



# **North Carolina Community College System**

## **Curriculum Program Approvals and Terminations January - December 2018**

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## Table of Contents

<b>Executive Summary</b> .....	3-4
<b>Curriculum Program Approvals and Terminations</b>	
Curriculum Program Approvals by Type.....	6
Traditional Curriculum Program Approvals by Community College.....	7-8
Special Curriculum Program Approvals by Community College.....	9-10
Curriculum Program Terminations by Community College .....	11-13
<b>Appendices</b>	
Appendix A: Traditional Curriculum Program Approvals by Approval Date .....	15-38
Appendix B: Special Curriculum Programs by Month of Approval .....	39
Appendix C: Instructional Service Agreements (Level III) by Month of Approval .....	40
Appendix D: Curriculum Program Terminations by Date of Information.....	41-51
Appendix E: Curriculum Program Titles Eligible for the Special Curriculum Program Application Process .....	52-53
Appendix F: Contact Information .....	54



## 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 2018 through December 2018, a total of **46** curriculum programs were approved and/or reported to the State Board of Community Colleges. Of the **46** approved programs, **44** programs were existing curriculum program titles, **2** programs were under **two** New-to-the-System program titles, and **0** were Level III Instructional Service Agreements.

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

- Anesthesia Technology (A45330)  
(One college received approval for this new program.)
- Leadership Studies (A25830)  
(One college 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 2018 through December 2018, the North Carolina Community College System received program termination requests from **39** colleges. The colleges requested termination of one or more of their curriculum programs resulting in the termination of **73** 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 .....	2
Anesthesia Technology (A45330)	
Leadership Studies (A25830)	
Existing Curriculum Program Title Applications .....	25

**Subtotal: 27**

### 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 .....	19
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**Subtotal: 19**

### 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) .....	0
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**Subtotal: 0**

**Curriculum Program Approvals                      Total: 46**



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

<b>Alamance Community College</b> .....	<b>1</b>
Agricultural Biotechnology (A20110)	
<b>Asheville-Buncombe Technical Community College</b> .....	<b>1</b>
Physical Therapist Assistant (2-year program) (A45620)	
<b>Blue Ridge Community College</b> .....	<b>1</b>
Nurse Aide (Certificate) (C45840)	
<b>Caldwell Community College and Technical Institute</b> .....	<b>1</b>
Practical Nursing (Diploma) (D45660)	
<b>Carteret Community College</b> .....	<b>4</b>
Associate in Engineering (A10500)	
Automotive Systems Technology (A60160)	
Diesel and Heavy Equipment Technology (A60460)	
Horticulture Technology (A15240)	
<b>Central Carolina Community College</b> .....	<b>1</b>
Collision Repair and Refinishing Technology (Diploma) (D60130)	
<b>College of The Albemarle</b> .....	<b>2</b>
Agribusiness Technology (A15100)	
Emergency Medical Science (A45340)	
<b>Craven Community College</b> .....	<b>1</b>
Aviation Management and Career Pilot Technology (A60180)	
<b>Durham Technical Community College</b> .....	<b>1</b>
Anesthesia Technology (A45330)*	
<b>Edgecombe Community College</b> .....	<b>1</b>
Agribusiness Technology (A15100)	
<b>Fayetteville Technical Community College</b> .....	<b>1</b>
Leadership Studies (A25830)*	
<b>Isothermal Community College</b> .....	<b>2</b>
Dental Assisting (Diploma) (D45240)	
Human Services Technology (A45380)	
<b>Johnston Community College</b> .....	<b>1</b>
Applied Engineering Technology (A40130)	
<b>Lenoir Community College</b> .....	<b>1</b>
Agriculture Education (A15330)	
<b>Martin Community College</b> .....	<b>1</b>
Nurse Aide (Certificate) (C45840)	
<b>Piedmont Community College</b> .....	<b>1</b>
Agribusiness Technology (A15100)	
<b>Rockingham Community College</b> .....	<b>1</b>
Manufacturing Technology (A50320)	
<b>Rowan-Cabarrus Community College</b> .....	<b>2</b>
Automotive Light-Duty Diesel Technology (Diploma) (D60430)	
Mechatronics Engineering Technology (A40350)	
<b>Sampson Community College</b> .....	<b>1</b>
Agribusiness Technology (A15100)	



<b>Wake Technical Community College</b> .....	<b>1</b>
Electroneurodiagnostic Technology (A45320)	
<b>Wayne Community College</b> .....	<b>1</b>
Swine Management Technology (A15150)	
<b>Total</b> .....	<b>27</b>

*\*New to the System Program*





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

<b>Alamance Community College</b> .....	<b>1</b>
Criminal Justice Technology/Forensic Science (A5518C)	
<b>Asheville-Buncombe Technical Community College</b> .....	<b>1</b>
Associate in General Education—Nursing (A1030N)	
<b>Blue Ridge Community College</b> .....	<b>1</b>
Nurse Aide (Diploma) (D45970)**	
<b>Caldwell Community College and Technical Institute</b> .....	<b>2</b>
Industrial Systems Technology (A50240)	
Welding Technology (A50420)	
<b>Central Piedmont Community College</b> .....	<b>1</b>
Associate in General Education—Nursing (A1030N)	
<b>Cleveland Community College</b> .....	<b>1</b>
Associate in General Education—Nursing (A1030N)	
<b>Coastal Carolina Community College</b> .....	<b>1</b>
Associate in General Education—Nursing (A1030N)	
<b>Durham Technical Community College</b> .....	<b>1</b>
Associate in General Education—Nursing (A1030N)	
<b>Fayetteville Technical Community College</b> .....	<b>1</b>
Entrepreneurship (A25490)	
<b>Gaston College</b> .....	<b>1</b>
Human Services Technology/Substance Abuse (A4538E)	
<b>Haywood Community College</b> .....	<b>1</b>
Associate in General Education—Nursing (A1030N)	
<b>Montgomery Community College</b> .....	<b>1</b>
Associate in General Education—Nursing (A1030N)	
<b>Sampson Community College</b> .....	<b>1</b>
Supply Chain Management (A25620)	
<b>Sandhills Community College</b> .....	<b>1</b>
Associate in Fine Arts in Theatre (A10800)	
<b>Stanly Community College</b> .....	<b>2</b>
General Occupational Technology (A55280)	
Human Services Technology/Substance Abuse (A4538E)	
<b>Tri-County Community College</b> .....	<b>2</b>
Associate in General Education—Nursing (A1030N)	
Human Services Technology/Substance Abuse (A4538E)	
<b>Total</b> .....	<b>19</b>

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

*\*\*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.*



## Curriculum Program Terminations by Community College

<b>Alamance Community College</b> .....	<b>1</b>
General Occupational Technology (A55280)	
<b>Asheville-Buncombe Technical Community College</b> .....	<b>5</b>
Cardiovascular Sonography (A45160)	
Central Sterile Processing (Certificate) (C45180)	
Practical Nursing (Diploma) (D45660)	
School-Age Education (A55440)	
Therapeutic Massage (A45750)	
<b>Beaufort County Community College</b> .....	<b>2</b>
Diesel and Heavy Equipment Technology (A60460)	
Electrical Systems Technology (A35130)	
<b>Blue Ridge Community College</b> .....	<b>2</b>
Air Conditioning, Heating, and Refrigeration Technology (A35100)	
Esthetics Instructor (Certificate) (C55270)	
<b>Brunswick Community College</b> .....	<b>4</b>
Associate in General Education (A10300)	
General Occupational Technology (A55280)	
Nurse Aide (Certificate) (C45840)	
Office Administration (A25370)	
<b>Caldwell Community College and Technical Institute</b> .....	<b>1</b>
Medical Assisting (Diploma) (D45920)**	
<b>Cape Fear Community College</b> .....	<b>1</b>
Real Estate (A25400)	
<b>Carteret Community College</b> .....	<b>1</b>
Healthcare Business Informatics (A25510)	
<b>Central Piedmont Community College</b> .....	<b>1</b>
Truck Driver Training (Certificate) (C60300)	
<b>Coastal Carolina Community College</b> .....	<b>2</b>
Criminal Justice Technology/Financial Crime/Computer Fraud (A5518B)	
Nurse Aide (Certificate) (C45840)	
<b>College of The Albemarle</b> .....	<b>1</b>
Marine Science (A15310)	
<b>Durham Technical Community College</b> .....	<b>2</b>
School-Age Education (A55440)	
Sustainability Technologies (A40370)	
<b>Edgecombe Community College</b> .....	<b>2</b>
Cyber Crime Technology (AA55210)	
Mechanical Drafting Technology (A50340)	
<b>Fayetteville Technical Community College</b> .....	<b>2</b>
General Occupational Technology (A55280)	
Nuclear Medicine Technology (A45460)	
<b>Gaston College</b> .....	<b>1</b>
Nuclear Technology (A50460)	



<b>Guilford Technical Community College .....</b>	<b>2</b>
Furniture Upholstery (Diploma) (D50220)	
Nurse Aide (Certificate) (C45840)	
<b>Halifax Community College.....</b>	<b>2</b>
Advertising and Graphic Design (A30100)	
Paralegal Technology (A25380)	
<b>Isothermal Community College .....</b>	<b>1</b>
Associate in General Education (A10300)	
<b>Lenoir Community College .....</b>	<b>3</b>
Aerostructure Manufacturing and Repair Techology (A50450)	
Esthetics Technology (Certificate) (C55230)	
Sustainability Technologies (A40370)	
<b>Montgomery Community College.....</b>	<b>1</b>
Emergency Medical Science (A45340)	
<b>Pamlico Community College.....</b>	<b>1</b>
Human Services Technology/Gerontology (A4538B)	
<b>Piedmont Community College.....</b>	<b>2</b>
Historic Preservation Technology (A35110)	
Human Services Technology/Social Services (A4538D)	
<b>Pitt Community College .....</b>	<b>1</b>
Alternative Transportation Technology (Diploma) (D60420)	
<b>Randolph Community College.....</b>	<b>3</b>
Alternative Transportation Technology (Diploma) (D60420)	
Central Sterile Processing (Certificate) (C45180)	
Office Administration (A25370)	
<b>Robeson Community College .....</b>	<b>1</b>
Medical Assisting (A45400)	
<b>Rowan-Cabarrus Community College .....</b>	<b>2</b>
Health and Fitness Science (A45630)	
Therapeutic Massage (A45750)	
<b>Sampson Community College.....</b>	<b>1</b>
Horticulture Technology (A15240)	
<b>Sandhills Community College.....</b>	<b>1</b>
Polysomnography (A45670)	
<b>South Piedmont Community College.....</b>	<b>1</b>
Therapeutic Massage (A45750)	
<b>Southeastern Community College.....</b>	<b>2</b>
Agricultural Biotechnology (A20110)	
Sustainable Agriculture (A15410)	
<b>Southwestern Community College.....</b>	<b>2</b>
Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) (D45200)	
Manicuring/Nail Technology (Certificate) (C55400)	
<b>Stanly Community College .....</b>	<b>2</b>
Industrial Systems Technology (A50240)	
Manicuring/Nail Technology (Certificate) (C55400)	
<b>Surry Community College .....</b>	<b>1</b>



