

**STATE BOARD OF COMMUNITY COLLEGES**

**NORTH CAROLINA COMMUNITY COLLEGE SYSTEM  
ANNUAL CURRICULUM PROGRAM APPROVAL/TERMINATION**

The attached is a report of curriculum approvals and terminations that were approved by the North Carolina State Board of Community Colleges during 2019.

*Data from November 2019 has been included subject to approval by the State Board at the November 18, 2019 meeting. Any special program applications approved by the President during the month of December 2019 will be added to the report.*

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# North Carolina Community College System

## Curriculum Program Approvals and Terminations January - December 2019

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## Executive Summary

The State Board is authorized in Rule 1D SBCCC 400.95 to approve programs consistent with the System's mission. The approval processes include curriculum applications (traditional or special) depending on the program type. Community colleges must have State Board of Community Colleges approval to offer a curriculum program prior to implementation.

Approval of curriculum programs is justified by student interest and current and future employment needs within the state. Each college must certify that the program will enhance the workforce of North Carolina, will provide educational and training opportunities consistent with the mission of the college, and will not duplicate the opportunities currently offered. Each college must also certify that they have assessed the need for the program and the resources required to maintain a viable program and that the college can operate the program efficiently and effectively within the resources available to the college.

The college is required to submit a program accountability report that includes items such as student success measures, enrollment trends, completion rates, and employment data three years after implementation of the program.

Colleges may seek approval to offer programs that are new to the System (the curriculum program does not currently exist in the System), or seek approval to offer an established program (the curriculum program is an existing program title within the System).

Instructional Service Agreements (Level III) are utilized when two or more colleges jointly offer a curriculum program. In concordance with Rule 1D SBCCC 400.96 (c), these agreements involve the sharing of resources, may include the sharing of FTE and must be approved by the NC Community College System Office.

From January 2019 through December 2019, a total of **56** curriculum programs were approved and/or reported to the State Board of Community Colleges. Of the **56** approved programs, **49** programs were existing curriculum program titles, **4** programs were under **one** New-to-the-System program titles, and **3** were Level III Instructional Service Agreements.

### **The New to the System programs are:**

Public Safety Administration (A55480)

(Four colleges received approval for this new program.)



**Curriculum Program Terminations:**

Per rule 1D SBCCC 400.95 (b), community colleges shall terminate a curriculum program when there has been no enrollment for two consecutive years or if the college has not offered the program or has not had enrollment in the program within two years of the date the program was approved by the State Board of Community Colleges. The college may request a one-year extension of the program upon justification of the potential for employment opportunities and student enrollment.

From January 2019 through December 2019, the North Carolina Community College System received program termination requests from **15** colleges. The colleges requested termination of one or more of their curriculum programs resulting in the termination of **33** curriculum programs system-wide.



**Curriculum Program Approvals and Terminations  
Curriculum Program Approvals  
by Type**

**Traditional Curriculum Program Applications**

The traditional curriculum program application process is required for all New-to-the-System curriculum program titles and all existing program titles that have not been identified as eligible for the abbreviated process.

New-to-the-System Curriculum Program Title Applications .....	1
Public Safety Administration (A55480)	
Existing Curriculum Program Title Applications .....	34

**Subtotal: 35**

**Special Curriculum Program Applications (Abbreviated Process)**

The State Board of Community Colleges has established an abbreviated or “special application” approval process for existing program titles that have been identified as necessary to meet an immediate or critical need.

Special Curriculum Program Applications.....	18
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**Subtotal: 18**

**Instructional Service Agreements (Level III)**

Instructional Service Agreements (Level III) are utilized when two or more colleges jointly offer a curriculum program. These agreements are approved by the NC Community College System Office, involve the sharing of resources and may include the sharing of FTE.

Instructional Service Agreements (Level III) .....	3
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**Subtotal: 3**

**Curriculum Program Approvals                      Total: 56**

**Traditional Curriculum Program Approvals by Community College  
(New and Existing Program Titles)**

<b>Brunswick Community College .....</b>	<b>1</b>
Emergency Medical Science (A45340)	
<b>Caldwell Community College and Technical Institute.....</b>	<b>2</b>
Human Services Technology (A45380)	
Human Services Technology/Mental Health (A4538C)	
<b>Cape Fear Community College .....</b>	<b>2</b>
Anesthesia Technology (A45330)	
Cyber Crime Technology (A55210)	
<b>Central Carolina Community College .....</b>	<b>4</b>
Advanced Medical Coding (Diploma) (D45530)	
Air Conditioning, Heating and Refrigeration Technology (A35100)	
Electrical Systems Technology (A35130)	
Mechanical Engineering Technology (A40320)	
<b>Central Piedmont Community College .....</b>	<b>1</b>
Polysomnography (A45670)	
<b>Durham Technical Community College .....</b>	<b>1</b>
Culinary Arts (A55150)	
<b>Edgecombe Community College .....</b>	<b>1</b>
Emergency Medical Science (A45340)	
<b>Forsyth Technical Community College .....</b>	<b>2</b>
Aviation Electronics (Avionics) Technology (A60150)	
Aviation Systems Technology (A60200)	
<b>Haywood Community College.....</b>	<b>1</b>
Practical Nursing (Diploma) (D45660)	
<b>Isothermal Community College .....</b>	<b>1</b>
Equine Business (A15270)	
<b>Lenoir Community College.....</b>	<b>2</b>
Advertising and Graphic Design (A30100)	
Electroneurodiagnostic Technology (A45320)	
<b>McDowell Technical Community College .....</b>	<b>4</b>
Applied Engineering Technology (A40130)	
Cyber Crime Technology (A55210)	
Emergency Medical Science (A45340)	
Mechatronics Engineering Technology (A40350)	
<b>Montgomery Community College .....</b>	<b>2</b>
Facility Maintenance Technology (A50190)	
Sustainable Agriculture (A15410)	
<b>Piedmont Community College .....</b>	<b>1</b>
Public Safety Administration (A55480)*	
<b>Randolph Community College .....</b>	<b>1</b>
Agribusiness Technology (A15100)	



<b>Richmond Community College</b> .....	<b>1</b>
Emergency Medical Science (A45340)	
<b>Rockingham Community College</b> .....	<b>1</b>
Agribusiness Technology (A15100)	
<b>Rowan-Cabarrus Community College</b> .....	<b>1</b>
Healthcare Management Technology (A25200)	
<b>South Piedmont Community College</b> .....	<b>2</b>
Associate in Engineering (A10500)	
Digital Media Technology (A25210)	
<b>Southeastern Community College</b> .....	<b>1</b>
Agribusiness Technology (A15100)	
<b>Surry Community College</b> .....	<b>2</b>
Applied Animal Science Technology (A15280)	
Project Management Technology (A25390)	
<b>Wake Technical Community College</b> .....	<b>1</b>
Mammography (Certificate) (C45830)	
<b>Total</b> .....	<b>35</b>

*\*New to the System Program*





Special Curriculum Program Approvals by Community College  
(Abbreviated Approval Process)

<b>Alamance Community College</b> .....	<b>1</b>
Foodservice Technology (Diploma) (D55250)	
<b>Asheville-Buncombe Technical Community College</b> .....	<b>1</b>
Public Safety Administration (A55480)*	
<b>Bladen Community College</b> .....	<b>2</b>
Mechatronics Engineering Technology (A40350)	
Public Safety Administration (A55480)*	
<b>Carteret Community College</b> .....	<b>1</b>
Building Construction Technology (A35140)	
<b>Central Carolina Community College</b> .....	<b>1</b>
Human Services Technology/Substance Abuse (A4538E)	
<b>Forsyth Technical Community College</b> .....	<b>1</b>
Mechatronics Engineering Technology (A40350)	
<b>Isothermal Community College</b> .....	<b>1</b>
Human Services Technology/Animal-Assisted Interactions (A4538F)	
<b>Martin Community College</b> .....	<b>2</b>
Entrepreneurship (A25490)	
Welding Technology (A50420)	
<b>McDowell Technical Community College</b> .....	<b>1</b>
Air Conditioning, Heating and Refrigeration Technology (A35100)	
<b>Nash Community College</b> .....	<b>1</b>
Human Services Technology/Substance Abuse (A4538E)	
<b>Sampson Community College</b> .....	<b>1</b>
Public Safety Administration (A55480)*	
<b>Wake Technical Community College</b> .....	<b>1</b>
Human Services Technology/Gerontology (A4538B)	
<b>Western Piedmont Community College</b> .....	<b>3</b>
Early Childhood Administration (Certificate) (C55850)	
Esthetics Instructor (Certificate) (C55270)	
Esthetics Technology (Certificate) (C55230)	
<b>Wilson Community College</b> .....	<b>1</b>
Building Construction Technology (A35140)	
 <b>Total</b> .....	 <b>18</b>

*\*Represents a new-to-the-system program*

**Curriculum Program Terminations  
by Community College**

<b>Blue Ridge Community College</b> .....	<b>4</b>
Community Spanish Interpreter (A55370)	
Environmental Science Technology (A20140)	
Phlebotomy (Certificate) (A45600)	
School-Age Care (Certificate) (C55450)	
<b>Brunswick Community College</b> .....	<b>1</b>
Electronics Engineering Technology (A40200)	
<b>Caldwell Community College and Technical Institute</b> .....	<b>3</b>
Human Services Technology (A45380)	
Human Services Technology/Mental Health (A4538C)	
Landscaping and Gardening (A15260)	
<b>Cape Fear Community College</b> .....	<b>3</b>
Anesthesia Technology (A45330)	
Cyber Crime Technology (A55210)	
Real Estate Licensing (Certificate) (C25480)	
<b>Forsyth Technical Community College</b> .....	<b>2</b>
Cyber Crime Technology (A55210)	
Environmental Science Technology (A20140)	
<b>Gaston College</b> .....	<b>1</b>
Healthcare Business Informatics (A25510)	
<b>Isothermal Community College</b> .....	<b>1</b>
Office Administration (A25370)	
<b>Piedmont Community College</b> .....	<b>6</b>
Film and Video Production Technology (A30140)	
Health Care Technology (Certificate) (C45350)	
Medical Assisting (Diploma) (D45920)**	
Nurse Aide (Diploma) (D45970)**	
Phlebotomy (Certificate) (C45600)	
Phlebotomy (Diploma) (D45950)**	
<b>Richmond Community College</b> .....	<b>1</b>
Nonprofit Leadership and Management (A25410)	
<b>Sampson Community College</b> .....	<b>1</b>
Emergency Management (A55460)	
<b>South Piedmont Community College</b> .....	<b>1</b>
Advertising and Graphic Design (A30100)	
<b>Tri-County Community College</b> .....	<b>1</b>
Industrial Systems Technology (A50240)	
<b>Vance-Granville Community College</b> .....	<b>3</b>
Nurse Aide (Certificate) (C45840)	
Nurse Aide (Diploma) (D45970)**	
School-Age Care (Certificate) (C55450)	



