification	Alarms & Communications (FIP# 3003)	ASE G1 - MLR	AutoCAD Certified User	Autodesk Inventor Certified User	Autodesk Revit Architecture Certified User	Building Construction (FIP# 3022)	Career Readiness Credential: Bronze	Career Readiness Credential: Gold	Career Readiness Credential: Platinum	Career Readiness Credential: Silver	Carolina Certified Plant Professional	Certified Guest Service Professional (CGSP)	Certified SolidWorks Associate (CSWA)	Certified Welders for Welding Code	AWS D.1. - 2010	CISCO CCENT	Community Emergency Response Team	CompTIA A+ 801	CompTIA A+ 802
770	Richmond									8		12		95	33	163										
780	Robeson													252	83	535										
790	Rockingham							15					33	62	47	168										
800	Rowan-Salisbury													173	41	283										
810	Rutherford													117	83	2	253									
820	Sampson													76	71	230										
821	Clinton													15	17	59										
830	Scotland													38	21	100										
840	Stanly													86	52	194										1
850	Stokes													53	40	157										
860	Surry	1	5	37	6						4	10		73	75	1	283									
861	Elkin		20	21	20									9	15	34										
862	Mount Airy													12	9	34										
870	Swain													12	7	32										
880	Transylvania													41	58	126										
890	Tyrrell													2	3	10										
900	Union	13	20	20	28			16		69	16	52	16	143	284	8	542									
910	Vance	4	1	1	15		8							30	17	77								16		
920	Wake	33	46	67	158	63	1	11		116	34	52	20	343	816	18	1463					3		38	25	5
930	Warren													12	4	18										
940	Washington				3									12	3	20										
950	Watauga													25	28	78										

LEA	LEA or charter school	A+A9+C6;E8+C6;F8+C6;G+C6;AF6	Adobe Illustrator	Adobe InDesign	Adobe Photoshop	Adobe Premiere	Advanced Customer Service and Sales Certification	Alarms & Communications (FIP# 3003)	ASE G1 - MLR	AutoCAD Certified User	Autodesk Inventor Certified User	Autodesk Revit Architecture	Certified User	Building Construction (FIP# 3022)	Career Readiness Credential: Bronze	Career Readiness Credential: Gold	Career Readiness Credential: Platinum	Career Readiness Credential: Silver	Carolina Certified Plant Professional	Certified Guest Service Professional (CGSP)	Certified SolidWorks Associate (CSWA)	Certified Welders for Welding Code	AWS D.1. - 2010	CISCO CCENT	Community Emergency Response Team	CompTIA A+ 801	CompTIA A+ 802
960	Wayne	20	58	64	74			1						7	48	1		39									
970	Wilkes														116	99	5	380									
980	Wilson														95	32		219									
990	Yadkin		19	23	24										46	18		132									
995	Yancey														26	17		52									
32L	Voyager Academy														1	6	1	5									
36C	Mountain Charter																										
58B	Bear Grass Charter														3	1		7									
84B	Gray Stone Day																										
90A	Union Academy																	1									
91B	Henderson Charter																										
	Northeast Regional School of																										
94Z	Biotech/Agri														1	12		15									
Grand		150	305	312	758	110	16	297	22	381	147	248	322	8080	7233	99	23646	4	2	6	39	2	128	153	12		
Total																											

LEA or charter school	Concepts of Entrepreneurship and Management	Cpht Certified Pharmacy Technician	CPR	Customer Service and Sales Certification	Electronics Technicians Association EM1	Electronics Technicians Association EM4	Emergency Medical Care (FIP# 3016)	EMT Basic	EverFI	Fire & Life Preparedness (FIP# 3021)	Fire Behavior (FIP# 3004)	Fire Hose, Streams, & Appliances (FIP# 3011)	First Aid	Foam Fire Streams (FIP# 3012)	Forbible Entry (FIP# 3007)	Fundamentals Marketing Concepts	Health and Wellness (FIP# 3024)	Intuit Quickbooks Certified User	Ladders (FIP# 3010)	Lead Teacher Equivalency Certification	Loss Control (FIP# 3014)	Mayday (FIP# 3026)	Microsoft Access	Microsoft Excel	Microsoft MTA 98-366: Networking Fundamentals
Alamance-Burlington			98						131				92										122	126	
Alexander									14														11	12	
Alleghany			15						2																
Anson									18				20										29	42	
Ashe			24						17																
Avery																							7	8	
Beaufort			39				10		115	4	10	10	38	10	5		10			5	5	4	22	35	
Bertie									12																
Bladen			66				36		22	30	35	33	28	31	37		35		38		38	30			
Brunswick			69						142				68										52	58	
Buncombe			177						30				59										141	177	
Asheville									92														1	4	
Burke			108				29		38	30	30	26	57	23			43						28	40	
Cabarrus			226				25	13	114	11	40	12	43		10		52		16		10	11	113	139	
Kannapolis			40																				11	19	
Caldwell			89				14		237	7	14	14	89	14	8		14		8		8	7	35	61	
Camden			34						39				34												
Carteret			21						79				7							1			58	61	
Caswell																1									
Catawba			82						195				82										140	147	
Hickory							9			9	8			9	7		9		7		7		36	37	
Newton-Conover																							9	21	