Entrepreneurship (A25490)	
<b>Tri-County Community College .....</b>	<b>2</b>
Entrepreneurship (A25490)	
Hospitality Management (A25110)	
<b>Wake Technical Community College .....</b>	<b>1</b>
Surgical Technology (A45740)	
<b>Wayne Community College .....</b>	<b>1</b>
Sustainability Technologies (A40370)	
<b>Western Piedmont Community College.....</b>	<b>5</b>
Nurse Aide (Certificate) (C45840)	
Nurse Aide (Diploma) (D45970)**	
Phlebotomy (Certificate) (C45600)	
Phlebotomy (Diploma) (D45950)**	
Sustainability Technologies (A40370)	
<b>Wilkes Community College .....</b>	<b>5</b>
Electronics Engineering Technology (A40200)	
Emergency Medical Science (Diploma) (D45910)**	
Infant/Toddler Care (Certificate) (C55290)	
Medical Assisting (Diploma) (D45920)**	
Paralegal Technology (A25380)	
<b>Wilson Community College .....</b>	<b>2</b>
Fire Protection Technology (A55240)	
Mechanical Engineering Technology (A40320)	
 <b>Total Program Terminations .....</b>	 <b>73</b>

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 19, 2018</b>		
Carteret 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>
College of The Albemarle	Emergency Medical Science (A45340)	<ul style="list-style-type: none"> <li>According to the US Bureau of Labor and Statistics, the national employment growth rate for Emergency Medical Technicians (EMTs) and Paramedics is expected to increase by 26% from 2014 to 2024.</li> <li>In January 2017, the Northeastern Workforce Development Board, utilizing Economic Modeling Specialist Inc., estimated a growth of 29.5% for EMS workers in the region, inclusive of northeast NC and southeastern Virginia, which encompasses the employment market for COA graduates.</li> <li>COA surveyed local employers and determined a strong interest for an EMS curriculum program. Employers indicated currently there are over sixty-five job openings (paid and volunteer) and over the next two years they anticipate one hundred and eight-five job openings.</li> <li>COA surveyed students enrolled at COA, local high schools, and community members. One hundred and thirty-four respondents (68%) indicated they were interested in the EMS program. Of the respondents, thirty-six paramedics through continuing education indicated they were interested in obtaining their associate degree.</li> <li>COA is planning to offer a Career and College Promise pathway for high school students that results in certification and college credit as EMTs.</li> <li>COA received letters of support from the Chief at Gates County Rescue &amp; EMS, the Chair of the Gates County Board of Commissioners, the Chief at Chowan County EMS, and the Director of Perquimans County Emergency Services.</li> </ul>
Piedmont CC	Agribusiness Technology (A15100)	<ul style="list-style-type: none"> <li>Graduates of the program will be able to pursue entrepreneurial opportunities. The college will provide assistance to entrepreneurs through their Small Business Center which will provide business counseling, seminars and workshops.</li> <li>It is estimated that by 2024, North Carolina will see an increase in job openings specifically for Agricultural and Food Science Technicians by 3% and Agricultural Equipment Operators by as much as 12% (NC Occupational Trends 2014-2024)</li> <li>In 2012, Caswell County farms employed 877 workers making up 16.4% of county employment. (2012 Census of Agriculture Caswell County.</li> <li>If approved for the program, PCC plans to pursue bilateral agreements with North Carolina State University and North Carolina Agricultural and Technical State University.</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 19, 2018</b>		
Piedmont CC	Agribusiness Technology (A15100) (Continued...)	<ul style="list-style-type: none"> <li>• If approved for the program, PCC plans to provide a Career and College Promise pathway.</li> <li>• Both Person and Caswell counties have very active Future Farmers of America (FFA) programs. The middle school chapter of FFA in Caswell county is one of the most active middle school FFA chapters in North Carolina. The high school chapter in Person county has been established for over thirty years and currently has over fifty members.</li> <li>• Caswell County Schools provide agriculture education opportunities to students at their traditional high schools. They currently have estimated enrollment of 360 students in these programs and most of these students participate in the Future Farmers of America activities and events.</li> <li>• The Bureau of Labor Statistics predicts that agricultural workers may find opportunities at smaller farms that sell their products directly to consumers through venues such as farmer markets. These direct-to-consumer farms have grown in popularity.</li> <li>• The average age of the principal owner of farms in Caswell County is over 59 years in age. Both landowners and their children are interested in learning about options that will make it feasible to hold onto their land and for the next generation to farm profitably. (Caswell County Farmland Protection Plan)</li> <li>• According to the US Department of Agriculture, half of all current farmers in the United States are likely to retire in the next decade.</li> <li>• Agriculture is a significant driver of the economy in Caswell County with over \$40,535,495 in agriculture production receipts realized in 2014. (NC Agricultural Statistics 2015)</li> <li>• The Director of Academic Programs at the College of Agriculture and Life Sciences at North Carolina State University expressed support for the program and stated that one of the limitations for agriculture has been an insufficient number of well-trained employees. Implementing this new program will increase the number of people going into the field of agriculture and enhance the economic opportunities for Caswell county residents.</li> <li>• The Associate Dean for Academic Studies at NC Agricultural and Technical State University indicates that: This program is relevant to the current needs of not only the communities served by Piedmont Community College, but its surrounding areas, and the State of North Carolina in general. Implementing this new program will enhance the community's health and wellness as well as increase economic development opportunities for these residents.</li> <li>• The owner of Baldwin Family Farms in Yanceyville indicates the program will allow for a new generation of farmers to enter into the agriculture industry while earning their degree and networking in Caswell County.</li> <li>• The Piedmont Progressive Farmers Group (PPFG) is a nonprofit cooperative of farmers which strongly supports the proposed program. The President of PPFG states that: Offering an agriculture degree in Caswell will help build new generations of farmers while retraining and equipping our current farmers to expand their work in the Ag industry.</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 17, 2018</b>		
Wayne CC	Swine Management Technology (A15150)	<ul style="list-style-type: none"> <li>• The US Department of Agriculture projects a five percent growth in employment opportunities in food, agriculture, renewable natural resources and environment occupations between 2015 and 2020 for graduates.</li> <li>• If approved for the program, WCC plans to provide a Career and College Promise pathway.</li> <li>• Wayne County public schools have a very active Future Farmers of American program with participants that would be able to pursue their interest with the proposed program.</li> <li>• According to the US Department of Agriculture, half of all current farmers in the United States are likely to retire in the next decade.</li> <li>• Goldsboro Milling Company, one of the largest swine producers in the United States, has specifically asked for this program to help supply swine farm managers to assist with replacing an aging workforce.</li> <li>• The Wayne County Cooperative Extension Livestock agent is supportive of the program and indicated that: The swine industry is a major component of agriculture here in NC and Wayne county. It is essential to our local economy. Training and educating prospective agriculture workers on swine management is vital to continuing the industry here in Wayne County.</li> <li>• The President of the Wayne County Farm Bureau stated that: Adding a swine management technology degree program will enhance agriculture and create jobs in Wayne County.</li> <li>• The Wayne County Cooperative Extension Director is supportive of the program and stated the following: With livestock, more importantly swine, being a major industry in our local economy, as well as NC, training young and older adults to be competitive in this work force is vital.</li> <li>• The President and Executive Director of the Wayne County Chamber of Commerce noted that Wayne County's history is deeply rooted in agriculture which remains the largest economic engine in our county. With an aging population of farmers and agriculture producers, it is critical to educate the next generation of producers.</li> <li>• The General Manager of the Wayne County Livestock Development Association noted that: Wayne County is ranked fourth in hog production for our state. Livestock production and agribusinesses contribute heavily to our county's economy. Livestock production farms and agribusinesses in our community have a need for trained and qualified graduates.</li> <li>• The Industry Manager of the Wayne County Development Alliance is supportive of the program and stated: The swine industry continues to be a huge economic driver for Wayne County and anything we can do as a business community to support it will definitely benefit our entire community.</li> </ul>