**Wake Technical Community College ..... 4**  
 Computer Engineering Technology (A40160)  
 Environmental Science Technology (A20140)  
 Industrial Engineering Technology (A40240)  
 Landscape Architectural Technology (A40260)

**Wilkes Community College ..... 1**  
 Manicuring/Nail Technology (Certificate) (C55400)

**Total Program Terminations ..... 33**

1D SBCCC 400.95(b) states the following:

*The college shall terminate a curriculum program when there has been no enrollment for two consecutive years or if the college has not offered the program or has not had enrollment in the program within two years of the date the program was approved by the State Board of Community Colleges. A college may request a one year extension of a curriculum program upon justification of the potential for employment opportunities and student enrollment.*

*\*\*Represents a program major under the Health Science: Therapeutic and Diagnostic Services curriculum standard which requires that the college already have approval for the primary curriculum program. These program majors provide a foundation for success in nursing and the allied health programs and increase the individual’s successful completion of Health Science programs while providing the graduate with the skills needed for an entry-level job in health care.*

# Appendices

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>January 18, 2019</b>		
Isothermal CC	Equine Business (A15270)	<ul style="list-style-type: none"> <li>• Isothermal's service area has a variety of equine sporting venues. Rutherford and Polk counties are home to over 10,200 horses, a surgical equine hospital, three equestrian centers (one of these is recognized as an international equestrian center), and 22 equestrian organizations.</li> <li>• There are approximately 140 equine business and equine related businesses within the colleges service area. Opportunities for graduates will include horse extension specialist, barn managers, equine appraiser, feed and equipment suppliers, equine training, therapeutic horsemanship professionals etc.</li> <li>• There are over 877 certified facilities in Equine Assisted Activities and Therapy (EAAT) that involve over 5,000 instructors nation-wide. In the U.S. these EAAT operations generate \$575 million in revenues to the economy with an additional workforce of 9, 556 jobs. In the state of North Carolina, there are 64 certified facilities generating \$18.5 million in revenue.</li> <li>• The horse industry's economic contribution to the U.S. economy is \$122 billion, with a total employment impact of 1.7 million jobs. (American Horse Council).</li> <li>• The horse industry shows a direct contribution of two billion to the state of North Carolina, along with 36,180 jobs. (American Horse Council Foundation, Economic Impact on the US Horse Industry).</li> <li>• Isothermal's service area is noted as being the 3rd best place to live in the U.S. for equestrian interests. (National Equine Magazine).</li> <li>• The Tryon International Equestrian Center facility includes tack rooms, 12 riding arenas, a 6,000-seat stadium, 1,300 horse stalls and a regulation polo field. The center also includes 9 restaurants and multiple gift shops. Plans are underway for continued growth by adding a luxury hotel with a sports complex. In 2018, this facility hosted the World Equestrian Games (WEG) which is one of the largest global sporting events to be held in the middle of an Olympic cycle with over 70 countries represented with an economic impact of approximately \$400 million.</li> <li>• Many graduates of the program will be able to pursue entrepreneurial opportunities. The college will provide assistance to entrepreneurs through their Small Business Center and content designed specifically for the entrepreneur within the program.</li> <li>• Isothermal Community College has worked closely with community partners to prepare to offer the proposed program. Marydell Farms will assist in providing experiential learning through a variety of topics such as raising foals and handling various ages and genders of horses, proper grooming techniques, stable management equine behavior and interpersonal skills and teamwork. Therapeutic Riding of Tryon will align with ICC to help with the delivery of therapeutic horsemanship skills. An engaged advisory committee comprised of area equine business representatives, entrepreneurs, breeders and educators have assisted in putting together the proposed program.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>January 18, 2019 (Continued)</b>		
Isothermal CC	Equine Business (A15270) (Continued)	<ul style="list-style-type: none"> <li>• Isothermal will be able to provide facilities and equipment to successfully offer the program. Through grants provided by the Golden Leaf Foundation, Appalachian Regional Commission, Carolina Farm Credit, Cannon Foundation and the Center for Occupational Research and Development, ICC has been able to begin construction of a 3,500 square foot barn with stalls, a covered arena, and the necessary fencing for the structure.</li> <li>• The college currently offers a curriculum track in Equine Business through its Agribusiness Technology program. Student enrollment continues to increase in the courses primarily devoted to an Introduction to the Equine Industry and Equine Production.</li> <li>• Over the past four years Isothermal CC has trained over 289 students in continuing education courses covering content such as grooming, horsemanship, equine health, and careers in the equine industry.</li> <li>• If approved for the program, ICC plans to provide a Career and College Promise pathway for high school students.</li> <li>• FENCE (Foothills Equestrian Nature Center) provided a letter of support for the proposed program and stated: We are proud of the promising future of our region and recognize that the equine and human health, equestrian sport, animal science and agribusiness industries are emerging as driving forces in our economic development. It is important to find ways to leverage this development so that all segments of our community benefit from the job opportunities created in these industries.</li> <li>• Marydell Farm provided a letter of support and indicated: There is a significant need in developing our agriculture region in animal and equine science, specifically as it addresses the skills and knowledge needed in genetics, disease, farm management, business and marketing, and therapeutic animal assistance. We believe our community will strengthen as a result.</li> </ul>
Randolph CC	Agribusiness Technology (A15100)	<ul style="list-style-type: none"> <li>• Community stakeholders have identified agriculture as a gap in their current workforce related to knowledge and available educational opportunities that would support agriculture in Randolph County. It was identified that farmers know how to farm but don't always know how to run a business.</li> <li>• Within the state of North Carolina, Randolph County is rated #1 in beef and goat production, #2 in dairy cattle production and #6 in hay production. (NC Cooperative Extension Office).</li> <li>• Over 150,000 acres of land are dedicated to farming in Randolph County, across almost 1,500 farms, which accounts for over 30% of the land in the county. (USDA National Agriculture Statistics Service)</li> <li>• There is an aging of the farmers in Randolph county with the average age of 58 years. It is therefore important for the county's economic stability to support the next generation of farmers and agricultural industry workers.</li> <li>• There will be entrepreneurial opportunities for graduates. Randolph CC supports entrepreneurs through their Small Business Center.</li> <li>• If approved for the program, RCC plans to pursue bilateral agreement with NC State University and University of Mount Olive.</li> <li>• The high schools within the college's service area have active Future Farmers of America clubs.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>January 18, 2019 (Continued)</b>		
Randolph CC	Agribusiness Technology (A15100) (Continued)	<ul style="list-style-type: none"> <li>• Randolph CC plans to develop a Career and College Promise high school pathway if approved for the program.</li> <li>• The Associate Dean and Director of the College of Agriculture and Life Sciences at North Carolina State University provided a letter of support and indicated that Agriculture is a significant driver of the economy in Randolph County, and this program will allow a new generation of farmers to enter the agriculture industry. There are 600-700 students currently participating in Randolph County school agricultural education programs. There are 19 Future Farmers of America teachers and advisors in Randolph County at the high school and middle school levels. This figure puts Randolph third in the state behind only Johnston and Wake County.</li> <li>• The Interim County Extension Director from the NC Cooperative Extension office provided a letter of support and stated More and more high school students, especially our more traditional agriculture students are turning to the community colleges to help them meet their educational goals.</li> <li>• The President of the Asheboro/Randolph Chamber of Commerce provided a letter of support and indicated: Those of us that actively monitor the health and well-being of local industries are keenly aware of the vital role agriculture plays in Randolph County's overall economy. It stands as our most significant industry and ranks 10th in North Carolina in the combined production of eight essential agricultural categories. The younger general in Randolph County sees a very optimistic future in agriculture. During the 2017-2018 school year, a combined total of 6,025 students from Asheboro City Schools and the Randolph county School System participated in agricultural-related classes and programs and 9,910 students participated in 4-H programs.</li> <li>• The President of the Randolph Farm Bureau submitted a letter of support and stated: Randolph County Farm Bureau Federation supports agriculture education programs in the county through funding FFA Chapters at the high school and middle school level, 4-H programs, and agriculture-related programs and farm field trips at the elementary school level. The agribusiness technology program would be a valued addition to other courses provided at Randolph community College.</li> <li>• The President of the Randolph County NC Economic Development Corporation provided a letter of support and indicated that they are fully supportive of the success of this initiative and they look forward to serving as a partner with Randolph community College with this program if approved.</li> </ul>
South Piedmont CC	Associate in Engineering (A10500)	<ul style="list-style-type: none"> <li>• The program will enhance the workforce of North Carolina, and will provide educational and training opportunities consistent with the mission of the college.</li> <li>• The college has assessed the need for the program and the facilities and resources required to maintain a viable program and certifies that the college can operate this program efficiently and effectively within the facilities and resources available to the college.</li> <li>• The college has evidence of sufficient student demand to offer the program and will provide master's credentialed faculty for each course provided under the Associate in Engineering degree.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>February 15, 2019</b>		
Central Piedmont CC	Polysomnography (A45670)	<ul style="list-style-type: none"> <li>An estimated 50-70 million adults in the US have chronic sleep and wakefulness disorders. Locally there are no fewer than eight individual sleep centers with only four polysomnography programs in NC. The closest program is more than 60 miles away from Charlotte.</li> <li>An electronic interest survey of CPCC students living in Mecklenburg County enrolled in Health Programs was done on 6/1/2016. A total of 34 students responded to the survey. Of the students surveyed 24 students indicated interest in the program.</li> <li>The U.S. Department of Labor anticipates a 28% increase in demand for Polysomnography technicians in the next ten years in North Carolinas with a 23% increase in demand expected nationally.</li> <li>The median wage for Polysomnography technicians is \$52,000 a year. Projected jobs available in this specialty area is 480 jobs a year with 140 job openings in the Charlotte, NC, area.</li> <li>Career advancement is possible in the sleep sciences field with a degree in Neurodiagnostics and sleep science which is offered locally by UNC-Charlotte. Admission requirements to that program include the Associate Degree in Polysomnography.</li> </ul>
Durham Technical CC	Culinary Arts (A55150)	<ul style="list-style-type: none"> <li>There are over 1,000 food and beverage operations between Durham and Orange counties. In 2016, restaurant establishments employed more than 13,000 visitor-related jobs welcoming and serving over 16 million guests. There are 716 restaurants in Durham County and 249 restaurants in Orange County.</li> <li>DTCC currently offers a Culinary Arts Career Training program through continuing education (CE). This hands-on program provides industry-related skills, as well as certification opportunities in the ServSafe Manager and ServSafe Alcohol, provided by the National Restaurant Association. Since spring 2010, 188 students have successfully completed the CE program of Culinary Arts.</li> <li>The CE program has an existing curriculum pathway with the recently created Hospitality Management program. The Director of the Hospitality program has shared the new curriculum Culinary Arts opportunity with his class, and two-thirds of the students expressed an interest. The potential pathway for a curriculum credit (CU) Culinary Arts program will not only allow a similar relationship, but creates an environment for an entirely new paradigm for how credit and non-credit programs can partner for the benefit of the school, the industry and, most importantly, the students.</li> <li>The American Culinary Federation members reported an average salary of \$74,602 in 2017. There is 3% chef unemployment vs. 4.7% nationwide. Seven (7) of (ten) 10 food service employees say they will continue working in the industry until they retire. (American Culinary Federation Executive Summary, 2017)</li> <li>Statewide, as of 2017, there are 19,043 food and beverage operations in North Carolina employing 378,979 people. These food service establishments were responsible for providing a total of \$6,248,024,799.00 in total annual wages state-wide to service and culinary workers. (North Carolina Department of Commerce)</li> <li>Durham County food services establishments were responsible for \$249,997,532.00 in annual wages, resulting in average weekly salaries of \$349.38 with an average estimated wage between \$8.35 - \$11.71 in 2017. (North Carolina Department of Commerce)</li> </ul>



Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>February 15, 2019 (Continued)</b>		
Durham Technical CC	Culinary Arts (A55150) (Continued)	<ul style="list-style-type: none"> <li>In 2017, Orange County was responsible for \$103,625, 775.00 annual wages and \$346.60 in weekly salaries for food and beverage establishments, with an estimated average wage between \$8.40 - \$11.50. (North Carolina Department of Commerce)</li> <li>Locally, Durham and Orange counties are known for having trendy restaurants offering farm-to-table cuisine, focusing on the sustainability of livestock and produce. Durham has 27 restaurants offering vegan or vegetarian-friendly menus. Durham also hosts the annual Vegfest with over 3,000 attendees gathering to learn about plant-based diets, fresh and new food ideas, helping animals and the environment, and a more health-conscious lifestyle. (VegTriangle.com)</li> <li>In the future, Durham Tech does plan to incorporate a CCP pathway, in support of our guided pathways/metamajors redesign. Northern High School and Cedar Ridge High School have CTE culinary programs and will be a source of recruitment. Perhaps even more indicative of the increased demand for culinary education is the presence of "Kids in the Kitchen" and "Cooking with Kids" programs available in places around Durham and Orange counties as part of summer camp programs. Two such programs are Durham Spirits Company, which hosts a successful camp each summer and Cest si Bon in Chapel Hill, which has a Kid Chef program.</li> <li>Letters of support for the program were received from the Chair of the Hospitality and Tourism Department at North Carolina Central University, and faculty in the Culinary Arts and Hospitality Department at Northern High School and at Cedar Ridge High School.</li> <li>Letters of support were also received from industry partners including the Turas Group which recruits culinary professionals and Aramark which is a company that manages the dining programs at 15 universities within North Carolina.</li> </ul>
Lenoir CC	Electro-neurodiagnostic Technology (A45320)	<ul style="list-style-type: none"> <li>According to the U.S. Bureau of Labor Statistics recent projections, Electoneurodiagnostic Technologists (EDT) are projected to increase 19.7% or 152.9 thousand jobs by 2026.</li> <li>Employment opportunities are available in LCC's direct services areas of Lenoir, Jones, and Greene counties. The program at LCC would increase the number of trained and credentialed technologists allowing needed expansion of neurology services in the service area. Current positions available in the service area are 15.</li> <li>Estimated annual salaries for EDT graduates seeking employment in North Carolina range from \$35,000 - \$47,800.</li> <li>Letters of support received from UNC Lenoir Healthcare, UNC Wayne Healthcare, Sleep Works-MedBridge Healthcare, and Durham VA Healthcare System-Sleep &amp; Neurology Department. "Having a local Neurodiagnostics program would greatly help us fill not only our current positions but our future ones as well." Cindy Dail, Director Cardiopulmonary and Heart Services, UNC- Lenoir Health Care.</li> <li>April 9-23, 2018, the college conducted a survey of 1051 students including LCC students as well as current high school students in Lenoir, Jones and Greene counties. A total of 33 students participated in the survey. Seventy-eight percent of the students expressed interest in the Electroneurodiagnostic Program at LCC.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>February 15, 2019 (Continued)</b>		
Lenoir CC	Electro-neurodiagnostic Technology (A45320) (Continued)	<ul style="list-style-type: none"> <li>LCC has an established polysomnography (PSG) program since 2009. This program will provide support with existing equipment, shared resources, clinical contracts and trained, qualified faculty to assist the new program.</li> <li>Johnny Williams of UNC Wayne Hospital stated "Historically, finding candidates can be extremely difficult due to the lack of EEG programs in our area. Having high quality program thirty minutes down the road would be a welcome addition to our service area."</li> </ul>
McDowell Technical CC	Applied Engineering Technology (A40130)	<ul style="list-style-type: none"> <li>Data from the U.S. Bureau of Labor Statistics indicated an annual growth rate of 5% for mechanical/electrical/process control technician jobs with a median salary of \$55,360.</li> <li>The U.S. Department of Labor Careeronestop for North Carolina listed 60 jobs state-wide for electrical and instrumentation engineering technicians and 399 for mechanical engineering technicians.</li> <li>The college reported that McDowell County is ranked third in the state for the percentage of its workforce that works in manufacturing. Area employers have stated that there is a widening advanced manufacturing skills-gap that is affecting their ability to find qualified individuals to fill their employment needs.</li> <li>Local manufacturers WestRock (Multi Packaging Solutions), Columbia Forest Products, and ABB Motors and Mechanical Incorporated have submitted letters of support to the college for the program.</li> <li>McDowell Chamber of Commerce has submitted a letter of support for the mechatronics and applied engineering programs, stating that there is a demand for qualified employees and for the programs in order to help prepare individuals to meet local manufacturers' hiring needs.</li> <li>Many of skill sets associated with mechatronics have crossover value beyond manufacturing within other types of service and repair industries.</li> <li>MTCC currently offers a successful Industrial Systems program. The transition to applied engineering technology (generalist) will help fill an existing gap in automation and process control competencies necessary for employee success in advanced manufacturing facilities.</li> </ul>
McDowell Technical CC	Cyber Crime Technology (A55210)	<ul style="list-style-type: none"> <li>According to the U.S. Bureau of Labor Statistics, employment of information security analysts is projected to grow 28 percent (28,500 Jobs) from 2016 to 2026, much faster than the average for all occupations.</li> <li>According to the 2017 U.S. Bureau of Labor Statistics, the median hourly pay for Information Security Analysts is \$45.92 per hour.</li> <li>Graduates of the proposed program will also be able to pursue entrepreneurial opportunities.</li> <li>According to the NC Works website there are 126 jobs related to information security in the Northwest prosperity zone, and the Region C Workforce Development Board area.</li> <li>McDowell Technical Community College has a bilateral agreement with Western Governors University to allow students to pursue higher education opportunities after graduating from the proposed program.</li> <li>In November 2018, the college conducted a survey of 100 McDowell Academy for Innovation (MAI) and Career and College Promise students. Twenty percent (20) of the students expressed interest in the proposed Cyber Crime program.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>February 15, 2019 (Continued)</b>		
McDowell Technical CC	Cyber Crime Technology (A55210) (Continued)	<ul style="list-style-type: none"> <li>Chief Alan Lawrence of the Marion Police Department submitted a letter of support and indicated: "Finding qualified employees is of paramount importance to improve and maintain our ability to investigate and prosecute cybercrime. Looking at the larger picture of law enforcement, this same need exists on a national scale. I look forward to expanding our partnership and offering programs that benefit our students, workforce and the community."</li> <li>Sherriff Ricky Buchanan of McDowell County Sheriff Department submitted a letter of support and indicated: "This program will provide students in our community with the necessary skills and degree to work in the field of computer crime investigations and private security."</li> <li>Tracey Wildmann, Principal of the McDowell Academy of Innovation High School submitted a letter of support and indicated: "Our focus is STEM careers and the Cyber Crime Technology program perfectly fits that focus."</li> <li>Steve Bush, Executive Director of the McDowell Chamber of Commerce submitted a letter of support and indicated: "It is my pleasure to support the new Cyber Crime Technology program...I look forward to expanding our partnership and offering programs that benefit our students, workforce, and community."</li> </ul>
McDowell Technical CC	Mechatronics Engineering Technology (A40350)	<ul style="list-style-type: none"> <li>Data from the U.S. Bureau of Labor Statistics indicated an annual growth rate of 4% for electro-mechanical technician jobs with a median salary of \$56,740.</li> <li>The U.S. Department of Labor Careeronestop for North Carolina listed 60 jobs state-wide for electrical and instrumentation engineering technicians and 399 for mechanical engineering technicians.</li> <li>The college reported that McDowell County is ranked third in the state for the percentage of its workforce that works in manufacturing. Area employers have stated that there is a widening advanced manufacturing skills-gap that is affecting their ability to find qualified individuals to fill their employment needs.</li> <li>Local manufacturers WestRock (Multi Packaging Solutions), Columbia Forest Products, and ABB Motors and Mechanical Incorporated have submitted letters of support to the college for the program.</li> <li>McDowell Chamber of Commerce has submitted a letter of support for the mechatronics and applied engineering programs, stating that there is a demand for qualified employees and for the programs in order to help prepare individuals to meet local manufacturers' hiring needs.</li> <li>Many of skill sets associated with mechatronics have crossover value beyond manufacturing within other types of service and repair industries.</li> <li>MTCC currently offers a successful Industrial Systems program. The transition to mechatronics will help fill an existing gap in automation and process control competencies necessary for employee success in advanced manufacturing facilities.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>March 15, 2019</b>		
Central Carolina CC	Air Conditioning, Heating and Refrigeration Technology (A35100)	<ul style="list-style-type: none"> <li>Data from the U.S. Department of Labor O-NET website indicated an annual growth rate between 2016-2026 of 15% growth for HVAC technician job openings.</li> <li>According to data from NCWorks, there were 546 HVAC technician job openings posted state-wide over the past year.</li> <li>A search of the Department of Labor's CareerOneStop website indicated a 16% increase in job openings for HVAC technicians in North Carolina with 1560 openings. Average wages of \$13.22 to \$29.49 per hour were reported.</li> <li>NC Tower, a product of NC Commerce's Labor and Economic Analysis Division, indicated that 93% of 2011-12 Air Conditioning, Heating and Refrigeration Technology graduates were employed or are continuing their education.</li> <li>Local employer Yarborough Heating and Air submitted a letter of support to the college for the program.</li> <li>Lee County Schools submitted a letter of support for the Air Conditioning, Heating, and Refrigeration Technology program.</li> <li>CCCC currently offers popular HVAC courses within their industrial systems program and has the equipment and instructional staff that will be used to make the transition to the new program more manageable and cost effective.</li> </ul>
Central Carolina CC	Electrical Systems Technology (A35130)	<ul style="list-style-type: none"> <li>Data from the U.S. Department of Labor O-NET website indicated an annual growth rate of 10% growth for electrical technician jobs between 2016-2026. According to data from NCWorks.gov, fifty-seven electrician job openings were posted for the Triangle-South Workforce Development Region.</li> <li>A search of the Department of Labor's CareerOneStop website indicated an increase of 10% job openings for electricians in North Carolina earning average wages of \$15.20 to \$29.03 per hour.</li> <li>NC Tower, a product of NC Commerce's Labor and Economic Analysis Division, showed that 99% of 2011-12 electrical systems graduates were employed or are continuing their education.</li> <li>Building permits in Chatham County have increased more than two-fold since 2010. One of the largest planned developments in the country, Chatham Park, will contain 27,000 residential units.</li> <li>Local employer J.S. Howard Electrical Company submitted a letter of support to the college for the program.</li> <li>Lee County Schools submitted a letter of support for the electrical systems technology program.</li> <li>CCCC currently offers several programs that contain popular electrical courses and equipment that will be used in the electrical systems program and should make the transition to the new program more manageable and cost effective.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>March 15, 2019 (Continued)</b>		
Central Carolina CC	Mechanical Engineering Technology (A40320)	<ul style="list-style-type: none"> <li>Data from the U.S. Bureau of Labor Statistics indicated an annual growth rate of 5% for mechanical engineering technician jobs with a median salary of \$55,360.</li> <li>A search of the Indeed jobs website indicated that there were approximately five hundred mechanical engineering-related positions available in North Carolina in 2018.</li> <li>Local employers Mertek Solutions and CTI Systems have submitted letters of support to the college for the program.</li> <li>Lee County Schools and the NC Department of Public Instruction, Division of Career and Technical Education have submitted letters of support for the mechanical engineering technology program.</li> <li>CCCC currently offers a CAD program which they will terminate in favor of the Mechanical Engineering Technology program. NC Commerce projects twice the growth rate for mechanical engineering technicians over that of CAD technicians; therefore, graduates of the program would be better positioned in the job market.</li> <li>Lee County Schools Academy of Engineering, which is located at both high schools, will serve as a streamlined pathway into the MET program. The college will offer students the opportunity to dually-enroll in college courses as a means to facilitate their completion of the program while keeping the expense of postsecondary education at a minimum.</li> <li>Many of skill sets associated with mechanical engineering technology have crossover value beyond manufacturing within other types of service and repair industries.</li> </ul>
Forsyth Technical CC	Aviation Electronics (Avionics) Technology (A60150)	<ul style="list-style-type: none"> <li>The U.S. Department of Labor and Statistics projected a 5% increase in avionics technician jobs nationally and an increase of 6% state-wide for 2014-2024.</li> <li>A local jobs survey indicated that there were 35 aviation/avionics technician jobs available with area aviation employers.</li> <li>Projections Central Long-Term projected 13% growth in avionics technician jobs for 2016-26. Median wages are estimated to be \$62,650 annually.</li> <li>The college received letters of support for the program from Aero8, Inc., North State Aviation, Piedmont Propulsion Systems, LLC, Signature Flight Support, Rockwell Collins, and Triumph Group Integrated Systems-Clemmons.</li> <li>FTCC is using \$16.6 million from a bond allocation to build an aviation campus at or near Smith Reynolds Airport which is located only 13.4 miles from the college's main campus.</li> <li>The college is partnering with Jim Shaw's ACE (aviation career education) Academy with plans to bring over 100 middle and high school students to FTCC to introduce them to the types of careers that exist with aviation.</li> <li>The program will provide a career pathway for students attending Carver High School and Quality Education Academy which are conveniently located adjacent to the airport.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>March 15, 2019 (Continued)</b>		
Forsyth Technical CC	Aviation Systems Technology (A60200)	<ul style="list-style-type: none"> <li>The U.S. Department of Labor and Statistics projected a 5% increase in aviation mechanics jobs nationally and an increase of 7% state-wide for 2014-2024.</li> <li>A local jobs survey indicated that there were 35 aviation technician jobs available with area aviation employers.</li> <li>Projections Central Long-Term projected 9.7% growth in aviation technician jobs for 2016-26. Median wages are estimated to be \$61,020 annually.</li> <li>The college received letters of support for the program from Aero8, Inc., North State Aviation, Piedmont Propulsion Systems, LLC, Signature Flight Support, Rockwell Collins, and Triumph Group Integrated Systems-Clemmons.</li> <li>FTCC is using \$16.6 million from a bond allocation to build an aviation campus at or near Smith Reynolds Airport which is located only 13.4 miles from the college's main campus.</li> <li>The college is partnering with Jim Shaw's ACE (aviation career education) Academy with plans to bring over 100 middle and high school students to FTCC to introduce them to the types of careers that exist with aviation.</li> <li>The program will provide a career pathway for students attending Carver High School and Quality Education Academy which are conveniently located adjacent to the airport.</li> </ul>
<b>April 5, 2019</b>		
Caldwell CC & TI	Human Services Technology (A45380)	<ul style="list-style-type: none"> <li>Demographics of Caldwell County show an increase to 18.6 % of people age 65 years or older with Watauga County at 14.9% of the population at 65 years or older. The increase in the percentage of older adults results in an increase in demand for social and mental health services. The national growth rate for employment of Social and Human Service Assistants is projected to be 21% in North Carolina.</li> <li>An estimated need for 25 new Social and Human Services Assistants is expected to meet this need in the college's service area. Similarly, Community Health Workers will be needed to address the social and community needs of older adults. Social and Human Services Assistants also provide education on health and health care related topics to vulnerable populations. There are currently 4 open positions for Community Health Workers and 4 positions for Health Educators with the demand projected to increase.</li> <li>Cannon Memorial Hospital has increased the minimum wage for this area to \$15 per hour. The graduate of the Human Services Technology program will fill roles as social services assistants and community health workers with a median salary of \$29,747 a year.</li> <li>Educational advancement is possible through articulation agreements with neighboring four-year colleges to earn a Bachelor's degree if desired.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>April 5, 2019 (Continued)</b>		
Caldwell CC & TI	Human Services Technology/Mental Health (A4538C)	<ul style="list-style-type: none"> <li>A community health needs assessment was done resulting in a call to action to increase the number of employees needed to enhance behavioral health services in the college's service area. Services for mental health and substance were identified as the community's number one health related need. Suicide rates in Caldwell County are 27% greater than the average suicide rate in North Carolina. The specialty concentration will allow graduates to serve as care givers for people with mental illness and developmental disability.</li> <li>Caldwell Memorial hospital has implemented a plan to add 27 acute mental health beds to the Emergency Services department. An estimated need for 30 new mental health technicians is expected to staff this new facility. Similarly, Cannon Memorial Hospital in Watauga County has received a 6.5-million-dollar grant from the North Carolina Department of Health and Human Services to convert unused adult inpatient medical beds to 27 new inpatient behavioral health beds. This facility will need at least 30 mental health technicians as well as other health care staff.</li> <li>Cannon Memorial Hospital has increased the minimum wage for this area to \$15 per hour. The graduate of the Human Services Technician program can fill roles of social services assistant, psychiatric aide, community health worker as well as psychiatric technician. The median salary is \$30,867 a year. In 2017, Caldwell C3 Comprehensive Care Center opened a facility to provide mental health, substance abuse services and developmental disability programs outpatient in addition to a 12-bed crisis stabilization unit. In the service area currently, there are 24 positions open for Psychiatric/ mental health technicians and 18 positions for Psychiatric Aides</li> </ul>
Cape Fear CC	Anesthesia Technology (A45330)	<ul style="list-style-type: none"> <li>Anesthesia Technology has been on the job training for much of its history. As of 2020, the requirements will change requiring all current anesthesia technicians have an Associate Degree in Anesthesia Technology to remain in practice. New Hanover Regional Medical Center employees many anesthesia technicians in its surgical services area as well as in its multiple free-standing outpatient surgical facilities. New Hanover Regional Medical Center employs over 7000 people in the service area and is one of the largest employers in New Hanover County. New Hanover Regional Medical Center requested Cape Fear Community College offer the necessary degree program to facilitate the attainment of the required degree for its current employees.</li> <li>While there are only currently 3 open positions for anesthesia technicians in the Wilmington area, Anesthesia Technology has an employment growth rate of 15% from 2014 – 2024. With current New Hanover employees as well as interested new students, the program anticipates 8 – 10 students per class. The initial classes will focus on meeting the current needs of the community surgical services providers.</li> <li>Anesthesia Technologists salary in the Eastern part of North Carolina is estimated at \$38,337 per year. There are 95 job postings for anesthesia technologists in North Carolina currently.</li> <li>CFCC's service area is seeing an increase in retirement communities and an aging population. In New Hanover county, 17.3% of the population is 65 years and older. This will be the area's largest health care consumer over the next 10 years. As people age, the incidence of chronic illness, falls and orthopedic impairment increases the need for Anesthesia Technologists.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>April 5, 2019 (Continued)</b>		
Cape Fear CC	Cyber Crime Technology (A55210)	<ul style="list-style-type: none"> <li>• According to the U.S. Bureau of Labor Statistics, employment of information security analysts is projected to grow 28 percent (28,500 Jobs) from 2016 to 2026, much faster than the average for all occupations. According to the same source, the median hourly pay for Information Security Analysts is \$45.92 per hour.</li> <li>• According to projectionscentral.com website, the long-term projections for North Carolina indicate that between 2016 and 2026 there will be almost 1,200 new positions for information security analysts, representing an increase of 33%.</li> <li>• According to glassdoor.com on February 28, 2019, there were 16 jobs related to IT security in the service area of Cape Fear Community College.</li> <li>• According to a recent survey conducted by the college to program advisory members, 55 out of 59 (93.2%) indicated that the local demand for graduates of a cybercrime technology is either "Very strong" or "Somewhat strong."</li> <li>• CFCC is currently working with the cybersecurity and Information Technology departments at UNC Wilmington to negotiate a bilateral articulation agreement allowing CFCC Cybersecurity graduates to transfer credits to UNCW.</li> <li>• The Cyber Crime Technology program represents a response to requests from local employers, particularly local law enforcement agencies, to provide a comprehensive educational opportunity for individuals interested in the field of cybersecurity and cybercrime prevention.</li> <li>• The Cyber Crime Technology program will utilize the advanced computer labs that support the college's various information technologies programs. The existing IT labs include the required software and hardware for the proposed program.</li> <li>• Chief Deputy Ken Sarvis of New Hanover County Sheriff's Office submitted a letter of support and indicated: "This course would mainly concentrate on combating cybercrime. The New Hanover County Sheriff's Office fully supports the comprehensive approach which this program encompasses."</li> <li>• Chief Ralph M. Evangelous of Wilmington Police Department submitted a letter of support and indicated: "In recent years it has become increasingly obvious that we lack a qualified resource pool to hire from for trained and educated cyber criminologist. Cyber-crimes continue to rise with no end in sight. Law Enforcement's lack of qualified resources and the cost prohibited option of in house training has prevented us from establishing a robust cyber-crimes unit." Chief Evangelous adds: "We are in full support of this application and we are hopeful it will become a viable option for our officers and CFCC students."</li> <li>• Additional letters of support for the proposed program were submitted from Dr. Ulku Clark, from the University of North Carolina at Wilmington, and Mr. Zachery Mitchman, from North Carolina Central University.</li> </ul>