LEA or charter school	Concepts of Entrepreneurship and Management	Cpht Certified Pharmacy Technician	CPR	Customer Service and Sales Certification	Electronics Technicians Association EMT	Electronics Technicians Association EMA	Emergency Medical Care (FIP# 3016)	EMT Basic	EverFI	Fire & Life Preparedness (FIP# 3021)	Fire Behavior (FIP# 3004)	Fire Hose, Streams, & Appliances (FIP# 3011)	First Aid	Foam Fire Streams (FIP# 3012)	Forcible Entry (FIP# 3007)	Fundamentals Marketing Concepts	Health and Wellness (FIP# 3024)	Intuit Quickbooks Certified User	Ladders (FIP# 3010)	Lead Teacher Equivalency Certification	Loss Control (FIP# 3014)	Mayday (FIP# 3026)	Microsoft Access	Microsoft Excel	Microsoft MTA 98-366: Networking Fundamentals
Chatham			7						68						16	12							23	24	
Cherokee							16		16		14	15					16		12				15	16	
Chowan			6																				9	7	
Clay			10																						
Cleveland			150						147				23										64	64	
Columbus		6	24										24												
Whiteville			18						23				9											4	
Craven			77				44	7	78		45	43	77	44	24				25		23		73	91	
Cumberland			205				26		484	14	26	26	187	26	17				17		17	14	390	390	
Currituck			31										31												
Dare									29																
Davidson									32														317	332	
Lexington																								1	
Thomasville			23						47				23										4	7	
Davie			72						130				15										27	28	
Duplin			106						137														51	86	
Durham									52														52	60	
Edgecombe																									
Winston-Salem/Forsyth	3		165				3		50	7		3	25	4	7								70	94	
Franklin			7						23														75	83	
Gaston			162				21		19	6	21	21	133	21	21				18		21	6	265	311	
Gates			19						33				19												

LEA or charter school	Concepts of Entrepreneurship and Management	Cpht Certified Pharmacy Technician	CPR	Customer Service and Sales Certification	Electronics Technicians Association EM1	Electronics Technicians Association EM4	Emergency Medical Care (FIP# 3016)	EMT Basic	EverFI	Fire & Life Preparedness (FIP# 3021)	Fire Behavior (FIP# 3004)	Fire Hose, Streams, & Appliances (FIP# 3011)	First Aid	Foam Fire Streams (FIP# 3012)	Forcible Entry (FIP# 3007)	Fundamentals Marketing Concepts	Health and Wellness (FIP# 3024)	Intuit Quickbooks Certified User	Ladders (FIP# 3010)	Lead Teacher Equivalency Certification	Loss Control (FIP# 3014)	Mayday (FIP# 3026)	Microsoft Access	Microsoft Excel	Microsoft MTA 98-366: Networking Fundamentals
Graham																									
Granville			17						16														26	28	
Greene			38										38											1	
Guliford		5	579						48				461				2			24			18	75	5
Halifax									34																
Roanoke Rapids			22						20				23										6	7	
Weldon									15																
Harnett			122				38			10	40	34	92	50	18			57		27	26	12	65	126	
Haywood			57						55														30	43	
Henderson			81		6	1	10		140	8	12	8	44	13	9			11		9	6	9	61	103	
Hertford																							2	4	
Hoke			66						19				21										7	18	
Hyde			2						1				2												
Iredell-Statesville			68																				200	197	
Mooreville			45										45										23	25	
Jackson			16										16												
Johnston			287		15	3			286				56							5			214	240	
Jones																									
Lee			7															34					144	147	
Lenoir			76						41				77												2
Lincoln			119						83														96	113	
Macon			19																						