**Appendix A: Traditional Curriculum Program Approvals by  
State Board of Community Colleges Approval Date**

<b>Community College</b>	<b>Curriculum Title /Code</b>	<b>Rationale for Approval</b>
<b>February 17, 2018 (Continued)</b>		
Wayne CC	Swine Management Technology (A15150) (Continued...)	<ul style="list-style-type: none"> <li>The Director of the North Carolina Pork Council is supportive of the proposed program and stated: Six of the top 30 pork production companies have a presence here in NC and five of them make North Carolina their home base. This would be an exciting development for these companies. The specialized classes within this program will go a long way toward providing a skilled workforce for our industry as well as providing our young people with jobs that will enable them to stay in our communities and raise their families here.</li> </ul>
<b>March 16, 2018</b>		
Blue Ridge CC	Nurse Aide (Certificate) (C45840)	<ul style="list-style-type: none"> <li>Currently, BRCC offers Nurse Aide training through continuing education.</li> <li>BRCC's Associate Degree Nursing program requires certification as a Nurse Aide I (CNA I) as part of the application eligibility criteria.</li> <li>The demand for nurse aides in the area has grown exponentially in the last few years. An increasing aging population will have more medical conditions which will require an increase in health care professionals. Research demonstrates a growing shortage of nurse aides both nationally and state-wide.</li> <li>Employment of nurse aides is expected to grow as the baby-boomer population ages. Between 2012 and 2022, the NC Commerce Occupational Outlook has projected a 33.5% increase in jobs for Nurse Aides, Psychiatric Aides and Home Health Aides.</li> <li>Henderson and Transylvania Public Schools systems are interested in the Nurse Aide program being available as a Career and College Promise pathway for their students. Letters of support for the program were submitted to BRCC by the Chief Academic Officer of the Transylvania County Schools and the Principal at Davidson River School.</li> <li>Once BRCC receives approval for the Nurse Aide certificate program, they plan on seeking approval for the Therapeutic and Diagnostic Services-Nurse Aide pathway. This pathway will provide an entry-level career pathway for credit students interested in a health science discipline, provide pre-health students not selected for entry into a health sciences associate degree an alternative educational pathway that can lead to employment, and enable NCC to develop a Career and College Promise (CCP) pathway for high school students.</li> </ul>
<b>April 20, 2018</b>		
Carteret CC	Automotive Systems Technology (A60160)	<ul style="list-style-type: none"> <li>Data from the U.S. Bureau of Labor Statistics suggests a 6% growth in the number of automotive technology jobs over the next ten years.</li> <li>Carteret County commissioned a 2017 Strategic Development Plan to guide its economic development over the next five years. The data indicated that there were 86 automotive technician jobs in the county in 2016. Various job search engines (Monster, Indeed, Glassdoor, and Simplyhired) indicated that there were currently 28 automotive technician jobs available in Carteret County.</li> <li>The median pay for automotive service technicians and mechanics is \$38,470/year or \$18.50/hour based on the 2016 census.</li> <li>Carteret Community College has successfully offered automotive courses their through continuing education program at a facility the college recently acquired and fitted for the 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>April 20, 2018 (Continued)</b>		
Carteret CC	Automotive Systems Technology (A60160) (Continued...)	<ul style="list-style-type: none"> <li>The college has worked with West Carteret High School to begin a Career and College Promise program, based on their receiving approval, where they would offer automotive courses at the high school's currently unutilized automotive shop.</li> <li>Local automotive service facilities including Parker GM and Honda, Kurtis Chevrolet, Mike Tolar Automotive indicated a need to hire and train service technicians. The college expects that additional need will come from the two dozen or so local, independent automotive service shops and inspection stations, as well.</li> <li>Many of skill sets associated with automotive technology have crossover value within the automotive collision and truck repair industries.</li> <li>Graduates of the program will be able to pursue entrepreneurial opportunities that exist for individuals who do mobile repair or repair from home-based enterprises.</li> <li>The Service Director at Lookout Ford submitted a letter of support and stated: We currently have a shortage of certified automotive technicians in Carteret County and this program could help alleviate this problem.</li> <li>The Operations Director at Kurtis Chevrolet submitted a letter of support and stated: I know this program will fill a great need in our county and our community. I know how important it is to have certified and trained automotive technicians. I am confident that this program can only enhance the skills of existing employees and provide a pool of highly-qualified applicants to fill future job vacancies in a growing market.</li> </ul>
Carteret CC	Horticulture Technology (A15240)	<ul style="list-style-type: none"> <li>Carteret County is a rural resort/retirement community. With the growth of new subdivisions, tourism, and renter-occupied housing in Carteret County, which increases from a year-round population of 68,000 to a summertime population of 140,000 residents, the need for skilled landscape and lawn technicians, designers, and managers will likewise increase.</li> <li>For the period 2010-2021, the annual growth rate of housing units is expected to increase more in Carteret County (1.3%) than in North Carolina (1.2%) or in the United States (.8%). Most of these homes are high-end properties with landscaping needs.</li> <li>There are entrepreneurial opportunities for graduates which the college will support through their Small Business Center.</li> <li>The college plans to pursue Career and College Promise pathways for high school students if approved for the program.</li> <li>The college plans to pursue bilateral agreements with senior institutions if approved for the program. North Carolina State University offers several horticulture degrees that would lend themselves to an agreement.</li> <li>The college has an existing greenhouse which will serve as a functional base for lab operations for 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>April 20, 2018 (Continued)</b>		
Carteret CC	Horticulture Technology (A15240) (Continued...)	<ul style="list-style-type: none"> <li>The job outlook indicates that statewide Landscaping and Grounds keeping workers employment opportunities will grow by 1.2% over the period of 2014-2024. The growth for first line supervisors of landscaping, lawn service, and greens-keeping workers is 1.1% during the same period. (NC Department of Commerce).</li> <li>Employment of grounds maintenance workers is projected to grow 10% from 2016 to 2026, faster than the average for all occupations. (US Department of Labor, Bureau of Labor Statistics, Occupational Outlook Handbook).</li> <li>A survey of local students at the three high schools indicate that 19% of the responders (172) have an interest in Horticulture Technology as a field of study.</li> <li>A survey of the local Chamber of Commerce members indicates that 81.9% of the members saw a need for a Horticulture Technology program at Carteret CC.</li> <li>The Career and Technical Education Director of the Carteret County Public School (CCPS) System provided a letter of support for the proposed Horticulture program. There are approximately 493 students enrolled in CCPS agriculture and horticulture courses. The Director stated that the ability to allow students to continue their post-secondary education would be a benefit to the students and to our rural county.</li> <li>The owner of Pullmann’s Landscape Associates submitted a letter of support for the proposed program and stated: This training will enhance the skills of existing employees and provide a better pool of qualified applicants for our upcoming job vacancies.</li> <li>The owner of Seventy West Landscape Yard and Garden submitted a letter of support for the proposed program and stated that the program will be extremely beneficial to landscaping and turf grass management businesses in Carteret County.</li> </ul>
Durham Technical CC	Anesthesia Technology (A45330)*	<ul style="list-style-type: none"> <li>DTCC in partnership with the University of North Carolina Chapel Hill (including UNC School of Medicine and UNC Healthcare) developed the proposed Anesthesia Technology (AT) curriculum. The goal of the program is to prepare students to “anticipate the needs of the patient and provider, according to the surgical requirements, procedure, or circumstance.” (<a href="http://www.asatt.org">www.asatt.org</a>)</li> <li>The proposed program will prepare students to be eligible to sit for the American Society of Anesthesia Technologists and Technicians (ASATT) National Certification Examination.</li> <li>The ASATT has identified anesthesia technology as a growing allied health profession. Nationally, the profession is noted as having a Bright Outlook” (<a href="http://www.oneonline.org">www.oneonline.org</a>) and as a new and emerging profession. Projected growth for 2014-2024 is fourteen percent with an estimation of 50,000 jobs annually.</li> </ul>