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<b>April 5, 2019 (Continued)</b>		
Piedmont CC	Public Safety Administration (A55480)*	<ul style="list-style-type: none"> <li>Local employment opportunities are excellent for individuals pursuing a career in public service including 911 operators, detention officers, sheriff's office employees, and volunteer and full-time fire and rescue workers. A local college survey indicated that there are over 200 such paid positions available in Caswell and Person counties.</li> <li>Economic Modeling Specialists International (EMSI) projected an increase of 8% in law enforcement positions nationally over the next ten years. Other governmental supervisory positions are expected to increase by 10%. Security guard positions are expected to rise 6%. Median pay for police and detectives is \$62,960 nationally.</li> <li>The program is fully supported by the NC Criminal Justice Education and Training Standards Commission (NCCJ Commission) and the NC Private Protection Services Board that also provided letters of support.</li> <li>The college received letters of support for the program from the Caswell County Sherriff's Office, Caswell County Emergency Services, Roxboro Fire Department, Roxboro Police Department, Person County Sherriff's Office, Person County Department of Emergency Services (Director), Person County Department of Emergency Services (EMS Operations), and Person County Department of Emergency Services (911 Operations).</li> <li>The program is supported by members of the Higher Education Committee of the NCCJ Commission which includes Appalachian State University, Gardner-Webb University, Wake Technical CC, and the NC Justice Academy. Several community colleges also showed support for the proposed Public Safety Administration program.</li> <li>The college currently offers many of the courses that constitute the program and plans on offering Career and College Promise pathways from secondary education that have already proven successful. The college believes that the proposed program will also provide an excellent professional development opportunity for the many incumbent workers currently employed in public safety within their service area.</li> </ul>
Rowan-Cabarrus Community College	Healthcare Management Technology (A25200)	<ul style="list-style-type: none"> <li>According to the U.S. Bureau of Labor Statistics, employment of Medical and Health Services Managers is projected to grow 20 percent (72,100 Jobs) from 2016 to 2026, much faster than the average for all occupations.</li> <li>According to the 2017 U.S. Bureau of Labor Statistics, the median hourly pay for medical and health services managers is \$47.29 per hour.</li> <li>According to the NC Works website, there is 68 job openings in Rowan County and 84 Cabarrus County for Healthcare Support Occupations.</li> <li>In February 2019, the college conducted a survey of current Medical Office Administration students. 35 students, or 67% of the students who responded to the survey, expressed an interest in the proposed Healthcare Management Technology program.</li> <li>RCCC is working with the Academy of Health Sciences of the Cabarrus County Schools (CCS) to provide educational opportunities for high school students interested in the proposed program.</li> <li>Dr. Andrew Nance of Atrium Health submitted a letter of support and indicated: "I currently serve as an advisory board member for the Medical Office Administration degree program and feel that updating the degree to reflect Healthcare Management Technology is a logical progression for the needs of our community."</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>April 5, 2019 (Continued)</b>		
Rowan-Cabarrus Community College	Healthcare Management Technology (A25200) (Continued)	<ul style="list-style-type: none"> <li>• Dr. Andrew Nance of Atrium Health submitted a letter of support and indicated: "I currently serve as an advisory board member for the Medical Office Administration degree program and feel that updating the degree to reflect Healthcare Management Technology is a logical progression for the needs of our community."</li> <li>• Executive Director Nancy Litton of the Community Free Clinic submitted a letter of support and indicated: "I believe that our community will support this change and that the college will continue to be able to offer internship and employment services for students in this discipline."</li> <li>• Graduates of the proposed program will also be able to pursue entrepreneurial opportunities.</li> <li>• Required labs, hardware and software are in place to offer the program. Current qualified RCCC instructors are available to teach the courses required for the proposed degree.</li> </ul>
Surry Community College	Applied Animal Science Technology (A15280)	<ul style="list-style-type: none"> <li>• Surry and Yadkin County farmers supply area restaurants with seasonal, locally grown foods including eggs, meats and cheeses. Additionally, the farm-to-table concept is one reason wine tourists are attracted to SCC's region.</li> <li>• Surry and Yadkin rank in the top 10 counties for farm cash receipts for production of cattle, eggs, and dairy. Both counties have an abundance of agricultural production with cash receipts for Surry County totaling close to \$200 million (\$194,129,000) and over \$100 million (\$109,129,000) for Yadkin County. Of these receipts, a majority is gained from animal agriculture. Livestock production comprises 80% (\$156,354,000) of Surry County's and over 70% (\$78,228,000) of Yadkin County's agricultural cash receipts. USDA, 2017.</li> <li>• North Carolina Department of Commerce (2019) industry employment projections, 2017-2026 show a 0.06% annualized growth rate for agriculture, forestry, fishing and hunting with an average weekly wage of \$672.58.</li> <li>• Annualized employment growth rates in sectors related to agricultural tourism: accommodation and foodservices; arts, entertainment, and recreation; and self-employed (includes unpaid family workers) are projected to increase by 45,115 jobs, 10,574 jobs, and 23,521 jobs, respectively (2019). Food manufacturing jobs are expected to increase by 1,712. Although, state data show a modest increase in agriculture jobs, data predict a regional increase in agricultural jobs of 5.8%. (North Carolina Department of Commerce)</li> <li>• Community partners, such as Wayne Farms, have provided Surry County schools with the means to have live labs on three campus: cattle lab at North Surry high school, poultry lab at Surry Central high school, and poultry lab at East Surry high school. Wayne Farms is the 2nd largest employer in Surry County (500-999 employees) and is the 6th largest poultry producer in the United States. (Wayne Farms, 2019)</li> <li>• The college plans to pursue a Career and College Promise pathway(s) for high school students if approved for the program.</li> <li>• The Superintendent of Surry County Schools, Dr. Travis Reeves provided a letter of support and also indicated strong student interest from students in Surry County.</li> </ul>