LEA or charter school	Concepts of Entrepreneurship and Management	Cpht Certified Pharmacy Technician	CPR	Customer Service and Sales Certification	Electronics Technicians Association EMI	Electronics Technicians Association EMA	Emergency Medical Care (FIP# 3016)	EMT Basic	EverFI	Fire & Life Preparedness (FIP# 3021)	Fire Behavior (FIP# 3004)	Fire Hose, Streams, & Appliances (FIP# 3011)	First Aid	Foam Fire Streams (FIP# 3012)	Forbible Entry (FIP# 3007)	Fundamentals Marketing Concepts	Health and Wellness (FIP# 3024)	Intuit Quickbooks Certified User	Ladders (FIP# 3010)	Lead Teacher Equivalency Certification	Loss Control (FIP# 3014)	Mayday (FIP# 3026)	Microsoft Access	Microsoft Excel	Microsoft MTA 98-366: Networking Fundamentals
Madison			16										8											18	3
Martin			33						17				34										16	17	
McDowell			46				24			12	22	23		20	15		26		14	6	14	17	2	3	
Charlotte-Mecklenburg	9																						68	148	
Mitchell		21							59														36	36	
Montgomery		28																							
Moore		39																							
Nash		91					27			7	17	23	86	23	13		28		14		14	8	40	80	
New Hanover		144							139				75					1					31	87	
Northampton		5											6												
Onslow		223					11		192		15	17	224	13	7		21		7		7		42	98	
Orange																									
Chapel Hill-Carrboro									13															2	
Pamlico		14											14										3	6	
Elizabeth City/Pasquotank		42					31		128	24	34	30	36	30	30		35		27		25	24			
Pender		79							125				57										4	5	
Perquimans		12								6			12		16				14		16	7	16	22	
Person		31							44				14												
Pitt		221	9				28		226	11	33	33	212	33	11		33		11	7	11	11	77	107	
Polk		22							26				22										8	10	
Randolph		158							122				30										3	58	
Asheboro		66							37				54										26	25	

LEA or charter school	Concepts of Entrepreneurship and Management	Cpht Certified Pharmacy Technician	CPR	Customer Service and Sales Certification	Electronics Technicians Association EM1	Electronics Technicians Association EM4	Emergency Medical Care (FIP# 3016)	EMT Basic	EverFI	Fire & Life Preparedness (FIP# 3021)	Fire Behavior (FIP# 3004)	Fire Hose, Streams, & Appliances (FIP# 3011)	First Aid	Foam Fire Streams (FIP# 3012)	Forcible Entry (FIP# 3007)	Fundamentals Marketing Concepts	Health and Wellness (FIP# 3024)	Intuit Quickbooks Certified User	Ladders (FIP# 3010)	Lead Teacher Equivalency Certification	Loss Control (FIP# 3014)	Mayday (FIP# 3026)	Microsoft Access	Microsoft Excel	Microsoft WTA 98-366: Networking Fundamentals
Richmond			22						119														49	49	
Robeson			50						104																
Rockingham			122				36		8		40	45	122	42	17			43		32		15	13	68	80
Rowan-Salisbury			157						80				73												
Rutherford			32										14												
Sampson									137											3				17	28
Clinton			13						23															2	10
Scotland			40						66				12												
Stanly			67			39	11		18														21	23	
Stokes			94						117				82										32	31	
Surry			77						77				67										12	22	
Elkin			11						37														2	5	
Mount Airy									12														15	15	
Swain			21						41				20												
Transylvania																							15	14	
Tyrrell			4																						
Union			170				24		703	21	23	24	52	23	16			27		16		15	21	215	294
Vance			35	8					24				37				8								2
Wake	1	14	187				28	4	483	17	28	27	74	28			14	28		9	47	16		614	825
Warren								5																	
Washington		1	12						57				12												1
Watauga																									