**Appendix A: Traditional Curriculum Program Approvals by  
State Board of Community Colleges Approval Date**

<b>Community College</b>	<b>Curriculum Title /Code</b>	<b>Rationale for Approval</b>
<b>April 20, 2018 (Continued)</b>		
Durham Technical CC	Anesthesia Technology (A45330)* (Continued...)	<ul style="list-style-type: none"> <li>To determine local need, hospitals in and surrounding DTCC's service area were contacted. Initial reports from the hospital indicate three to fifteen percent of their current AT staff hold the certification. All agencies report that they are moving to require this credential. The agencies also report that their workforce is down by at least ten percent and all noted plans to expand their AT workforce. There are approximately 156 open AT positions across the state.</li> <li>Currently, there are only seven approved curricula AT programs in the country. Those institutions are located in Illinois, Arkansas, California, Washington, Florida, New York, and Wisconsin. * The projected salary for a Certified AT is \$36,000 to \$55,000 per year. (<a href="http://www.asatt.org">www.asatt.org</a>)</li> </ul>
Rowan-Cabarrus CC	Automotive Light-Duty Diesel Technology (Diploma) (D60430)	<ul style="list-style-type: none"> <li>Data from the U.S. Bureau of Labor Statistics suggests 5-9% growth in the number of diesel technician jobs over the next ten years with 12% growth expected to occur in the Southwest Prosperity Region.</li> <li>There were 102 job openings within the Southwest Prosperity Region advertised online through NCWorks under the category of Bus and Truck and Diesel Engine Specialists.</li> <li>The annual median pay for diesel technicians is \$45,170 for individuals possessing some level of formal technical training along with personal technical expertise.</li> <li>The college was awarded a Golden Leaf grant funds that have been utilized to purchase appropriate equipment required to implement the program. The college also received a letter of support from the Golden LEAF Foundation in support of the Light-Duty Diesel program that reinforced the need for qualified technicians to support the network of over 230 automotive dealers and repair shops in Cabarrus County.</li> <li>The college will offer a Career and College Promise program pathway for automotive light-duty diesel to local high schools that has already found success in the college's traditional automotive program. 24 Students expressed interest in the LDD program.</li> <li>Many of skill sets associated with automotive light-duty diesel technology have crossover value within the heavy truck industry, RV industry, portable back-up generator industry, and agricultural equipment industry.</li> <li>Graduates of the program will be able to pursue entrepreneurial opportunities that exist for individuals interested in developing small business opportunities.</li> </ul>
Rowan-Cabarrus CC	Mechatronics Engineering Technology (A40350)	<ul style="list-style-type: none"> <li>Data from the Bureau of Labor Statistics suggests 4% growth in the number of electro-mechanical technician jobs over the next ten years.</li> <li>NCWorks indicates 5-9% growth for engineering technician jobs in North Carolina within manufacturing production. Within R-CCC's service area there are an estimated thirty positions available.</li> <li>The annual median pay for mechatronic engineering technicians is \$54,480/year for individuals possessing an associate's degree.</li> <li>The college was awarded a Golden Leaf grant funds that have been utilized to purchase appropriate equipment required to implement the 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>April 20, 2018 (Continued)</b>		
Rowan-Cabarrus CC	Mechatronics Engineering Technology (A40350) (Continued...)	<ul style="list-style-type: none"> <li>Trelleborg, Southeastern Packaging, Carolina Color and Galvan Industries have committed to the college's apprenticeship program. The apprentice program will use some of the equipment and curriculum components from Mechatronics such as Hydraulics/Pneumatics, PLCs, electrical theory and troubleshooting.</li> <li>The college has worked with Salisbury High School and Kannapolis City Schools to create a Career and College Promise program pathway in mechatronics engineering technology; having identified students and secondary programs that will funnel students into R-CCC's degree program.</li> <li>Many of skill sets associated with mechatronics engineering technology have crossover value within not only manufacturing production, but also maintenance and repair industries that have automation, electrical, mechanical, and process control components.</li> <li>East Carolina University offers a Bachelor in Science in Industrial Technology (BSIT) transfer program for students awarded an Associate in Applied Science degree in an engineering field and is considered a 2 + 2 program.</li> <li>Graduates of the program will be able to pursue entrepreneurial opportunities that exist for individuals interested in developing small business opportunities.</li> </ul>
<b>May 18, 2018</b>		
Central Carolina CC	Collision Repair and Refinishing Technology (Diploma) (D60130)	<ul style="list-style-type: none"> <li>The NC Department of Commerce suggests that local job demand for collision repair and refinishing technicians in the Triangle South Workforce Development region will increase by an estimated 22% through 2026.</li> <li>The NC Labor and Analysis Division estimates a state-wide increase of 10% in annual job openings. U.S. Department of Labor estimates a 13% increase, nationally, with 48,100 job openings.</li> <li>The college currently operates successful Automotive Restoration and Automotive Systems Technology programs that contain equipment, such as a spray booth, mixing equipment, ventilation equipment, tools, and automotive software, that can be shared across programs. Core coursework is also common across these programs. The college will offer the diploma program in a newly renovated West Harnett Center transportation facility.</li> <li>CCC has developed Career and College Promise pathways for the various transport programs with good collaboration from the local school systems as well as strong student interest in the programs. A letter of support has been provided from Harnett County Schools.</li> <li>Letters of support were received by the college from Tramway Auto Body and Godfrey Body Shop</li> <li>Collision repair work is very supportive of self-employment opportunities, insurance estimating work, and job opportunities across diverse transportation sectors including heavy trucks, agricultural equipment, aircraft, motorcycles, boats and recreational vehicles.</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 18, 2018 (Continued)</b>		
College of The Albemarle	Agribusiness Technology (A15100)	<ul style="list-style-type: none"> <li>• There are entrepreneurial opportunities for graduates which the college will support through their Small Business Center. Future business owners can secure information they need for success, including advice on marketing, sales, bookkeeping, and management.</li> <li>• If approved for the program, COA will pursue devolvement of a Career and College Promise pathway for high school students.</li> <li>• If approved for the program, COA will pursue a bilateral agreement with North Carolina State University and the University of Mount Olive.</li> <li>• The Albemarle region is keeping pace with growth seen at the national level of 3.7%+ and state level of 2.4%+ in Agri-Business. While fewer crop production jobs are anticipated, it is expected that growth will occur in wholesale equipment and in contract work with farms. (Northeastern Workforce Development Board)</li> <li>• There is a strong representation of Future Farmers of America within the college's service area. There are 390 enrolled student members within the region.</li> <li>• There is an aging agriculture workforce. The average age of principal farm operators in North Carolina is 58.9 years old. (US Department of Agriculture 2017 State Agriculture Overview). The proposed program will provide an opportunity to educate the next generation.</li> <li>• The Interim President of the Elizabeth City Area Chamber of Commerce submitted a letter of support and indicated that: the proposed program will satisfy our region's high demand for education and jobs in this field.</li> <li>• The Branch Manager of AgCarolina Farm Credit provided a letter of support and indicated that: It is imperative that we meet the needs of Agriculture through providing an educational opportunity for our local students.</li> <li>• The Director of the Elizabeth City Economic Development Commission submitted a letter of support and stated: The program would lay the foundation for agriculture-based entrepreneurialism, agribusiness growth and development, and a trained agribusiness workforce to meet existing industry needs.</li> <li>• The Agriculture Agent for Pasquotank County (NCSU) provided a letter of support and stated: Agriculture is the number one industry in North Carolina at \$84 billion dollars as well as the leading industry for the counties where the College of The Albemarle student base comes from. It is for that reason, the agricultural business program, at the College of The Albemarle would be important in providing well trained employees.</li> <li>• The Director of the Northeastern Workforce Development Board submitted a letter of support and stated: Preparing a workforce for jobs in this industry is vital for our region. In addition to a generally strong job outlook in the fields of farm management, support occupations for animal production and forestry, farm and garden machinery and equipment merchant wholesalers, this industry offers above average wages ranging from annual salaries of \$30,000- \$56,000. Thus, the economic impact of an Agribusiness Technology Degree program holds promise for the emerging and existing businesses and job-seekers of Northeastern NC.</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 18, 2018 (Continued)</b>		
Craven CC	Aviation Management and Career Pilot Technology (A60180)	<ul style="list-style-type: none"> <li>The U.S. Bureau of Labor Statistics suggests that employment opportunities for pilots, co-pilots, and flight engineers will increase by 5% over the next 20 years. Average wages for commercial pilots are estimated at \$77,200 annually. State wages for airline pilots, co-pilots, and flight engineers are \$97,300 annually.</li> <li>According to the Boeing 2016 Pilot Outlook study, nationally there will be 112,000 pilots between 2016 and 2035 with 30,000 expected to retire by 2026 due in part to age restriction limit for pilots for their pilot license which limits their employment to 65 years of age.</li> <li>Craven Community College is one of four community colleges offering Aviation Systems Technology. The addition of the pilot and management program would supplement the existing program which currently finds support due to the college's direct proximity to the MCAS Cherry Point and Fleet Readiness military facilities. The Airport Authority, local industry, military veterans, and potential employers were very supportive of the program.</li> <li>There are limited programs of this nature in operation across the state. The program would be supportive of the overall objectives of the North Carolina Aviation Development Task Force as outlined in its 2016 report entitled Propelling North Carolina's Economy Through Aviation including providing support for the recent increased use of drones and growing market for that emerging industry.</li> <li>CCC received letters of support from Coastal Carolina Regional Airport, the City of Havelock, the City of New Bern, and Economic Development for Craven County.</li> <li>The college surveyed students and potential students at the local high schools (Havelock, New Bern, West Craven) and MCAS Cherry Point through the office of Professional &amp; Personal Development. Approximately 14-18 students are expected to enroll in the program.</li> </ul>
Johnston CC	Applied Engineering Technology (A40130)	<ul style="list-style-type: none"> <li>Data from the U.S. Bureau of Labor Statistics suggests positive growth in the number of available engineering technician jobs over the next ten years including a 3.15% statewide increase and 6.1% regional increase that includes Johnston County.</li> <li>Recent expansions to Novo Nordisk (\$1.2 billion economic investment), Grifols, Caterpillar, and OPW have resulted in the addition of nearly 1,000 jobs to the county including many positions related to facility maintenance and advanced manufacturing and automation processes that would be included within the program.</li> <li>The college currently has a very successful pre-apprenticeship with Caterpillar that utilizes the Industrial System Technology (IST) program. Caterpillar has provided a letter of support in favor of the college transitioning from the IST program to the Applied Engineering Technology programs which more appropriately labels the type of content that the company believes is supportive of their industry.</li> <li>The college surveyed employment need for graduates within a ten-mile radius of Johnston County for engineering technician positions indicating 65 available positions.</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 18, 2018 (Continued)</b>		
Johnston CC	Applied Engineering Technology (A40130) (Continued...)	<ul style="list-style-type: none"> <li>The annual median pay for general engineering technicians is \$54,000/year for individuals possessing an associate's degree. Mean wages for jobs at Novo-Nordisk's new plant will average \$68,420.</li> <li>The college currently runs an unduplicated headcount of 46 students within the IST program that is transitioning to Applied Engineering Technology. The college will utilize existing facilities and faculty for the new program. JCC has already established a high school IST pathway at Johnston County Career and Technical Leadership Academy (CTLA Early College) that will bring enrollment numbers up to approximately 76 students.</li> </ul>
Lenoir CC	Agriculture Education (A15330)	<ul style="list-style-type: none"> <li>The college is currently approved for the Sustainable Agriculture program which they offer to both the traditional student and Career and College Promise students. The current Sustainable CCP pathway will also provide a pathway of related courses for students who would like to pursue the proposed program.</li> <li>If approved for the program, LCC will pursue bilateral agreements with North Carolina State University, the University of Mount Olive and North Carolina Agricultural and Technical State University.</li> <li>Since Lenoir CC already has approval for the Sustainable Agriculture and the Horticulture programs, many of the resources (three greenhouses, livestock facilities, equipment and a land lab) are already in place.</li> <li>In searching for jobs related to agriculture education, the college discovered 155 job openings within the field for North Carolina (Indeed.com). Fourteen of these positions were located within fifty miles of LCC's main campus.</li> <li>There is a strong representation of Future Farmers of America within the college's service area. There are 390 enrolled student members within the region.</li> <li>Lenoir CC surveyed 227 of their regional high school students and college students who are currently taking agriculture or horticulture courses. Sixty-four of these students indicated an interest in the proposed program.</li> <li>The County Extension Director, NC Cooperative Extension, Lenoir County Center submitted a letter of support and indicated: The establishment of a local and regional Agriculture Education program will open doors for so many interested students unable to attend larger universities in other locations. There would be many opportunities for students to work with the Cooperative Extension Service, the School Systems, Agriculture Producers and Businesses as well as a variety of community-based organizations.</li> <li>The Eastern Region Agricultural Education Coordinator, NC State University, submitted a letter of support and indicated: There is a great need for more agriculture education teachers in our state. As of July 1, 2017, there are 10 positions in eastern North Carolina that are vacant and have no prospects for hire. With the increase in middle school agriculture programs, our demand for more teachers with an agriculture background increases even more.</li> </ul>