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<b>April 5, 2019 (Continued)</b>		
Surry Community College	Applied Animal Science Technology (A15280) (Continued)	<ul style="list-style-type: none"> <li>• Thirty-eight percent of the 256 Surry County high school agriculture students surveyed in fall 2018 were interested in an agricultural program at Surry Community College that would lead to a degree/credential. Sixty-four percent responded that they are specifically interested in animal science.</li> </ul>
Surry Community College	Project Management Technology (A25390)	<ul style="list-style-type: none"> <li>• According to the (2019) Economic Modeling Specialists International (EMSI) Regional Trend Report for the region where the college service area is located, there will be 69 new jobs between 2018 and 2029.</li> <li>• According to the (2019) Economic Modeling Specialists International (EMSI) Regional Trend Report for the region where the college service area is located, there median earning rate is \$33.20 dollars per hour.</li> <li>• Graduates of the proposed program will also be able to pursue entrepreneurial opportunities.</li> <li>• The proposed program will be added to Surry CC's offerings using existing hardware, software. Current qualified SCC instructors are available to teach the courses required for the proposed degree.</li> <li>• According to a job search that was conducted on March 8, 2019, using the <a href="http://www.jobs.com">http://www.jobs.com</a> website, there were 19 job vacancies related to project management in the service area of Surry Community College.</li> <li>• Surry Community College is currently working with local high schools to offer the proposed program to high school students as a pathway under CCP/CTE.</li> <li>• The proposed program was presented to the Business, Information Technology, and Engineering Technology academic advisory boards at Surry Community College, in October of 2018. All board members were supportive of the addition of the degree program.</li> <li>• Surry Community College received letters of support for the proposed program from City of Mount Airy Police Department, Nester Hosiery LLC, UNIFI, PVH Corp., and North Surry High School.</li> </ul>
<b>May 17, 2019</b>		
Haywood CC	Practical Nursing (Diploma) (D45660)	<ul style="list-style-type: none"> <li>• Haywood Community College currently offers the Associate Degree in Nursing (A.D.N.), RN Completer (LPN- RN), Medical Assisting and Certified Nursing Assistant (C.N.A.). The program has physical facilities and staff expertise in clinical health care programs.</li> <li>• Trends in Health Care suggest a shift away from inpatient acute care facilities. Extended care and Long-Term Care are increasingly in demand and staffed primarily with the Practical Nurse. Regionally, there are 138 Practical Nursing openings with a projected growth rate of 6.6% from 2017 -2022.</li> <li>• Haywood Community College Service area continues to shift towards an older demographic with 24.4 % of the population being 65 years or older in 2017. That is a 0.8% increase from 2016.</li> </ul>