LEA or charter school	Concepts of Entrepreneurship and Management	Cpht Certified Pharmacy Technician	CPR	Customer Service and Sales Certification	Electronics Technicians Association EM1	Electronics Technicians Association EM4	Emergency Medical Care (FIP# 3016)	EMT Basic	EverFI	Fire & Life Preparedness (FIP# 3021)	Fire Behavior (FIP# 3004)	Fire Hose, Streams, & Appliances (FIP# 3011)	First Aid	Foam Fire Streams (FIP# 3012)	Forcible Entry (FIP# 3007)	Fundamentals Marketing Concepts	Health and Wellness (FIP# 3024)	Intuit Quickbooks Certified User	Ladders (FIP# 3010)	Lead Teacher Equivalency Certification	Loss Control (FIP# 3014)	Mayday (FIP# 3026)	Microsoft Access	Microsoft Excel	Microsoft MTA 98-366: Networking Fundamentals
Wayne	13	26	6506	17	60	15	530	29	7131	188	543	512	3732	473	307	25	628	42	339	106	302	210	4917	6249	8
Wilkes			147						54				116										127	126	
Wilson			32										11										90	95	
Yadkin			20						65				24										19	24	
Yancey			31						2				6							5			55	82	
Voyager Academy																							13	13	
Mountain Charter									2									1							
Bear Grass Charter			13																						
Gray Stone Day																									
Union Academy																									
Henderson Charter																									
Northeast Regional School of Biotech/Agri																									

LEA or charter school	Microsoft MTA 98-367: Security Fundamentals	Microsoft MTA 98-368: Mobility and Device Fundamentals	Microsoft PowerPoint	Microsoft Word	MTA 98-375 HTML 5 Application Developer Fundamentals	National Consortium for Health Science Education (NCHSE) Assessment	National Safety and Machinery Operation Certification	NC Beef Quality Assurance	NC Hunter Safety Course	NC Pork Quality Assurance & Certification	NC Private Pesticide Applicator	NCCER Credential	NIMS Measurement, Materials, and Safety	North Carolina Nurse Aide I	Orientation & Safety (FIP# 3001)	OSHA 10-Hour Construction Industry Certification	OSHA 10-Hour General Industry (Agriculture) Certification	OSHA 10-Hour General Industry Training	Personal Protective Equipment (FIP# 3006)	Portable Extinguishers (FIP# 3005)	Printed Advertising and Design	Printed Digital File Preparation
Alamance-Burlington			385	375				45	175			373		45								
Alexander			60	57					67					9		6						
Alleghany			7	7				19				47				32						
Anson			84	60																		
Ashe			21	22										10		19						
Avery			33	34					61		1		59									
Beaufort			94	96					30			173		5	10	83		67	10	10		
Bertie			27	27																		
Bladen			9	3					163	12		196		22	32	61			36	36		
Brunswick			212	198					29			23		10		5						
Buncombe			577	544					59			190		88		2						
Asheville			7	16										7		4						
Burke			168	164					11			26		19	33				45	54		
Cabarrus			426	410		8			3			166		13	41	27		24	41	44		
Kannapolis			101	110																		
Caldwell			91	87								186		30	14				14	14		
Camden			43	38					18								10					
Carteret			278	273												121	7	7				
Caswell			10	10										4								
Catawba			453	444					66					62				11				
Hickory			133	127								13			9				8	8		
Newton-Conover			98	94										13								

LEA or charter school	Microsoft MTA 98-367: Security Fundamentals	Microsoft MTA 98-368: Mobility and Device Fundamentals	Microsoft PowerPoint	Microsoft Word	MTA 98-375 HTML 5 Application Developer Fundamentals	National Consortium for Health Science Education (NCHSE) Assessment	National SafeTractor and Machinery Operation Certification	NC Beef Quality Assurance	NC Hunter Safety Course	NC Pork Quality Assurance	NC Pork Quality Assurance & Certification	NC Private Pesticide Applicator	NCCER Credential	NIMS Measurement, Materials, and Safety	North Carolina Nurse Aide I Orientation & Safety (FIP# 3001)	OSHA 10-Hour Construction Industry Certification	OSHA 10-Hour General Industry (Agriculture) Certification	OSHA 10-Hour General Industry Training	Personal Protective Equipment (FIP# 3006)	Portable Extinguishers (FIP# 3005)	Printed Advertising and Design	Printed Digital File Preparation
Chatham			69	68									108		17							
Cherokee			75	77											15	15	13		17	15	15	
Chowan			15	16													1					
Clay			47	38			3	4							8							
Cleveland			364	333									437		48		103					
Columbus			151	144					16				29		18		29					
Whiteville			42	40					10													
Craven			246	224									14			45	72			49	45	1
Cumberland			1219	1162				14		14			39		38	26	31	108	26	26		
Currituck			13	14											12							
Dare			45	39									48									
Davidson			906	889									247				35	1				
Lexington			37	31									31				10					
Thomasville			108	102									45									
Davie			119	109		51							165				69					
Duplin			297	331									28				44	13	92			
Durham			109	121													51					
Edgecombe															7							
Winston-Salem/Forsyth			321	285				14					22		113	5	9		5	5		
Franklin			272	258		5							173		2							
Gaston			691	686									144		38	18	117		15	21	21	
Gates			56	53											9							