**Appendix A: Traditional Curriculum Program Approvals by  
State Board of Community Colleges Approval Date**

<b>Community College</b>	<b>Curriculum Title /Code</b>	<b>Rationale for Approval</b>
<b>May 18, 2018 (Continued)</b>		
Lenoir CC	Agriculture Education (A15330) (Continued...)	<ul style="list-style-type: none"> <li>The retired Eastern Region Agricultural Education Coordinator submitted a letter of support for the proposed program and stated: Since 1996, the number of teachers teaching Agricultural Education in the southeast region of North Carolina has doubled. During this same time, the number of students graduating from the traditional four-year institutions in North Carolina who prepare students to become agriculture teachers has remained constant. This has created such a critical shortage that in the area of North Carolina from I95 to the coast, there is an annual need of more than 40 agricultural teachers. By offering a two-year transfer program in agricultural education, LCC could be a tremendous help in filling the agriculture teacher shortage.</li> </ul>
<b>July 20, 2018</b>		
Alamance CC	Agricultural Biotechnology (A20110)	<ul style="list-style-type: none"> <li>The college is currently approved for the Biotechnology and Horticultural Technology programs. The current programs are a natural connection to the proposed program and will provide opportunities for integration of curricula, sharing of assets and optimization of resources.</li> <li>ACC's Biotechnology Center of Excellence is a newly developing initiative with a focus on student success and partnerships. The proposed Agricultural Biotechnology will be linked to the Center.</li> <li>North Carolina is one of the leading states in Bioscience opportunities. Over 9,300 North Carolinians work in the Agricultural Biotechnology sector. There are currently 100 companies in North Carolina that focus on Agricultural Biotechnology, five of which are located in Alamance County. Another 78 companies are located in the immediate region (Triad and Triangle). In addition, there are approximately 732 individually owned farms in Alamance County covering nearly 84,000 acres. Most are diversifying and expanding their focus, and are well suited for a partnership involving ACC and other sponsors that could lead to the use of new technologies and techniques.</li> <li>With leading Agricultural Biotechnology firms abundantly located in the county and region, excellence in teaching established at the college, and the North Carolina Biotechnology Center located in the Research Triangle area, implementation of the Agricultural Biotechnology program at ACC is an opportunity for the preparation of future workers for good paying jobs.</li> <li>ACC currently has bilateral agreements with North Carolina State University and North Carolina Agricultural and Technical State University related to their Horticultural Technology. Each of these institutions represent potential partners for future agreements in the Agricultural Biotechnology program. Anticipated collaborations with the universities could lead to a seamless and cost effective initiative allowing candidates to add the necessary credentials while continuing to work.</li> <li>In 2015, ACC was the recipient of a gift of 46 acres of farmland in close proximity to the college. This gift will allow ACC the opportunity to fully develop the nursery production component of its Horticultural Technology program including micro propagation-an integral part of Agricultural Biotechnology.</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 20, 2018 (Continued)</b>		
Alamance CC	Agricultural Biotechnology (A20110) (Continued...)	<ul style="list-style-type: none"> <li>Nationally, Life Science occupations are projected to grow 10% by 2026, representing nearly 123, 000 new jobs. The U.S. Bureau of Labor Statistics reports an average of 42,000 jobs for three categories specific to those graduating with an AAS Degree in Agricultural Biotechnology, including Agricultural and Food Science Technicians, Chemical Technicians, and Environmental Science and Protection Technicians.</li> <li>Since 2010, North Carolina has experienced a 20% increase in new employees in the field of Agricultural Biotechnology and 16% of the State's workforce is involved directly or indirectly with agriculture. Statewide, 85% of the Agricultural Biotechnology workforce is employed in the Triad or Research Triangle region.</li> <li>Syngenta, a national leader in Agricultural Biotechnology research and development, recently announced plans for a \$71 million expansion in the Research Triangle where fifty new companies in biotechnology related fields including plant science, medicines, and diagnostics have opened in the last two years.</li> </ul>
Asheville-Buncombe Technical CC	Physical Therapist Assistant (2-year program) (A45620)	<ul style="list-style-type: none"> <li>EMSI occupation employment data for Madison and Buncombe counties noted: With the aging baby boomer generation there is a predicted 24.7% increase in the need for Physical Therapist Assistants in the Buncombe/Madison county region between the years 2017-2024. During the same time, Asheville is predicted to have a 27.2% growth rate.</li> <li>In 2010, sixteen percent of the residents of Buncombe County were above the age of 65 and this group is projected to increase to twenty percent in 2020 and to twenty-three percent by 2030. In 2010, eighteen percent of the residents of Madison County were above the age of 65 and this group is projected to increase to twenty-four percent in 2020 and to twenty-seven percent by 2030. (Carolina Demography)</li> <li>According to the U.S. Bureau of Labor Statistics, physical therapist assistants and aides are projected to grow 30% from 2016 to 2016, much faster than average for all occupations. Demand for physical therapy is expected to increase in response to the health care needs of an older population and individuals with chronic conditions, such as obesity and diabetes.</li> <li>Between 2014 and 2024, the number of Physical Therapist Assistants (PTAs) in North Carolina will increase by 973 new positions. During this same time, 715 positions will become vacant and PTAs hired. ( NC Department of Commerce)</li> <li>The Rehabilitation Director at The Lodge at Mills River Health and Rehabilitation submitted a letter of support and indicated: We have a huge need for qualified PTAs who have had good skilled nursing facility rotations. We have a need for PTAs who are well-trained, understand our payment system, and have the personality requirements and desire to work with a rapidly-aging western North Carolina population.</li> <li>The Director of Specialized Physical Therapy at Candler submitted a letter of support and indicated: I firmly believe that Physical Therapist Assistants play a vital role in the continuity of care in western North Carolina. A-B Techs development of a PTA program is crucial in ensuring the highest quality outcomes for patients in 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>July 20, 2018 (Continued)</b>		
Caldwell CC & TI	Practical Nursing (Diploma) (D45660) (Continued...)	<ul style="list-style-type: none"> <li>• CCCTI has a large applicant pool for its health science programs including their associate degree nursing program. Many students are unable to make a commitment for two or more years to become a registered nurse, even though they have a strong desire to enter the nursing profession. By offering the Practical Nursing (PN) program, students who are unable to make the time commitment due to financial or other reasons would be able to accomplish their goal of entering the nursing profession with the possibility of continuing in the pathway at a future time.</li> <li>• CCCTI surveyed 201 of their regional high school students enrolled in health science classes and college students enrolled in their nurse aide program. One hundred and fifteen students indicated they were definitely interested in the proposed program and fifty-nine students indicated that they might be interested in the program.</li> <li>• Recent trends in healthcare are shifting away from acute care facilities and more toward extended care. For many patients, especially the elderly, the comprehensive and high-cost facility of a hospital is disproportionate to the kind of care that they may need. Extended care is a better option for patients who do not have acute trauma or require surgery or elaborate medical interventions. Extended care can be provided by assisted living facilities, hospice, or home health care.</li> <li>• Over the past several years, the population of the service area has continued shifting toward an older demographic. The sixty-five and older age group had tremendous growth between 2010 and 2016. In 2010, the US Census Bureau indicated, the percentage of persons 65 years and older were the following: Caldwell County 15.4% and Watauga County 12.4%. In 2016, the percentage of persons 65 and older were the following: Caldwell County 18.6% and Watauga County 14.9%.</li> <li>• The trend toward extended care and the shift toward an older demographic population has led to an increase in the number of new assisted living facilities, nursing homes, and home-health agencies within the area. These healthcare providers hire LPNs, and they support the addition of the PN program at CCCTI.</li> <li>• Currently there are sixty-two job vacancies for LPNs in the western piedmont area of North Carolina and five hundred vacancies within the state.</li> <li>• CCCTI surveyed area health care agencies to determine their interest in the proposed program. Fifteen out of the nineteen respondents indicated they would be interested in their facility being a clinical site for the PN nursing students.</li> <li>• The Director of Nursing at The Foley Center at Chestnut Ridge indicated in the CCCTI survey: We are so excited to hear about the possibility of CCCTI beginning an LPN program. We are actually subsidizing our current LPN need with 9-10 agency/contract LPN's at any given time.</li> <li>• The Director of Nursing at Grace Heights Health and Rehabilitation Center indicated in the CCCTI survey: Licensed Practical Nurses are essential for any long-term care facility.</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 20, 2018 (Continued)</b>		
Carteret CC	Diesel and Heavy Equipment Technology (A60460) (Continued...)	<ul style="list-style-type: none"> <li>Data from the U.S. Bureau of Labor Statistics suggests 9% growth in the number of diesel service technician jobs for 2016-26 with an annual median salary of \$46,360.</li> <li>Carteret County is economically driven and supported by several significant construction, marine, and transportation employers located within the county. The largest of these organizations are the Port of Morehead City, MARSOC at Camp Lejeune, T. Lanier, Inc., S. F. Ballou Construction Company, Gregory Poole Caterpillar, and the Moerhing Group, all of which require employees who can operate, repair, service, and maintain diesel engines and heavy equipment. Carteret County is also the home to twenty-five marinas, ten boat builders, and commercial fishing industries.</li> <li>Last year, Carteret County commissioned a 2017 Strategic Development Plan to guide its economic development over the next five years. The data indicated that there were 6.3% of Carteret County residents are employed in construction/extraction fields. The number of jobs in the marine industry in Carteret County, for example, increased by 38.9% between 2011 and 2016, compared to a 14.6% increase in the surrounding region, 5.9% increase in North Carolina, and 5.7% increase nationally.</li> <li>Carteret Community College has successfully offered marine engine courses through continuing education and curriculum programs at their MTEC Center and would like to expand their offerings to include diesel engines. Marine diesels are often identical to those used in excavation, agricultural, and over-the-road equipment, with minor design differences in areas such as cooling systems.</li> <li>A college survey of public school students indicated that 93 students had high interest in careers in heavy equipment and diesels.</li> <li>The college has received letters of support for the Diesel and Heavy Equipment Technology from local industries.</li> <li>Many of skill sets associated with diesel technology have crossover value within automotive, light-truck, agricultural, and recreation vehicle industries, in addition to excavation and marine applications.</li> <li>Graduates of the program will be able to pursue entrepreneurial opportunities that exist for individuals who do mobile repair or repair from home-based enterprises.</li> </ul>
Martin CC	Nurse Aide (Certificate) (C45840)	<ul style="list-style-type: none"> <li>Currently, MCC offers Nurse Aide training through continuing education.</li> <li>The demand for nurse aides has grown exponentially in the last few years. An increasing aging population will have more medical conditions which will require an increase in health care professionals. Research demonstrates a growing shortage of nurse aides both nationally and state-wide.</li> <li>Employment of nurse aides is expected to grow as the baby-boomer population ages. Between 2014 and 2026, the NC Commerce Occupational Outlook has projected a 26.65% increase in jobs for Nurse Aides.</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 20, 2018 (Continued)</b>		
Martin CC	Nurse Aide (Certificate) (C45840) (Continued...)	<ul style="list-style-type: none"> <li>The Executive Director of the Region Q Workforce Development Board submitted a letter of support and indicated: The US Census Bureau indicates that currently there are 560 employees in healthcare support jobs in Martin County. The NC Department of Commerce Labor projections indicates an increase by 2.11% over the next ten years and an average of fifty-eight percent openings in North Carolina annually due to retirements and other factors.</li> <li>The President/CEO of Martin County Economic Development provided a letter of support for the program.</li> <li>Martin County Schools, Bear Grass Charter School, and Northeast Regional School of Biotechnology and Agriscience are interested in the Nurse Aide program being available as a Career and College Promise pathway for their students. Letters of support for the program were submitted to MCC by the Superintendent of the Martin County Schools, guidance counselor at Bear Grass Charter School and the chief academic officer at Northeast Regional School of Biotechnology and Agriscience.</li> <li>The facilitator for Northeastern NC Career Pathways submitted a letter of support and noted: MCC is the only community college among the six community colleges in northeastern NS that does not offer a nurse aide curriculum program. Therefore, the citizens of Martin and Bertie counties must drive excessive distances to access their training that provides the pathway to nursing.</li> <li>Once MCC receives approval for the Nurse Aide certificate program, they plan on seeking approval for the Therapeutic and Diagnostic Services-Nurse Aide pathway. This pathway will provide an entry-level career pathway for credit students interested in a health science discipline, provide pre-health students not selected for entry into a health sciences associate degree an alternative educational pathway that can lead to employment, and enable MCC to develop a Career and College Promise (CCP) pathway for high school students.</li> </ul>
Rockingham CC	Manufacturing Technology (A50320)	<ul style="list-style-type: none"> <li>Data from the U.S. Bureau of Labor Statistics Occupational Handbook suggests 7% growth in the number of available manufacturing engineering technician jobs over the next ten years with a median annual income of \$50,440.</li> <li>Projected employment in North Carolina through the Department of Labor’s CareerOneStop occupational state profile indicates 8% employment growth through 2024 with 60 job openings. Jobs in this industry are often tied to a formal registered apprenticeship program that allows individuals to learn while they earn. A majority of manufacturing-related careers require more than a high school diploma or equivalent as an education minimum, especially those that require particular expertise such as an engineering technician.</li> <li>The college worked with industry partners, NCWorks, local economic developers, Rockingham County Schools, and ApprenticeshipNC to create Rockingham Apprenticeship and Technical Opportunities Partnership (RockATop). Business and industry members from its advisory board requested the Manufacturing Engineering Technology program for the “related instruction” component of the apprenticeship.</li> </ul>