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<b>May 17, 2019 (Continued)</b>		
Haywood CC	Practical Nursing (Diploma) (D45660) (Continued)	<ul style="list-style-type: none"> <li>Haywood County has a poverty rate of 15.9% compared to the North Carolina Poverty rate of 15.4% and the national poverty rate of 12.7%. The unemployment rate in approximately 16% of the Haywood Community College Service Area is currently below the state and National Poverty rate. Haywood County unemployment rate in 2018 was 3.2%. Secondary to the current economic conditions in Haywood county, many prospective students who desire to enter the nursing profession do not have financial resources to complete a rigorous A.D.N. program.</li> <li>The trend towards extended care coupled with an aging population has led to an increase in the number of new assisted living facilities, nursing homes and home health agencies in the service area. Each of these agencies employ practical nurses. A program development report done with EMSI software shows support for the PN program locally.</li> <li>Licensed Practical Nursing offers a higher financial gain in a shorter time frame than other comparable health science fields. The average salary for a Licensed Practical Nurse is \$45,030 per year which is above the average median annual salary in the service area.</li> <li>If approved for the program, Haywood Community College graduates have the opportunity to progress in the nursing profession by completing a PN to A.D.N pathway and further a RN to BSN pathway.</li> </ul>
South Piedmont CC	Digital Media Technology (A25210)	<ul style="list-style-type: none"> <li>The proposed program is intended to replace the existing Advertising and Graphic Design (A30100) program to align with the local industry needs in the service area of SPCC. The current Advertising and Graphic Design students will be offered a teach out plan to complete their degree under the existing program or switch to the proposed program.</li> <li>Required labs, hardware and software are in place to offer the program. Current qualified SPCC instructors are available to teach the courses required for the proposed degree. No additional expenses are anticipated.</li> <li>According to the NC Department of Commerce's 2014-2024 job outlook, jobs in Digital Media Technology related fields will grow within the Southwest Prosperity Zone (which includes the SPCC service area) at an average annual rate of 2 percent (Approximately 254 jobs) per year.</li> <li>According to the U.S. Department of Labor's Occupational Outlook Handbook, national employment is expected to increase by 9.5 percent (Approximately 14,800 jobs) in the United States from 2016 to 2026.</li> <li>According to the 2017 U.S. Bureau of Labor Statistics, the median or average hourly pay for someone in the digital media occupation is \$32.69 per hour.</li> <li>During the fall semester of 2018, SPCC surveyed 90 randomly selected local high-school students and currently enrolled students in the Advertising and Graphic Design program. Forty-nine (49) out of the Seventy-three (73) students who completed the survey, showed interest in pursuing a credential related to Digital Media Technology.</li> <li>Graduates of the proposed program will also be able to pursue entrepreneurial opportunities.</li> <li>SPCC is considering terminating the current Advertising and Graphic Design (A30100) program as soon as the proposed program is approved.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>May 17, 2019 (Continued)</b>		
South Piedmont CC	Digital Media Technology (A25210) (Continued)	<ul style="list-style-type: none"> <li>Letters of support for the proposed program were received from Forward Design and Print Company, Union County Chamber of Commerce, Union County Public Schools, and Chain Reaction Studios.</li> </ul>
Southeastern CC	Agribusiness Technology (A15100)	<ul style="list-style-type: none"> <li>The 2012 Census indicated that Columbus County ranked in the top ten of all North Carolina counties for the production of grains, oilseeds, dry beans, and dry peas; hogs and pigs, soybeans for beans, corn for grain, wheat for grain, winter wheat for grain, and other crops and hay. Tabor City is known as the "Yam Capital of the World" and Chadbourn is considered "The Strawberry Capital of the World." Tree-based commerce ranging from pecan harvests to lumber production are also important in Columbus County. Cattle, swine, and poultry are also produced in Columbus County.</li> <li>The NC Occupational Trends 2014-2024 estimates that North Carolina will see a 3% increase in job openings for Agricultural and Food Science Technicians and an increase of 12% in Agricultural Equipment Operator positions.</li> <li>DataUSA reports that 2.5 times more people are employed in Agriculture &amp; Forestry jobs than would be expected in a location the size of Columbus County.</li> <li>The 2012 Census of Agriculture indicates there are 731 commercial farms in Columbus County, and the market value of products sold was \$196,518,000, an increase of 39% from the previous census in 2007.</li> <li>Cape Fear Workforce Development Board information indicates that 2,032 people worked for 228 agriculture-related establishments in their region, and workers earned \$17,102,296 in total wages during the third quarter of 2018. The Lumber River Workforce Development Board indicates that 2,822 people worked in 428 agriculture-related establishments in their region, and the workers earned \$23,020,912 in total wages.</li> <li>The average age of the principal farming operators in Columbus County is 58 years. Many farmers are looking forward to retirement and turning their operations over to younger farmers.</li> <li>Graduates of the Agribusiness Technology program will be qualified for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations, wholesale and retail produce management; nursery operations; and environmental and agricultural education.</li> <li>The college plans to pursue a Career and College Promise pathway(s) for high school students if approved for the program.</li> <li>Several letters of support were submitted on behalf of this program, including letters from the Columbus County Community Farmers Market, Livingston Creek Farmers Harvest, LLC., Kipling, Godwin Associates, the Columbus Chamber of Commerce and Tourism, and the Columbus County Extension Office.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>May 17, 2019 (Continued)</b>		
Southeastern CC	Agribusiness Technology (A15100) (Continued)	<ul style="list-style-type: none"> <li>Ms. Jennifer Holcomb, president of the Columbus Chamber of Commerce and Tourism, expressed support for the program and explained that it was in "perfect alignment" with the county's agricultural economy.</li> <li>The Columbus County Extension Director, Mr. Dalton Dockery, indicated, "This program will serve as a catalyst for students who have the desire to remain in the field of agriculture and be able to work in the communities in which they live."</li> </ul>
<b>July 19, 2019</b>		
Central Carolina CC	Advanced Medical Coding (Diploma) (D45530)	<ul style="list-style-type: none"> <li>Central Carolina Community College Advisory Board identified a need for a higher level of medical coding than is offered in the Health Information Technology program. Numerous inquiries were received by potential students who want to pursue remote medical coding as a second career.</li> <li>Employment rates in this specialty are projected to grow 13% between 2016 – 2026. With 440 job opportunities currently open in the Central North Carolina region annually. Projected salary is \$35,350 with the opportunity to work from a home based or remote location.</li> <li>North Carolina Department of Commerce data confirms local job demand is projected to increase 11.1% - 12.5% through 2020.</li> <li>Letters of support were submitted by Dustin Mitchell of 3M Health Information Systems and Audrey Stephenson of Wake Med inpatient coding.</li> <li>Advanced Medical Coding is part of the career pathway in Health Information Technology and could be a starting point for an advanced degree.</li> </ul>
Lenoir CC	Advertising and Graphic Design (A30100)	<ul style="list-style-type: none"> <li>According to the Bureau of Labor statistics (2017), the average median pay for a graphic designer is \$48,700 per year. Additionally, the job outlook for positions such as graphic designers and advertising is expected to grow by 10% in the next seven years.</li> <li>LCC conducted an employer survey which revealed that 87% of employers in their local area will need to hire one graphic designers within the next three years with an expected starting salary of \$31,000-\$35,000 annually. Additionally, 94% of employers agreed that the local area would benefit from the addition of this program and 94% of employers said they would hire graduates from this program.</li> <li>LCC also conducted a student interest survey which indicated 61% of students surveyed were interested in pursuing a career in graphic design whereas 98% of those surveyed said they were interested in enrolling in the advertising and graphic design program at LCC.</li> <li>LCC offers a similar program in Graphic Arts and Imaging and plans to put a greater emphasis on printing production and equipment operation with the addition of this program. Additionally, LCC will not require any additional full-time staffing, facilities, or equipment to offer this program because the graphic arts and imaging program is already in place.</li> <li>Courses within the Advertising and Graphic Design (A30100) program align with high school courses offered by the North Carolina Department of Public Instruction. Because the courses are aligned, there are additional articulation opportunities for high school students who may begin their coursework in high school and transfer it into the Advertising and Graphic Design (A30100) program.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>July 19, 2019 (Continued)</b>		
Lenoir CC	Advertising and Graphic Design (A30100) (Continued)	<ul style="list-style-type: none"> <li>A letter of support was provided by Brandon Potter, owner of Potter photography. Mr. Potter stated, "As an advisory board member, I am committed to the start-up and success of the Advertising and Graphic Design program because of the success I have had as a graduate from a related program at Lenoir Community College (Graphic Arts and Imaging Technology). My commitment to being involved with this program exists because I want to see this program succeed, but also because our community has a growing need for students coming out of this program."</li> <li>Lenoir County Economic Development also provided a letter of support for the program stating, "By establishing this Advertising and Graphic Design program at Lenoir Community College, people interested in this ever-evolving industry will receive the educational training, knowledge and hands-on training necessary to succeed in this field."</li> </ul>
Montgomery CC	Facility Maintenance Technology (A50190)	<ul style="list-style-type: none"> <li>Employment data made available through NCWorks in April indicated that there were 60 facility maintenance positions available within a fifty-mile radius of Troy. There were additional employment opportunities for plumbers, masons, carpenters, and landscapers.</li> <li>A review of job openings using Indeed.com in April indicated that there were forty-five maintenance position openings as well as additional positions that would be supported through the Facility Maintenance program.</li> <li>Letters of support for the program were submitted by Myrick Construction and Montgomery County Schools. Myrick Construction stated that it would hire individuals possessing the skillsets associated with the program.</li> <li>The Montgomery County Commissioners made a commitment for the future students in the county when they committed to build a joint Career and Technical Education building as part of a \$70,000,000 educational complex that will be adjacent to Montgomery Community College. One of the programs identified for the facility is the facility maintenance program.</li> <li>MCC will have worked closely with the local school system. The college plans to offer the program as hands-on face-to-face and will make it available to dual-enrolled Career and College Promise students. An apprenticeship is in development, as well.</li> <li>The skill sets associated with the program have value in service and repair industries which cannot be outsourced to foreign countries, thereby making those careers stable.</li> </ul>
Montgomery CC	Sustainable Agriculture (A15410)	<ul style="list-style-type: none"> <li>According to information provided by the NC Cooperative Extension office in Montgomery County, there are 250 farms located in the county and agricultural-related land accounts for approximately 12% of total county acreage. Of these farms, 59% of them have livestock/poultry, while the remaining farms identify strictly horticulture/row crop farmers. According to the USDA statistical data, the agriculture/food/fiber industries still account for over 35% of the county's total income.</li> <li>Montgomery County is 13th in the state in chicken "boiler" production, 14th in the state for poultry and eggs, and 17th in the state in fruit, nut, and berry trees. Mountaire Farms (chicken) is one of the largest employers in Montgomery County, employing over 140 in their feed mill. According to the USDA 2017 Census of Agriculture – County Data, 64 farms hire 313 farm laborers. O*Net list Agricultural Technicians as one of the top 20 occupations for Montgomery County.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>July 19, 2019 (Continued)</b>		
Montgomery CC	Sustainable Agriculture (A15410) (Continued)	<ul style="list-style-type: none"> <li>A review of current job openings during the week of April 17, 2019 using www.ncworks.gov to search positions near Troy found the following positions: 250 Farm (in the job title), 69 Crop (in the job title), 62 Poultry, 11 Livestock, 2 Plant Nursery, and 34 Landscaper openings.</li> <li>The Montgomery Extension has offered to provide access to specialists, new technology, research findings, and technical assistance when needed once the new program is approved.</li> <li>Molly Alexi, County Extension Director and Jamie Warner, Extension Agent-Agriculture, stated in their letter of support, "If Montgomery Community College was able to offer a Sustainable Agriculture Program, it would play a vital role in helping the total county's protection plan come to fruition and supply the desired training that was asked for by the community when they were surveyed in order to write the Working Lands Protection Plan."</li> <li>Wade Auman, Director of Secondary Education and CTE Programs for Montgomery County Schools, stated in his letter of support, "After performing a feasibility and needs assessment with our local industries, we identified Sustainable Agriculture as a program area that will cover many of the skills deficits expressed by our local agricultural industries. Montgomery County has a large agricultural base and the need for qualified workers necessitates the need for the addition of this program."</li> <li>Brian Hamilton, owner and operator of 5H Diversified Livestock in Montgomery County, stated in his letter of support of the Sustainable Agriculture Program, "As a third generation farmer I can quickly recognize that I am part of a dying breed. The average age owner for an owner/operator in a farm related business is currently 59 years old. Montgomery County is a rural county and it is estimated that about 35% of the county income comes from agriculture."</li> <li>The college plans to pursue a Career and College Promise pathway(s) for high school students if approved for the program.</li> </ul>
<b>August 16, 2019</b>		
Brunswick CC	Emergency Medical Science (A45340)	<ul style="list-style-type: none"> <li>BCC currently offers coursework in emergency medical services through continuing education. The purpose of the AAS Emergency Medical Science program is to meet the growing need for paramedics in the community as well as to create a bridge option for current paramedics to access the educational credentials necessary to meet the requirements of the NC Office of Emergency Services by 2023.</li> <li>The U.S. Bureau of Labor Statistics projects: employment of emergency medical technicians and paramedics is expected to grow by twenty-four percent from 2014 to 2024, much faster than the average for all occupations. Emergencies, such as car crashes, natural disasters, and acts of violence, will continue to create demand for EMTs and paramedics.</li> <li>Brunswick County is the second fastest growing county in the state and the 53rd fastest growing county in the nation. There are 19 current job openings for paramedics and 6 openings for EMT /Advanced EMT trained professionals. Additionally, potential employers surveyed indicated that currently there are 8 positions available for graduates with the AAS in Emergency Medical Science and 8-10 positions projected in the next 2-5 years. The entry level salary is \$35 - \$45,000 per year.</li> </ul>



Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>August 16, 2019 (Continued)</b>		
Brunswick CC	Emergency Medical Science (A45340) (Continued)	<ul style="list-style-type: none"> <li>A Program of Interest Survey was disseminated to all Health Sciences related majors or pre-majors at Brunswick Community College as well continuing education students enrolled in health-related courses. Results revealed 55 students interested in the program. Thirty-nine current paramedics are interested in the AAS and sixteen non-providers or EMTs are interested in the program.</li> <li>Currently, BCC offers emergency medical services through continuing education and already has the equipment and supplies which will minimize expenses.</li> </ul>
<b>September 20, 2019</b>		
Wake Technical CC	Mammography (Certificate) (C45830)	<ul style="list-style-type: none"> <li>The American Cancer Society estimated that in 2015 there would be 231,840 new cases of invasive breast cancer and 60,290 of in situ breast cancer diagnosed among women. In addition, they estimated a diagnosis of breast cancer for approximately 2,350 men. A mammogram is the single most effective method of early detection of breast cancer. The Affordable Care Act requires mammograms to be 100% covered under Medicare and new health insurance plans.</li> <li>Effective January 2016, candidates applying for mammography certification through the American Registry of Radiologic Technologists (ARRT) must document 16 hours of structured education. Overall employment of radiologic and mammography technologists is projected to grow 13 percent from 2016 to 2026, faster than the average for all similar occupations. As the population grows older, there will be an increase in medical conditions that require imaging as a tool for making diagnoses. Mean annual wage is \$58,060 in NC.</li> <li>According to the most recent occupational projections published by the North Carolina Department of Commerce, the North Central prosperity region of the state (which includes Wake County) is expected to experience the largest occupational growth, at 29%, for radiologic technologists (including mammographers) from 2012 to 2022. This projected occupational increase within the North Central prosperity zone is greater than that for the rest of the state for mammographers (24%) and for the nation (21%).</li> </ul>
<b>October 18, 2019</b>		
McDowell Technical CC	Emergency Medical Science (A45340)	<ul style="list-style-type: none"> <li>MTCC currently offers coursework in emergency medical services through continuing education. The purpose of the AAS Emergency Medical Science program is to meet the growing need for paramedics in the community as well as to create a bridge option for current paramedics to access the educational credentials necessary to meet the requirements of the NC Office of Emergency Services by 2023.</li> <li>The U.S. Bureau of Labor Statistics projects: employment of emergency medical technicians and paramedics is expected to grow by fifteen percent from 2016 to 2026, much faster than the average for all occupations. Emergencies, such as car crashes, natural disasters, and acts of violence, will continue to create demand for EMTs and paramedics.</li> <li>McDowell County is a rural county with a stellar continuing education emergency management program with a reputation of preparing its candidates for successful entry into the workplace. There are 11 current job openings for paramedics and 5-10 anticipated openings for paramedic professionals in the next 3 years. The entry level salary is \$35-\$45,000 per year.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>October 18, 2019 (Continued)</b>		
McDowell Technical CC	Emergency Medical Science (A45340) (Continued)	<ul style="list-style-type: none"> <li>Multiple letters of support were received from stakeholders. Seven letters of support for the Associate in Emergency Management were received from Emergency Management Agencies in the service area. The current Medical Director, Dr. Edward St. Bernard states that for over 20 years McDowell Tech has educated EMS professionals for this rural area. Without it there would be a severe shortage of medics. William Kehler, McDowell County Emergency Services Director, adds that McDowell Tech is the primary source of recruitment for their agency. Ricky Wright, McDowell County Rescue Squad Director, states that by enhancing education the population of this area can receive services more effectively and with more knowledge and skills.</li> <li>The program expects to sufficient demand for adults to start this program immediately. The program expects continued growth of Career and College Promise Students from McDowell High School. One hundred and eight adult, MAW and CCP students were surveyed for interest. Fifty four percent of the respondents indicated interest in the Emergency Medical Services program.</li> </ul>
Rockingham CC	Agribusiness Technology (A15100)	<ul style="list-style-type: none"> <li>Agriculture in North Carolina accounts for \$84 billion dollars which constitutes 17% of the state economy and 17% of the state workforce.</li> <li>Rockingham County ranks in the top 50% of the state in the production of hay, tobacco, wheat, cattle, and hogs.</li> <li>Statistics from the US Department of Agriculture and the NC Department of Agriculture reported that there are 902 farms in Rockingham County which make up approximately 112,000 acres that produce more than \$32,804,000.00 in crops and livestock.</li> <li>The average age of the farmers that manage operations in Rockingham County is approximately 60 years of age. There is an evident need to prepare a younger agribusiness workforce in order to continue to produce the needed crops and animals for the state.</li> <li>The NC Occupational Trends 2014-2024 estimates that North Carolina will see a 3% increase in job openings for Agricultural and Food Science Technicians and an increase of 12% in Agricultural Equipment Operator positions.</li> <li>Graduates of the Agribusiness Technology program will be qualified for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations, wholesale and retail produce management; nursery operations; and environmental and agricultural education.</li> <li>The college plans to pursue a Career and College Promise pathway(s) for high school students if approved for the program.</li> <li>RCC also plans to partner with NC State's "PackTrac" and NC A&amp;T to create new agriculture articulation opportunities for RCC students once this program has been established.</li> <li>Several letters of support were submitted on behalf of this program, including letters from Big Apple Farm Supply, the Rockingham County NC Cooperative Extension Office, and Rockingham County Schools. Additionally, several individuals offered their support for the program including representatives from the Reidsville Famers Market, Southern States, Y &amp; W Farm Supply, the Oak House (Agriculture Tourism and Corn Maze), Autumn Creek Vineyard, Farm Credit and a bee keeper and several individual farmers.</li> </ul>

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title (Code)	Rationale for Approval
<b>November 15, 2019</b>		
Edgecombe CC	Emergency Medical Science (A45340)	<ul style="list-style-type: none"> <li>• Edgecombe Community College currently offers coursework in emergency medical services through continuing education. The purpose of the AAS Emergency Medical Science program is to meet the growing need for paramedics in the community as well as to create a bridge option for current paramedics to access the educational credentials necessary to meet the requirements of the NC Office of Emergency Services by 2023.</li> <li>• Edgecombe County's current unemployment rate is 8.1%, exceeding the national average. Healthcare occupations add more jobs on average than any other group of occupations with the expected growth rate to be 19% from 2014 -2024. The U.S. Bureau of Labor Statistics projects: employment of emergency medical technicians and paramedics is expected to grow by twenty-four percent from 2014 to 2024, much faster than the average for all healthcare occupations.</li> <li>• Edgecombe County's aging population with higher than average poverty rate and a high incidence of chronic diseases continues to support a need for emergency healthcare workers.</li> <li>• The Occupational Outlook Handbook published by the Bureau of Labor Statistics reports the median annual wage for EMTs and Paramedics to be \$33,380 in 2017. The entry level salary for paramedics now is \$35,000-\$45,000 per year.</li> <li>• Currently, ECC offers emergency medical services through continuing education and already has the equipment and supplies which will minimize expenses.</li> </ul>
Richmond CC	Emergency Medical Science (A45340)	<ul style="list-style-type: none"> <li>• Richmond Community College currently offers coursework in emergency medical services through continuing education. The purpose of the AAS Emergency Medical Science program is to meet the growing need for paramedics in the community as well as to create a bridge option for current paramedics to access the educational credentials necessary to meet the requirements of the NC Office of Emergency Services by 2023.</li> <li>• The U.S. Bureau of Labor Statistics projects: employment of emergency medical technicians and paramedics is expected to grow by twenty-four percent from 2014 to 2024, much faster than the average for all occupations. Emergencies, such as car crashes, natural disasters, and acts of violence, will continue to create demand for EMTs and paramedics.</li> <li>• According to US Bureau of Labor Statistics Career Outlook, there will be an estimated demand for an additional 184 emergency medical technicians between 2019 – 2028 within a 50-mile radius of Richmond Community College. There are currently 2,792 Emergency Medical Technicians and Paramedics in this same area. There will also be a need to replace those workers as they leave and retire from positions.</li> <li>• A survey of nine potential employers was done in the Richmond and Scotland County area. Six employers expressed interest in the program, two were volunteer only organizations and one gave no response because they did not offer medical science. All the employers who responded positively have plans to hire qualified EMS employees on a regular basis.</li> </ul>

Richmond CC	Emergency Medical Science (A45340) (Continued)	<ul style="list-style-type: none"> <li>• A Program of Interest Survey was disseminated to all junior and senior students in Richmond and Scotland Counties. Results revealed 28% of the high school students expressed interest in the program. Traditional community college students and early college students were surveyed with 85% of traditional students and 15% of early college students expressing interest.</li> <li>• A letter of support was received from First Health Regional EMS System. Barry Britt, Administrative Director, stated the demand for both EMTs and Paramedics far outweigh the available supply.</li> <li>• Currently, Richmond Community College offers emergency medical services through continuing education and already has the equipment and supplies which will minimize expenses.</li> </ul>
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*\*New to the System Program*

Appendix B: Special Curriculum Programs by Month of Approval (Abbreviated Program Application Process)	
Community College	Curriculum Title and Code
<b>January 2019</b>	
Isothermal Community College	Human Services Technology/Animal-Assisted Interactions (A4538F)
Martin Community College	Entrepreneurship (A25490)
Wake Technical Community College	Human Services Technology/Gerontology (A4538B)
<b>May 2019</b>	
Alamance Community College	Foodservice Technology (Diploma) (D55250)
Bladen Community College	Mechatronics Engineering Technology (A40350)
Central Carolina CC	Human Services Technology/Substance Abuse (A4538E)
Martin Community College	Welding Technology (A50420)
McDowell Technical Community College	Air Conditioning, Heating and Refrigeration Technology (A35100)
Nash Community College	Human Services Technology/Substance Abuse (A4538E)
Western Piedmont CC	Early Childhood Administration (Certificate) (C55850)
Western Piedmont CC	Esthetics Instructor (Certificate) (C55270)
Western Piedmont CC	Esthetics Technology (Certificate) (C55230)
<b>July 2019</b>	
Asheville-Buncombe Technical CC	Public Safety Administration (A55480)*
Bladen Community College	Public Safety Administration (A55480)*
Carteret Community College	Building Construction Technology (A35140)
Sampson Community College	Public Safety Administration (A55480)*
Wilson Community College	Building Construction Technology (A35140)
<b>October 2019</b>	
Forsyth Technical CC	Mechatronics Engineering Technology (A40350)