LEA or charter school	Microsoft MTA 98-367: Security Fundamentals		Microsoft MTA 98-368: Mobility and Device Fundamentals		Microsoft PowerPoint	Microsoft Word	MTA 98-375 HTML 5 Application Developer Fundamentals	National Consortium for Health Science Education (NCHSE) Assessment	National SafeTractor and Machinery Operation Certification	NC Beef Quality Assurance	NC Hunter Safety Course	NC Pork Quality Assurance	NC Pork Quality Assurance & Certification	NC Private Pesticide Applicator	NCCER Credential	NIMS Measurement, Materials, and Safety	North Carolina Nurse Aide I	Orientation & Safety (FIP# 3001)	OSHA 10-Hour Construction Industry Certification	OSHA 10-Hour General Industry (Agriculture) Certification	OSHA 10-Hour General Industry Training	Personal Protective Equipment (FIP# 3006)	Portable Extinguishers (FIP# 3005)	Printed Advertising and Design	Printed Digital File Preparation
Graham			1	1													11								
Granville			130	131											10					13					
Greene			7	8									20		100		10								
Guilford	5	1	889	876		35									122	7	180		33						
Halifax			42	58							23														
Roanoke Rapids			53	48											40				41						
Weldon			23	41																					
Harnett			373	340							27					15		60	180			61	53		
Haywood			135	126													26								
Henderson			245	237							92				140		47	6	61		29	12	11		
Hertford			42	44																					
Hoke			65	59															60		42				
Hyde																									
Iredell-Statesville			277	271			1								4		56				17				
Mooreville			113	113										48											
Jackson			20	20							14						12								
Johnston			717	690							235	21	1	81			39			34					
Jones			8	19							13	16							19						
Lee			352	344											374										
Lenoir			135	121		32											9				1				
Lincoln			209	213			14										74			15	64				
Macon																	16								

LEA or charter school	Microsoft MTA 98-367: Security Fundamentals	Microsoft MTA 98-368: Mobility and Device Fundamentals	Microsoft PowerPoint	Microsoft Word	MTA 98-375 HTML 5 Application Developer Fundamentals	National Consortium for Health Science Education (NCHSE) Assessment	National Safety and Machinery Operation Certification	NC Beef Quality Assurance	NC Hunter Safety Course	NC Pork Quality Assurance	NC Pork Quality Assurance & Certification	NC Private Pesticide Applicator	NCCER Credential	NIMS Measurement, Materials, and Safety	North Carolina Nurse Aide I Orientation & Safety (FIP# 3001)	OSHA 10-Hour Construction Industry Certification	OSHA 10-Hour General Industry (Agriculture) Certification	OSHA 10-Hour General Industry Training	Personal Protective Equipment (FIP# 3006)	Portable Extinguishers (FIP# 3005)	Printed Advertising and Design	Printed Digital File Preparation
Madison	3		15	16											9							
Martin			147	137											1							
McDowell			17	18				24					122			22	13		22	19		
Charlotte-Mecklenburg			411	400	24				18													
Mitchell			51	51					25						24		2					
Montgomery			56	59											19							
Moore			55	50					35						7							
Nash			213	201					12				56		39	26	1		12	31		
New Hanover			318	323	1								77		29							
Northampton			14	16																		
Onslow			375	358				23	44	23			657		2	22	5		25	31		
Orange			48	22											5							
Chapel Hill-Carrboro			3	2																		
Pamlico			20	15									40		7		4	14				
Elizabeth City/Pasquotank			77	61											6	33	40		35	32		
Pender			80	54									430		6							
Perquimans			50	50					8									14				
Person			17	17									170									
Pitt			452	458					23				525		54	33		20	33	33		
Polk			13	14									52		18							
Randolph			433	451		1		68	207	20		6	691		30							
Asheboro			71	61					41						7							