**Appendix A: Traditional Curriculum Program Approvals by  
State Board of Community Colleges Approval Date**

<b>Community College</b>	<b>Curriculum Title /Code</b>	<b>Rationale for Approval</b>
<b>July 20, 2018 (Continued)</b>		
Rockingham CC	Manufacturing Technology (A50320) (Continued...)	<ul style="list-style-type: none"> <li>Over 35 students expressed interest in the program. Local employers have committed to 20 paid pre-apprenticeship positions. Educational fees, books, tools, and fees are to be covered through the employer.</li> <li>Letters of support were received by the college from the Superintendent of Rockingham County Schools and local employer Machine Specialties, Inc. MSI indicated that there existed a severe shortage of qualified workers with a growing need to fill those positions due to facility expansion and retirements.</li> <li>The addition of the program supports the college's goal of adding additional work-based learning opportunities that are supportive of student success along with supporting business and industry needs and economic development.</li> </ul>
<b>August 17, 2018</b>		
Fayetteville Technical CC	Leadership Studies (A25830)*	<ul style="list-style-type: none"> <li>The degree will provide a pathway for enlisted soldiers at Fort Bragg and those serving in the NC National Guard to earn a college degree, to enhance their skills while serving, and to provide them with an educational foundation for higher learning in preparation for life after the military.</li> <li>The Commander of the Special Warfare Education Group requested that FTCC create a Leadership Studies associate in applied science degree as an option. Obtainment of this degree will allow soldiers to advance within military occupational specialties where promotions are based upon promotion points and education is a differentiating factor for advancement.</li> <li>The proposed program will also assist traditional students who wish to advance their career in a new job or to assume a higher leadership position within their current organization.</li> <li>The program lends itself to development of entrepreneurs. Fayetteville TCC provides support for entrepreneurs through their Small Business and Center for Innovation and Entrepreneurship that provides advice, assistance, workshops and instruction to entrepreneurs in leading their own businesses. The Center provides startup and growth strategies to active military in transition, veterans, their spouses, FTCC students and the general public.</li> <li>FTCC conducted a student interest survey among 167 current community college students. One hundred and twenty-nine (77%) of the 167 students responded to the survey. Sixty-one of the responding students indicated they would be interested in pursuing the proposed program as a secondary degree and seventy-three of the military students (including veterans and spouses) indicated they would be interested in pursuing the degree.</li> <li>FTCC plans to collaborate with North Carolina State University and other senior institutions in order to provide transfer opportunities for graduates of the proposed program.</li> <li>According to the US Bureau of Labor Statistics, leadership degree majors can be found in any industry. Leadership degree programs prepare students for leadership positions in fields such as education, entertainment, government, religious organizations, retail businesses, healthcare, business, sports, politics, and nonprofits (Bureau of Labor Statistics, 2017)</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 17, 2018</b>		
Fayetteville Technical CC	Leadership Studies (A25830)* (Continued...)	<ul style="list-style-type: none"> <li>• Leadership is currently included in the management category by most governmental and business employment analysis. According to the U.S. Bureau of Labor Statistics employment of management occupations, which currently includes leadership, is projected to grow 8 percent from 2016 to 2026, about as fast as the average for all occupations, which will result in about 807,300 new jobs.</li> <li>• The President and CEO of LDR Consulting provided a letter of support and stated: One of the most challenging times in the lifecycle of those who serve in the military is transition. Leadership education is an enabler of military career transition.</li> <li>• A Lieutenant Colonel/AG Corps from the Department of the Army submitted a letter of strong support and stated: As our young leaders in uniform transition to civilian leadership roles, this degree will leverage their military leadership schooling and prepare them for civilian positions in meaningful careers and professions. An associate degree in Leadership Studies will allow Service Members to capitalize on the knowledge, skills and attributes achieved during their time in service and will provide a non-military look at Leadership to better fulfill their knowledge and experience. This will help them with not only being better leaders while in the service – it will also provide additional opportunities for promotion and movement into leadership positions.</li> <li>• The associate Provost for Adult and Distance Education at Gardner-Webb University provided a letter of support to Fayetteville TCC and indicated: Having recently been approved to launch our online bachelor degree in organization leadership this Fall, we are particularly interested in collaborating with FTCC to explore a seamless pathway, even a possible articulated pathway, for students interested in pursuing the bachelor degree, should your program be approved. As a Yellow Ribbon institution, GWU shares your desire to invest in the lives of our military students.</li> <li>• The State Commander of the Veterans of Foreign Wars (Department of North Carolina) provided a letter of support and stated: Successful organizations are demanding authentic leaders who can generate trust, empower others, and find innovative answers to today's challenges. This leadership program would allow veterans the opportunity to use their military credit toward this degree program and position them with valuable employability skill sets while attaining leadership positions in a variety of industries.</li> <li>• The President of Transitions Assistance Support submitted a letter of support and stated: Our corporate partners continually seek to hire new employees who possess leadership and management skills – talents soldiers possess that the new program can refine and sharpen.</li> <li>• A Lieutenant with the Town of Spring Lake Police Department provided a letter of support and indicated: I firmly believe that the Spring Lake Police Department would take full advantage of hiring individuals from this program.</li> <li>• A Lieutenant from the Cumberland County Sheriff's Office provided a letter of support and indicated: The program would definitely be an asset, not only to Fayetteville Technical Community College but to Cumberland 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
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**September 21, 2018**

Edgecombe CC	Agribusiness Technology (A15100)	<ul style="list-style-type: none"> <li>• There are entrepreneurial opportunities for graduates which the college will support through their Small Business Center.</li> <li>• If approved for the program, ECC will pursue devolvement of a Career and College Promise pathway for high school students.</li> <li>• If approved for the program, ECC will pursue articulation with North Carolina State University.</li> <li>• The agriculture industry in North Carolina accounts for more than 17% of the state’s income and employs 17% of the work force. (NC Department of Agriculture and Consumer Services).</li> <li>• Edgecombe is one of the leading counties in our state in agriculture. Estimates from Edgecombe County’s extension office note over 3,500 jobs in agribusiness in the county, not including seasonal workers. (North Carolina Department of Agriculture and Consumer Services)</li> <li>• Edgecombe County has three high schools, one charter school and one early college that have a combined 350 students in an agriculture pathway.</li> <li>• There is a strong representation of Future Farmers of America within the college’s service area. There are 64 members at Southwest Edgecombe High School and 103 members at North East Carolina Preparatory School.</li> <li>• There is an aging agriculture workforce. The average age of principal farm operators in North Carolina is 58.9 years old. (US Department of Agriculture 2017 State Agriculture Overview). The proposed program will provide an opportunity to educate the next generation.</li> <li>• The NC Cooperative Extension (Edgecombe County Center) Extension Director submitted a letter of support and indicated: One of the problems that many farming operations have difficulty with and frequently express frustration is the inability to find good employees who have the ability to work with new equipment technology and understand the varied aspects of managing a farming operation. One opportunity that exists for Edgecombe is the lack of small farming operations. There are only a handful of these operations and there seems to be a growing demand for local produce.</li> <li>• The Town Manager for the Town of Tarboro provided a letter of support for the proposed program and stated: Agriculture remains a pillar of the rural Eastern North Carolina economy. The availability of agricultural land makes this program ideal to support existing agricultural enterprises with human capital, but the degree will also assist in providing local citizens an avenue to capitalize on emerging agricultural markets.</li> </ul>
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**October 19, 2018**

Isothermal CC	Dental Assisting (Diploma) (D45240)	<ul style="list-style-type: none"> <li>• According to the U.S. Department of Labor, the employment of dental assistants is expected to grow nineteen percent by 2026. The demand for preventive dental care is expected to increase due to our aging population and research that links oral health to an individual’s overall health status.</li> <li>• In 2016, there were over 332,000 jobs in dental assisting. In the next ten years, that number is projected to increase by over 64,000 jobs. (US Department of Labor, Bureau of Labor Statistics, Occupational Outlook Handbook).</li> </ul>
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**Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date**

Community College	Curriculum Title /Code	Rationale for Approval
<b>October 19, 2018 (Continued)</b>		