*\*Represents a new-to-the-system*

Appendix C: Instructional Service Agreements (Level III) By Month of Approval		
Curriculum Title and Code	Host College	Participating College
<b>August 2019</b>		
Automotive Systems Technology (A60160)	Randolph CC	Montgomery CC
Computer-Integrated Machining (A50210)	Randolph CC	Montgomery CC
Culinary Arts (A55150)	South Piedmont CC	Montgomery CC

*Instructional Service Agreements (Level III) are utilized when two or more colleges jointly offer a curriculum program. These agreements are approved by the NC Community College System Office, involve the sharing of resources and may include the sharing of FTE.*

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College	Curriculum Title/Code	College Rationale for Termination
<b>January 18, 2019</b>		
Gaston College	Healthcare Business Informatics (A25510)	The content of the program is offered under the college's Information Technology curriculum program.
Piedmont CC	Healthcare Technology (Certificate) (C45350)	No Enrollment for Over Two Years: Duke Hospital requested that the college keep the program for cross training purposes. Duke Hospital was unable to secure the budget to pay their employees to receive the training.
Piedmont CC	Medical Assisting (Diploma) (D45920)**	Low Enrollment: Medical Assisting students can be placed directly into the Medical Assisting program upon admission.
Piedmont CC	Nurse Aide (Diploma) (D45970)**	The Associate in General Education Nursing program meets the needs of students waiting for admission into the nursing program.
Piedmont CC	Phlebotomy (Diploma) (D45950)**	Low Enrollment: The parent program (Phlebotomy (C45600) has been terminated and moved to continuing education. Colleges are unable to maintain approval for this program without the parent program.
Piedmont CC	Phlebotomy (Certificate) (C45600)	Low Enrollment: The content has been moved to continuing education.
Tri-County CC	Industrial Systems Technology (A50240)	Low enrollment. The program was difficult to market to local manufacturers, given conflicting demands regarding what the program should include that were specific to the unique needs of each industry. The college will meet those needs through its Workforce Continuing Education department.
Vance-Granville CC	Nurse Aide (Certificate) (C45840)	No Enrollment for Over Two Years: Students are receiving content through continuing education.
Vance-Granville CC	Nurse Aide (Diploma) (D45970)**	No Enrollment for Over Two Years: Students are receiving content through continuing education.
Vance-Granville CC	School-Age Care (Certificate) (C55450)	No Enrollment for Over Two Years: Students are choosing to enroll in the Early Childhood program to receive content.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College	Curriculum Title/Code	College Rationale for Termination
<b>February 15, 2019</b>		
Forsyth Technical CC	Cyber Crime Technology (A55210)	The content of the program is now offered under the college's Information Technology curriculum program following the Information Technology Alignment Project (ITAP).
Forsyth Technical CC	Environmental Science Technology (A20140)	Low enrollment. State and local positions related to this program have increased entry-level educational requirements to a bachelor degree.
Wake Technical CC	Computer Engineering Technology (A40160)	Low enrollment. There have been no new students or course offerings since spring of 2014. Students are enrolling in the Electronic Engineering Technology program (A40200). This program was terminated locally in 2014 and acknowledged by SACSCOC via letter dated July 10th, 2014. The college has submitted a termination request to close out the program with NCCCS.
Wake Technical CC	Environmental Science Technology (A20140)	No enrollment for two or more years. No new students have entered this program since spring of 2015. This program was terminated locally in 2015 and acknowledged by SACSCOC via letter dated January 4, 2019. The college has submitted a termination request to close out the program with NCCCS.
Wake Technical CC	Industrial Engineering Technology (A40240)	Low enrollment. There have been no new students or course offerings since spring of 2014. This program was terminated locally in 2014 and acknowledged by SACSCOC via letter dated July 10th, 2014. The college has submitted a termination request to close out the program with NCCCS.
Wake Technical CC	Landscape Architectural Technology (A40260)	Low enrollment. The content of the program is offered under the college's Architectural Technology program (A40100). This program was terminated locally in 2014 and acknowledged by SACSCOC via letter dated July 10th, 2014. The college has submitted a termination request to close out the program with NCCCS.
<b>March 15, 2019</b>		
Blue Ridge CC	Community Spanish Interpreter (A55370)	Low enrollment. The profession does not require interpreters to have a degree. The content of the program is now offered in continuing education.



Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College	Curriculum Title/Code	College Rationale for Termination
<b>March 15, 2019 (Continued)</b>		
Blue Ridge CC	Environmental Science Technology (A20140)	Low enrollment. Students can accomplish the same goal by enrolling in the Associate in Science and are choosing not to enroll in this program.
Blue Ridge CC	School-Age Care (Certificate) (C55450)	No enrollment. The profession does not require a certificate to work in a school age/afterschool program. Students have access to EDU coursework in other programs including the Early Childhood Education (A55220) program.
Caldwell CC & TI	Landscaping and Gardening (A15260)	No enrollment. There are no jobs in the college's service area that require an individual to have a degree.
Wilkes Community College	Manicuring/Nail Technology (Certificate) (C55400)	No enrollment. The program was originally intended for dual enrollment students. Due to scheduling changes to the high school block schedule, students were not able to enroll in the certificate courses. The content of the program is now offered in continuing education.
<b>July 19, 2019</b>		
Brunswick Community College	Electronics Engineering Technology (A40200)	Low Enrollment. There is a lack of student interest and employment opportunities for graduates. There is a lack of related industry in the college's service area to support the program. Some of the coursework will be assimilated into other program areas.
Cape Fear CC	Real Estate Licensing (Certificate) (C25480)	Low enrollment. The majority of students are interested in completing the courses required for the NC Real Estate Licensure and not the certificate. The college will continue offering the Real Estate courses under the Business Administration (A25120) program and Continuing Education.
Piedmont Community College	Film and Video Production Technology (A30140)	Low enrollment. There has been a general decline in student enrollment due to the lack of employment opportunities in this field in North Carolina. The decline is related to the removal of the financial incentives extended to the film industry.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College	Curriculum Title/Code	College Rationale for Termination
<b>July 19, 2019 (Continued)</b>		
Richmond Community College	Nonprofit Leadership and Management (A25410)	No Enrollment for Over Two Years. There has been a lack of employment opportunities for graduates within the service area. The college will continue offering Nonprofit Leadership and Management courses through their Business Administration (A25120) program.
Sampson Community College	Emergency Management (A55460)	Low Enrollment. Students are enrolling in other programs at the college, including, but not limited to Emergency Medical Services. Additionally, Sampson Community College plans to add the Public Safety Administration program which will provide additional opportunities for students seeking an administrative degree in public service.
<b>September 20, 2019</b>		
South Piedmont CC	Advertising and Graphic Design (A30100)	Other. The college is replacing Advertising and Graphic Design (A30100) with Digital Media Technology (A25210) which offers more employment opportunities for individuals in the region.
<b>November 15, 2019</b>		
Brunswick CC	Phlebotomy (Certificate) (C45600)	Low Enrollment. Termination is approved due to declining course enrollment over the last several years with only 4 students currently interested in enrollment. The program will shift to CE and EWD courses. Area employers are not currently requiring students to complete an accredited program causing a decline in student enrollment.
Isothermal CC	Office Administration (A25370)	Low Enrollment. The industry in the service area of the college is seeking office administration professionals with more business administration and management skills. The college will offer the Office Administration courses as a Subject Area (Track under the Business Administration (A25120) Program.

**Appendix E:  
Curriculum Program Titles Eligible for the Special Curriculum Program Application Process  
(Abbreviated Approval Process)**

***The following curriculums have been approved by the State Board of Community Colleges for the Special Application process:***

Air Conditioning, Heating, & Refrigeration Tech (A35100)	Lateral Entry (Certificate)(C55430)
Building Construction Technology (A35140)	Masonry (Diploma) (D35280)
Carpentry (Diploma)(D35180)	Mechatronics Engineering Technology (A40350)
Community Spanish Interpreter (A55370)	Medical Office Administration (A25310)
Construction Management Technology (A35190)	Plumbing (Diploma) (D35300)
Electrical Systems Technology (A35130)	Public Safety Administration (A55480)
Entrepreneurship (A25490)	School-Age Care (Certificate)(C55450)
Geomatics Technology (A40420)	Supply Chain Management (A25620)
Industrial Systems Technology (A50240)	Sustainability Technologies (A40370)
Infant/Toddler Care (Certificate)(C55290)	Welding Technology (A50420)
Information Technology (A25590)	

***The following curriculums have been approved by the State Board of Community Colleges for the Special Application process, but require that the college have prior approval for the Cosmetology (A55140) program:***

Cosmetology Instructor (Certificate)(C55160)	Manicuring Instructor (Certificate)(C55380)
Esthetics Instructor (Certificate)(C55270)	Manicuring/Nail Tech. (Certificate)(C55400)
Esthetics Technology (Certificate)(C55230)	

***The following curriculums have been approved by the State Board of Community College for the Special Application process, but requires that the college have prior approval for the Early Childhood Education (A55220) program:***

Early Childhood Administration (Certificate)(C55850)	Early Childhood Preschool (Certificate)(C55860)
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***The following curriculum has been approved by the State Board of Community Colleges for the Special Application process, but requires that the college have prior approval for the Real Estate (A25400) program:***

Real Estate Licensing (Certificate) (C25480)

***The following curriculum has been approved by the State Board of Community Colleges for the Special Application process, but requires that the college have prior approval for the Culinary Arts (A55150) program:***

Foodservice Technology (Diploma) (D55250)

**Appendix E: (Continued)**

**The following curriculums have been approved by the State Board of Community Colleges as eligible for an abbreviated approval process, but requires that the college have prior approval for one of the programs:**

- Associate in Arts (A10100)
- Associate in Fine Arts (A10200)
- Associate in Science (A10400)

**The following curriculums have been approved by the State Board of Community Colleges as eligible for an abbreviated approval process, but requires that the college have prior approval for the Associate in Fine Arts (A10200) program:**

- Associate in Fine Arts in Music (A10700)
- Associate in Fine Arts in Theatre (A10800)
- Associate in Fine Arts in Visual Arts (A10600)

**All concentrations have been approved as eligible by the State Board of Community Colleges for the Special Application Process, but require that the college have prior approval for the parent program.**

**Program majors under the Health Science: Therapeutic and Diagnostic Services curriculum standard require that the college already have approval for the primary curriculum program.**

Example: A college must have approval for Medical Assisting (A45400) to file a program of study for Medical Assisting (D45920). These program majors provide a foundation for success in nursing and the allied health programs and increase the individual's successful completion of Health Science programs while providing the graduate with the skills needed for an entry-level job in health care.

Emergency Medical Science (D45910)  
Medical Assisting (D45920)  
Nursing Aide (D45970)

Pharmacy Technology (D45940)  
Phlebotomy (D45950)  
Therapeutic Massage (D45960)

**Appendix F:  
Contact Information**

For information regarding the content of this report, please contact:

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