LEA or charter school	Microsoft MTA 98-367: Security Fundamentals	Microsoft MTA 98-368: Mobility and Device Fundamentals	Microsoft PowerPoint	Microsoft Word	MTA 98-375 HTML 5 Application Developer Fundamentals	National Consortium for Health Science Education (NCHSE) Assessment	National SafeTractor and Machinery Operation Certification	NC Beef Quality Assurance	NC Hunter Safety Course	NC Pork Quality Assurance	NC Pork Quality Assurance & Certification	NC Private Pesticide Applicator	NCCER Credential	NIMS Measurement, Materials, and Safety	North Carolina Nurse Aide I	Orientation & Safety (FIP# 3001)	OSHA 10-Hour Construction Industry Certification	OSHA 10-Hour General Industry (Agriculture) Certification	OSHA 10-Hour General Industry Training	Personal Protective Equipment (FIP# 3006)	Portable Extinguishers (FIP# 3005)	Printed Advertising and Design	Printed Digital File Preparation
Richmond			237	236									61										
Robeson			85	90				17	7						30								
Rockingham			192	187											34	41				43	45		
Rowan-Salisbury			148	146									25		61		54						
Rutherford			40	48					17				9		15				12				
Sampson			104	138				29	96				18					13					
Clinton			28	21											6								
Scotland			31	25									131				33		39				
Stanly			153	145				122	29				101				79		64				
Stokes			48	38				20	68	11			37		48		31						
Surry			60	69			36						85				2						
Elkin			31	27																			
Mount Airy			39	38																			
Swain			12	12											11				32				
Transylvania			69	68									19		15								
Tyrrell			5	5																			
Union			691	643		87			45				133		16	27	67		22	24	26		
Vance			48	35									19		2								
Wake			1992	1947	3			2	2				212		7	27	12		29	28	11	22	
Warren													74				14						
Washington			6	8											2								
Watauga													66		3								

LEA or charter school	Microsoft MTA 98-367: Security Fundamentals	Microsoft MTA 98-368: Mobility and Device Fundamentals	Microsoft PowerPoint	Microsoft Word	MTA 98-375 HTML 5 Application Developer Fundamentals	National Consortium for Health Science Education (NCHSE) Assessment	National Safety and Machinery Operation Certification	NC Beef Quality Assurance	NC Hunter Safety Course	NC Pork Quality Assurance	NC Pork Quality Assurance & Certification	NC Private Pesticide Applicator	NCCER Credential	NIMS Measurement, Materials, and Safety	North Carolina Nurse Aide I	Orientation & Safety (FIP# 3001)	OSHA 10-Hour Construction Industry Certification	OSHA 10-Hour General Industry (Agriculture) Certification	OSHA 10-Hour General Industry Training	Personal Protective Equipment (FIP# 3006)	Portable Extinguishers (FIP# 3005)	Printed Advertising and Design	Printed Digital File Preparation
Wayne			374	338				82	166	137	9		47		13	27	73	9		41	35		
Wilkes			383	372								5	21		52								
Wilson			135	153																			
Yadkin			114	109		6							61				36	3					
Yancey			79	60	6				11				52				11						
Voyager Academy			12	10																			
Mountain Charter																							
Bear Grass Charter																	10						
Gray Stone Day			1	1																			
Union Academy																							
Henderson Charter			1	1																			
Northeast Regional School of Biotech/Agri																							
	8	1	20409	19780	33	262	17	470	1949	285	29	13	7903	22	1720	572	1831	118	711	607	622	12	32

LEA or charter school	Printed Introduction to Graphic Communication	Prostact Certificate of Recognition Level One	Prostact Certificate of Recognition Level Two	Rescue (FIP# 3017)	Ropes (FIP# 3009)	S/P2	Safety & Survival (FIP# 3025)	ServSafe® Food Protection Managers Certification	SMAW and/or GMAW	SMAW and/or GMAW and/or GTAW	Sprinklers (FIP# 3019)	Ventilation (FIP# 3008)	Venture Entrepreneurial Expedition	Veterinarian Assisting	WISE Financial	Water Supplies (FIP# 3018)	Workplace Readiness Soft Skills	Grand Total
Alamance-Burlington								82					5					2640
Alexander															20			462
Alleghany								8										210
Anson																		226
Ashe								4	14									287
Avery								7										309
Beaufort		8		4	5	4	4	3	35	11	2	5				2		1133
Bertie																		110
Bladen				30	37		30	26			30	37				28		1530
Brunswick						22												1301
Buncombe						1		35							125			3087
Asheville													19					257
Burke			1					11							28			1747
Cabarrus				11	15		11	18			9	14	18		14	11	2	3124
Kannapolis																		491
Caldwell		4	1	7	9		7	5			7	8	10		82	7		1628
Camden																		261
Carteret								34										1185
Caswell																		124
Catawba								48					18		154			2440
Hickory					7			9				7	7					617
Newton-Conover																		356