Isothermal CC	Dental Assisting (Diploma) (D45240) (Continued...)	<ul style="list-style-type: none"> <li>• According to the U.S. Department of Labor, as of May 2017, the national median annual wage for a dental assistant was \$37,630. In North Carolina, the average wage is \$41,130.</li> <li>• According to the American Dental Association’s “Find a Dentist” search there are over one hundred dental practitioners within a thirty- mile radius of Columbus, where ICC’s dental assisting program would be offered.</li> <li>• Between 2014 and 2024, the number of Dental Assistants in the Asheville Region (Buncombe, Henderson, Madison, Polk, Rutherford, and Transylvania counties) will increase by 91 new positions or 15.5%. (NC Department of Commerce).</li> <li>• ICC surveyed several local dentists to determine their interest in the proposed program. Four of the respondents indicated they would be interested in their facility being a clinical site for the dental assisting students.</li> <li>• ICC and the Mountain Area Health Education Center (MAHEC) have developed a partnership to train dental health care providers in Polk County. MAHEC has a general practice residency in dentistry located on its campus in Asheville. To place residents in rural areas to help foster their interest in practice there, MAHEC plans to establish a dental clinic in Polk County where it will train dental residents.</li> <li>• Because of the identified need for dental assistants in NC and to further enhance and support the training and experience for its residents, MAHEC and ICC have determined it will benefit both parties to establish a training site for a dental assisting program. MAHEC will provide the space and utilities, all durable dental lab equipment, and clinical supervision for the dental assistant students for their chair-side training in the MAHEC building.</li> </ul>
<b>November 16, 2018</b>		
Isothermal CC	Human Services Technology (A45380)	<ul style="list-style-type: none"> <li>• According to the 2018 NC Career Occupational Profiles “the number of social and human service assistants in North Carolina is expected to increase from 11,250 in 2014 to 12,990 in 2024, for an annual growth rate of 1.5%, which is faster than average.”</li> <li>• ICC noted their service area tends to have a higher percentage of people with a disability diagnosis. The U.S. Census Bureau 2012-2016 data revealed that 16.4% of people ages 65 and under identify as a person with a disability in Rutherford County. Compare this statistic to Wake County who reports only 5.8% and it is evident that there is a proportionately higher percentage of residents with disabilities in ICC’s service area. The program will enable more people to be educated to serve these populations.</li> <li>• ICC completed a quick search of human services jobs for Rutherford and Polk counties on the NC Works website and located twenty-two matches indicating job opportunities in human services.</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 16, 2018 (Continued)</b>		
Isothermal CC	Human Services Technology (A45380) (Continued...)	<ul style="list-style-type: none"> <li>The Executive Director for the Community Health Council of Rutherford County indicated that their group is comprised of the leaders of the twenty-five agencies in Rutherford County that is responsible for addressing health concerns in their area. At their September 5th meeting they voted unanimously to support a Human Service Technology program at ICC.</li> <li>The Executive Director of Hands of Hope for Life, Inc. submitted a letter of support and indicated: "We desire our staff to be local residents as they have a stake in the outcome of the area we serve....The individual seeking to receive a human services degree for employment in the area they live allows them to learn the curriculum and apply it to their local needs. Hands for Hope will certainly support the college's effort to provide this degree program locally."</li> <li>Vaya Health, the local behavioral management entity for Rutherford and Polk counties is supportive of ICC offering human services and building articulation agreements for students to continue their coursework. They report, "there is frequently high turnover rate for service providers. Finding qualified individuals continues to be a challenge, which makes partnerships with colleges and universities even more critical."</li> <li>The Director of the Rutherford County Chamber of Commerce, submitted a letter of support and indicated: "We are in full support of this degree....in addition to being qualified for entry level positions in mental health, child care, family services, social services, rehabilitation, etc.; they could be utilized in assisting workers who may be debilitated by 'life problems' in finding solutions which would make them more valuable workers and increase productivity for the manufacturer."</li> <li>If approved for the program, ICC plans to pursue bilateral transfer agreements with Appalachian State University, Fayetteville State University, Western Carolina University, Gardner-Webb University and Lees-McRae College.</li> </ul>
Sampson CC	Agribusiness Technology (A15100)	<ul style="list-style-type: none"> <li>Graduates of the program will be able to pursue entrepreneurial opportunities. The college will provide assistance to entrepreneurs through their Small Business Center which will provide business counseling, seminars and workshops.</li> <li>Sampson County ranks first in the state of North Carolina in total agriculture cash receipts. (U.S. Department of Agriculture - 2015)</li> <li>If approved for the program, SCC plans to pursue bilateral agreements with North Carolina State University and North Carolina Agricultural and Technical State University.</li> <li>If approved for the program, SCC plans to provide a Career and College Promise pathway.</li> <li>Sampson County Schools, Clinton City Schools, and Harrells Christian Academy have an annual enrollment of over 1,000 students in Agricultural Education/Future Farmers of America courses. (State Agricultural Education Leader/State FFA Advisor)</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 16, 2018 (Continued)</b>		
Sampson CC	Agribusiness Technology (A15100)	<ul style="list-style-type: none"> <li>• The college conducted a survey among area high schools. Sixty-three expressed interest in enrollment in the program.</li> <li>• The college conducted a survey among their current students in various programs and 26 students out of 43 completing the survey expressed interest in the program.</li> <li>• According to the US Department of Agriculture, half of all current farmers in the United States are likely to retire in the next decade.</li> <li>• The State Agricultural Education Leader/State FFA Advisor provided a letter of support for the proposed program and indicated: Sampson County and southeastern North Carolina are fortunate to be the home of numerous companies and businesses that have thrived from the growing agribusiness industry. They can only survive if they can find qualified, educated employees – many of whom are raised locally and want to stay in their home communities.</li> <li>• The Director of Human Resources for Murphy Family Ventures, which operates extensive swine and poultry operations concentrated in Sampson and Duplin counties, submitted a letter of support for the proposed program and stated: The long-term viability of our business is dependent upon our ability to continue to staff our operations with well-trained individuals. This proposed new program could be an important addition to our existing efforts to identify and attract quality individuals who are interested in agribusiness careers in southeastern North Carolina.</li> <li>• The Senior Vice President of Prestage Farms provided a letter of support and indicated: We employ 1, 500 people in North Carolina in the agribusiness field and would benefit greatly from additional applicants that are prepared to enter our industry with the knowledge necessary to succeed. Nationwide, North Carolina is among the leaders in poultry, pork and sweet potato production just to name a few; therefore, our state as a whole would benefit from additional education opportunities in the agribusiness field.</li> <li>• The Human Resources Manager (South Central Region) of Smithfield Hog Production submitted a letter of support and indicated: The establishment of this degree will be of significant value to both the agriculture industry as well as the community as it will provide individuals with the necessary skills to pursue a career in the agriculture industry. As a company that employs a large number of agribusiness employees, the benefits will be seen in various areas of the company. There are vast opportunities for graduates of this degree program within Smithfield as well as other leading agriculture companies.</li> <li>• The Director of the Agribusiness Center and Division of Agriculture chair at the University of Mount Olive provided a letter or support and stated: The opportunities that this will afford to students in the region will be multi-faceted. Sampson County is home to a number of global agribusiness entities that are finding themselves in need of well-trained employees in various areas of business and management.</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 16, 2018 (Continued)</b>		
Wake Technical CC	Electro-neurodiagnostic Technology (A45320)	<ul style="list-style-type: none"> <li>• According to the U.S. Bureau of Labor Statistics, Electoneurodiagnostic Technologists (EDT) are projected to increase 22% or 33,100 future job openings between 2012-2022.</li> <li>• In Spring 2018, the college conducted a survey of 268 pre-allied health students enrolled in anatomy and physiology courses regarding their interest in an EDT program. Seventy-one percent of the students expressed interest in the field, with seventy percent expressing interest in completing a degree program in the discipline.</li> <li>• The President at WakeMed submitted a letter of support and indicated: "At WakeMed, we are deeply committed to recruiting and retaining exceptional clinical staff. Wake Tech has been an excellent partner in helping us to do so. We have no reservations hiring hundreds of Wake Tech nursing, imaging, pharmacy, lab and emergency medical technicians because of their proven track record of graduating well-prepared, skilled, capable workers. We have no doubt this will also be the case for the EDT program."</li> <li>• The President at Duke Raleigh Hospital submitted a letter of support and indicated: "we offer many EDT (neurodiagnostic technician) opportunities across several settings... I realize the EDT Technology degree would help prepare students for positions in the Wake County area and beyond-the rapidly growing and aging population in our region is the main reason Wake Tech should add the EDT technology program to the curriculum offerings."</li> <li>• The President at UNC Rex Healthcare wrote a letter of support and indicated: "The projected growth of stroke, cerebrovascular disease and sleep disorder diagnostic complications in Wake County places UNC Rex at the forefront of demand for well-trained EDTs. Our technologists support the outpatient, inpatient, critical care, operating room, and homecare settings, providing comprehensive diagnostic testing, as well as, continuous intensive care monitoring of critical care patients."</li> <li>• The Chief of the Division of Sleep and Epilepsy at UNC Hospital - Department of Neurology wrote a letter of support and indicated: The clinical need for more individuals with these skills is growing with no clear pathway to meet these demands. At the UNC Department of Neurology and the Clinical Neurophysiology Laboratory, we are happy to help support this effort by being a clinical support site."</li> <li>• The Director of Clinical Neurophysiology Labs at UNC Hospital wrote a letter of support and stated, "There is a national shortage of technologists to fill pen positions in this field. There is also limited availability for educational opportunities or programs for students... The national credentialing exam has also made a movement forward to enhance the educational requirements of labor in the field by changing the minimum requirements for eligibility to be an associate degree or higher...Positions in the field are no longer eligible to take the exam if they only have on the job training."</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 16, 2018 (Continued)</b>		
Wake Technical CC	Electro-neurodiagnostic Technology (A45320)	<ul style="list-style-type: none"> <li>The Director &amp; Associate Professor at UNC Chapel Hill/UNC Charlotte Neurodiagnostics and Sleep Science Department submitted a letter of support and indicated: "As an educator, I believe the implementation of this program will be beneficial to laboratories across NC, and also provide a new pathway for EDT graduates to complete their associate degree; and transfer to UNC to complete a BS degree in Neurodiagnostics and Sleep Science."</li> </ul>

*\*New to the System Program*



**Appendix B: Special Curriculum Programs by Month of Approval  
(Abbreviated Program Application Process)**

<b>Community College</b>	<b>Curriculum Title and Code</b>
<b>January 2018</b>	
Durham Technical CC	Associate in General Education—Nursing (A1030N)
<b>February 2018</b>	
Coastal Carolina CC	Associate in General Education—Nursing (A1030N)
Fayetteville Technical CC	Entrepreneurship (A25490)
<b>March 2018</b>	
Central Piedmont CC	Associate in General Education—Nursing (A1030N)
Cleveland CC	Associate in General Education—Nursing (A1030N)
<b>April 2018</b>	
Haywood CC	Associate in General Education—Nursing (A1030N)
Stanly CC	General Occupational Technology (A55280)
<b>May 2018</b>	
Blue Ridge CC	Nurse Aide (Diploma) (D45970)**
Gaston College	Human Services Technology/Substance Abuse (A4538E)
Tri-County CC	Associate in General Education—Nursing (A1030N)
<b>June 2018</b>	
Asheville-Buncombe Technical CC	Associate in General Education—Nursing (A1030N)
<b>July 2018</b>	
Alamance CC	Criminal Justice Technology/Forensic Science (A5518C)
Sampson CC	Supply Chain Management (A25620)
Tri-County CC	Human Services Technology/Substance Abuse (A4538E)
<b>August 2018</b>	
Caldwell CC & Technical Institute	Industrial Systems Technology (A50240)
Caldwell CC & Technical Institute	Welding Technology (A50420)
<b>October 2018</b>	
Montgomery CC	Associate in General Education—Nursing (A1030N)
Sandhills CC	Associate in Fine Arts in Theatre (A10800)
Stanly CC	Human Services Technology/Substance Abuse (A4538E)