LEA or charter school	Printed Introduction to Graphic Communication	Prostart Certificate of Recognition Level One	Prostart Certificate of Recognition Level Two	Rescue (FIP# 3017)	Ropes (FIP# 3009)	S/P2	Safety & Survival (FIP# 3025)	ServSafe® Food Protection Managers Certification	SMAW and/or GMAW	SMAW and/or GMAW and/or GTAW	Sprinklers (FIP# 3019)	Ventilation (FIP# 3008)	Venture Entrepreneurial Expedition	Veterinarian Assisting	WISE Financial	Water Supplies (FIP# 3018)	Workplace Readiness Soft Skills	Grand Total
Chatham								18									1	694
Cherokee		39			12							12						587
Chowan								2										95
Clay																		154
Cleveland								27					14				102	2395
Columbus																		609
Whiteville																		168
Craven					25			5				23						1929
Cumberland				14	17		14	51			14	17	64			14	121	6386
Currituck								14										252
Dare								13							8			234
Davidson								18									11	3684
Lexington																		208
Thomasville								4										442
Davie		13	3					28										1092
Duplin						40		7					19		16			1607
Durham													14				87	1094
Edgecombe								34										243
Winston-Salem/Forsyth					4							5	26				1	2174
Franklin								58					7		17			1312
Gaston				6	19	43	6	59			6	21	20			6	37	4192
Gates								3										262

LEA or charter school	Printed Introduction to Graphic Communication	Prostart Certificate of Recognition Level One	Prostart Certificate of Recognition Level Two	Rescue (FIP# 3017)	Ropes (FIP# 3009)	S/P2	Safety & Survival (FIP# 3025)	ServSafe® Food Protection Managers Certification	SMAW and/or GMAW	SMAW and/or GMAW and/or GTAW	Sprinklers (FIP# 3019)	Ventilation (FIP# 3008)	Venture Entrepreneurial Expedition	Veterinarian Assisting	WISE Financial	Water Supplies (FIP# 3018)	Workplace Readiness Soft Skills	Grand Total
Graham																		38
Granville								4					23					637
Greene								7										379
Guilford						77							11	13	66			5316
Halifax																	11	234
Roanoke Rapids															16			387
Weldon															4	2		115
Harnett		9	2	12	27		12	9			11	27				12		2495
Haywood								3										821
Henderson				9	10	18	9	10			7	7	65		31	7	47	2163
Hertford																		159
Hoke								1									285	918
Hyde													8					27
Iredell-Statesville		8	5					30										1679
Mooreville						3		5					4					580
Jackson																		164
Johnston		4						37					9		30			4283
Jones																		77
Lee								5										1867
Lenoir																		842
Lincoln								10					20					1398
Macon																		108

LEA or charter school	PrintED Introduction to Graphic Communication	Prostact Certificate of Recognition Level One	Prostact Certificate of Recognition Level Two	Rescue (FIP# 3017)	Ropes (FIP# 3009)	S/P2	Safety & Survival (FIP# 3025)	ServSafe® Food Protection Managers Certification	SMAW and/or GMAW	SMAW and/or GMAW and/or GTAW	Sprinklers (FIP# 3019)	Ventilation (FIP# 3008)	Venture Entrepreneurial Expedition	Veterinarian Assisting	WISE Financial	Water Supplies (FIP# 3018)	Workplace Readiness Soft Skills	Grand Total
Madison																		183
Martin								2								71		574
McDowell				17	15		17	1			17	15				17		1170
Charlotte-Mecklenburg													89					3367
Mitchell								11										428
Montgomery								17										329
Moore						3								1			24	583
Nash				5	13		8	61			6	9	7			7		1784
New Hanover								21							68			2008
Northampton																		49
Onslow					9	36		39	6	5		6			14			3684
Orange								2								56		355
Chapel Hill-Carrboro								10					8					148
Pamlico								6										213
Elizabeth City/Pasquotank				20	26		22	2			21	28		2	61	21		1218
Pender								31										1363
Perquimans				6	16		7				5	15				4		407
Person								1					19					461
Pitt				11	11	7	11	36			11	11	20			11		3791
Polk								1										295
Randolph		14	12					9						13	1	102		3138
Asheboro								14					19			199		745

LEA or charter school	PrintED Introduction to Graphic Communication	ProStart Certificate of Recognition Level One	ProStart Certificate of Recognition Level Two	Rescue (FIP# 3017)	Ropes (FIP# 3009)	S/P2	Safety & Survival (FIP# 3025)	ServSafe® Food Protection Managers Certification	SMAW and/or GMAW	SMAW and/or GMAW and/or GTAW	Sprinklers (FIP# 3019)	Ventilation (FIP# 3008)	Venture Entrepreneurial Expedition	Veterinarian Assisting	WISE Financial	Water Supplies (FIP# 3018)	Workplace Readiness Soft Skills	Grand Total
Richmond													39				80	1203
Robeson													10					1263
Rockingham				13	15	1	14	3			4	32			28	13	4	1677
Rowan-Salisbury								8							72		63	1441
Rutherford																		659
Sampson								25										985
Clinton								11										205
Scotland								2									34	572
Stanly						34		8										1247
Stokes								14					16					937
Surry								31					43		30		2	1108
Elkin								13										245
Mount Airy																	26	200
Swain															28			228
Transylvania																		425
Tyrrell																		29
Union				21	16	40	21	86		5	21	16		5		21	87	4991
Vance								23							24		5	439
Wake	138	40	6	16	14	135	16	159			16		67		118	19	183	10977
Warren																		127
Washington																		137
Watauga						10		15										225

LEA or charter school	PrintED Introduction to Graphic Communication	ProStart Certificate of Recognition Level One	ProStart Certificate of Recognition Level Two	Rescue (FIP# 3017)	Ropes (FIP# 3009)	S/P2	Safety & Survival (FIP# 3025)	ServSafe® Food Protection Managers Certification	SMAW and/or GMAW	SMAW and/or GMAW and/or GTAW	Sprinklers (FIP# 3019)	Ventilation (FIP# 3008)	Venture Entrepreneurial Expedition	Veterinarian Assisting	WISE Financial	Water Supplies (FIP# 3018)	Workplace Readiness Soft Skills	Grand Total
Wayne					7			7				8	27					2368
Wilkes								8							20			1963
Wilson								1										721
Yadkin																	39	876
Yancey						32		2										418
Voyager Academy																		35
Mountain Charter																2	6	11
Bear Grass Charter																		34
Gray Stone Day																		2
Union Academy																		1
Henderson Charter																		2
Northeast Regional School of Biotech/Agri																		28
	138	139	30	202	329	502	209	1432	55	21	187	323	758	22	1178	200	1586	140097

CONCLUSIONS

Since 2010-2011, secondary North Carolina Career and Technical Education students have benefitted from the ability to earn business and industry-recognized credentials, often at no cost to the student. Students have entered the workforce or further education better able to demonstrate proficiency in skills that are important to employers.

Priorities for the coming year include the following:

- The list of credentials will be further expanded.
- NC CTE will continue to focus on developing better ways to collect and report on credential data.
- The state will refine a process to comply with the NC General Assembly's newly approved law that provides for bonuses for teachers of students who earn selected credentials.
- NC CTE will begin to develop a mechanism to report on secondary students' credential attainment to the Office of Career, Technical and Adult Education of the U.S. Education Department. Reporting directly on credential attainment of secondary CTE students is anticipated to be required under the upcoming reauthorization of the Carl Perkins Career and Technical Education Act.

REFERENCES

- Austin, J. T., Mellow, G.O., Rosin, M, and Seltzer, M., (2012) *Portable, Stackable Credentials: A new education model for industry-specific career pathways*, McGraw-Hill Research Foundation. Downloaded from <http://www.jff.org/sites/default/files/publications/materials/Portable%20Stackable%20Credentials.pdf>
- Bielick, S., Cronen, S., Stone, C., Montaquila, J., and Roth, S. (2013), *The adult training and education survey (ATES) Pilot Study: Technical Report (NCES 2013-190)*. U.S. Department of Education, Washington DC: National Center for Education Statistics. Downloaded from <http://nces.ed.gov/pubs2013/2013190.pdf>
- Ewert, S., and Kominski, R. (2014). *Measuring Alternative Educational Credentials: 2012*, Washington, D.C., US Department of Commerce, US Census Bureau. Downloaded from <http://www.census.gov/prod/2014pubs/p70-138.pdf>
- Massie, M. (2014). *Credential Data Pioneers: Forging new partnerships to measure certifications and licenses*. Workforce Data Quality Campaign, Washington DC. Downloaded from <http://www.workforcedqc.org/sites/default/files/images/WDQC%20Credentials%20Paper%20April%202014.pdf>