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

*\*\*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.*



**Appendix C: Instructional Service Agreements (Level III)  
By Month of Approval**

Curriculum Title and Code	Host College	Participating College

*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.*

*There were **zero** new Level III ISAs approved for 2018.*

**Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges**

<b>Community College</b>	<b>Curriculum Title/Code</b>	<b>College Rationale for Termination</b>
<b>February 19, 2018</b>		
Beaufort County CC	Diesel and Heavy Equipment Technology (A60460)	No enrollment: The college transitioned from the Diesel and Heavy Equipment Technology program to Construction Equipment Systems Technology (A60450) several years ago without formally terminating the former. In 2017, they terminated the Construction Equipment Systems Technology due to lack of student interest and insufficient employer need. BCCC will continue to monitor local employers for requested support which they may provide through continuing education.
Beaufort County CC	Electrical Systems Technology (A35130)	No enrollment: The college transitioned from the Electrical Systems Technology to Electrical Engineering Technology (A40180) program in 2013 without formally terminating the former. The college continues to offer Electrical Engineering Technology.
Brunswick CC	Nurse Aide (Certificate) (C45840)	No enrollment for over two years: The college has attempted to offer this program through curriculum and it has not generated sufficient enrollment. The college offers courses through continuing education to meet community and workforce needs.
Carteret CC	Healthcare Business Informatics (A25510)	Low enrollment: The college will continue to offer healthcare business informatics courses as a track under the Information Technology (A25590) program.
College of The Albemarle	Marine Science (A15310)	No enrollment. There was a lack of available jobs for graduates which led to a lack of enrollment. The college will offer marine certification skills through continuing education.
Gaston College	Nuclear Technology (A50460)	Low enrollment: Duke Energy no longer accepts interns that were integral to the college's program design. Additionally, job prospects are not good due in part to incumbent employees staying in their jobs longer than expected. The college plans to monitor industry needs and can offer appropriate training within other industrial programs when necessary.



**Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges**

<b>Community College</b>	<b>Curriculum Title/Code</b>	<b>College Rationale for Termination</b>
<b>February 19, 2018 (Continued)</b>		
Pamlico CC	Human Services Technology/Gerontology (A4538B)	No enrollment for over two years. Lack of student interest in working with older populations. Students are choosing to enroll in either the Human Services Technology or Human Services Technology/Substance Abuse programs.
Piedmont CC	Historic Preservation Technology (A35110)	Low enrollment: There was initial interest in the program; however, over the past few years student interest declined. The college will continue to monitor their local workforce needs for changes that can be supported by short-term training through the college's continuing education department.
Pitt CC	Alternative Transportation Technology (Diploma) (D60420)	No enrollment for over two years: The job market for the associated skills did not expand, as expected. Some of the content was incorporated in the college's existing Automotive Systems Technology program.
<b>March 16, 2018</b>		
Brunswick CC	Associate in General Education (A10300)	No enrollment: Students are not interested in enrolling in a general associate's degree in order to complete a broad-based general education associate degree. Students are able to take general education courses through specific disciplines.
Brunswick CC	General Occupational Technology (A55280)	No enrollment. Over the past four years there has been a steady decline in the number of students interested in this program.
Caldwell CC & Technical Institute	Medical Assisting (Diploma) (D45920)**	No enrollment for over two years: The college originally established the program to serve high school students interested in nursing through Career and College Promise (CCP). The implementation of the Associate Degree Nursing Pathway (P1032C) provides a more appropriate pathway for the CCP student. The college will maintain the Medical Assisting (A45400) program for students interested in Medical Assisting.

**Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges**

<b>Community College</b>	<b>Curriculum Title/Code</b>	<b>College Rationale for Termination</b>
<b>March 16, 2018 (Continued)</b>		
Durham Technical CC	School-Age Education (A55440)	No enrollment for over two years. Students are choosing to enroll in the Early Childhood Education program instead of the School Age Education program. The Early Childhood Education program adequately covers concepts from birth to age eight.
Durham Technical CC	Sustainability Technologies (A40370)	No enrollment: Lower demand for sustainable energy technologies within the college's service area led to a decrease demand for energy efficiency auditors and solar/photovoltaic industry employees; thereby, negatively impacting the demand for program graduates.
Montgomery CC	Emergency Medical Science (A45340)	No enrollment. There was a lack of student interest in the program. The college will continue to offer the basic EMS courses through continuing education to meet student and community needs.
Robeson CC	Medical Assisting (A45400)	No enrollment. The program was never implemented due to the college's inability to hire qualified faculty and obtain the necessary resources to start the Medical Assisting program.
<b>April 20, 2018</b>		
Alamance CC	General Occupational Technology (A55280)	No enrollment for two or more years. Students are enrolling in career specific programs at the college which can better meet their academic goals.
Coastal Carolina CC	Criminal Justice Technology/Financial Crime/Computer Fraud (A5518B)	No enrollment for two or more years. Students are more interested in taking Cyber Crime courses under the existing Criminal Justice Technology (A55180) program without the accounting emphasis.
Halifax CC	Advertising and Graphic Design (A30100)	Low enrollment. There are limited employment opportunities in the service area. The college will offer related content through continuing education if there are future community needs.

**Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges**

<b>Community College</b>	<b>Curriculum Title/Code</b>	<b>College Rationale for Termination</b>
<b>April 20, 2018 (Continued)</b>		
Halifax CC	Paralegal Technology (A25380)	Low enrollment. There was a lack of employment opportunities for graduates in the service area which led to a lack of enrollment. The college will offer related courses through the existing Office Administration (A25370) program if there are future community or workforce needs.
Southwestern CC	Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) (D45200)	No enrollment for over two years. The hospitals are offering free and convenient in-house training for employees to earn their certification which is meeting the need of students.
Southwestern CC	Manicuring/Nail Technology (Certificate) (C55400)	No enrollment for over two years. Students are choosing to enroll in the Cosmetology program instead of the Manicuring program.
<b>May 18, 2018</b>		
Coastal Carolina CC	Nurse Aide (Certificate) (C45840)	No enrollment for over two years. The college indicated that their students prefer to take the courses through continuing education. The courses offered through continuing education meet community needs.
Edgecombe CC	Cyber Crime Technology (A55210)	No enrollment for over two years. There was a lack of employment opportunities for graduates in the service area which led to a lack of enrollment. The college will offer related courses through their Information Technology (A25590) curriculum program if there are any future community or workforce needs.
Edgecombe CC	Mechanical Drafting Technology (A50340)	No enrollment for over two years. The program was only offered at the certificate level. A majority of the related coursework had been embedded in the college's Manufacturing Technology degree curriculum program resulting in a duplication of efforts and resources.
Isothermal CC	Associate in General Education (A10300)	No enrollment for over two years: The college recently received approval for the Associate in General Education in Nursing which will better suit the needs of students.

**Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges**

<b>Community College</b>	<b>Curriculum Title/Code</b>	<b>College Rationale for Termination</b>
<b>May 18, 2018 (Continued)</b>		
Lenoir CC	Esthetics Technology (Certificate) (C55230)	No enrollment for two or more years. There has been no student interest in the curriculum. The content will continue to be offered through the continuing education division at the college.
Randolph CC	Alternative Transportation Technology (Diploma) (D60420)	No enrollment for over two years: The program suffered from lack of student interest combined with low employer demand. The content has been incorporated into the college's existing Automotive Systems Technology program.
Randolph CC	Central Sterile Processing (Certificate) (C45180)	No enrollment for over two years: There is a lack of student interest in the program. There is a lack of local employer demand for the program.
Randolph CC	Office Administration (A25370)	No enrollment for over two years: There was a lack of employment opportunities for graduates in the service area which led to a lack of enrollment. The college will offer related courses through their Information Technology (A25590) and/or Business Administration (A25120) curriculum programs if there are future community or workforce needs.
South Piedmont CC	Therapeutic Massage (A45750)	Low enrollment: Enrollment in the program has been consistently low. Industry needs, entry-level wages, and on the job training by certain segments of the industry may have contributed to the low enrollment. There is not a need in the college's service area to continue the program.
Southeastern CC	Agricultural Biotechnology (A20110)	No enrollment for two years or more. The termination is due to a decrease in small to medium agriculture in the immediate area. The college plans to review other possible agriculture programs that may be a better match for their service area.

**Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges**

<b>Community College</b>	<b>Curriculum Title/Code</b>	<b>College Rationale for Termination</b>
<b>May 18, 2018 (Continued)</b>		
Southeastern CC	Sustainable Agriculture (A15410)	No enrollment for two years or more. The termination is due to a decrease in small to medium agriculture in the immediate area. The college plans to review other possible agriculture programs that may be a better match for their service area.
Surry CC	Entrepreneurship (A25490)	No enrollment for two or more years. The college will continue to offer related courses under their Business Administration (A25120) curriculum program.
Western Piedmont CC	Sustainability Technologies (A40370)	No enrollment. The industry had slower growth than expected, with reduced energy prices and fewer tax incentives. The practices will be embedded in related programs such as building construction.
Wilson CC	Fire Protection Technology (A55240)	Low enrollment. The program has seen declining enrollment over the past five years. Discussions with local fire agencies indicate that a two-year associate degree in Fire Protection is not necessary for advancement. Other associate degree programs such as Business Administration and Criminal Justice Technology may serve that purpose.
Wilson CC	Mechanical Engineering Technology (A40320)	Low enrollment. The program has seen declining enrollment over the past five years. The Mechanical Engineering Technology Advisory Board suggested that an AAS degree is not necessary for employment in the college's service area. The college will develop a certificate, containing appropriate courses, that should better serve industry needs within their Applied Engineering Technology curriculum program.
<b>July 20, 2018</b>		
Fayetteville Technical CC	General Occupational Technology (A55280)	No enrollment. Students are enrolling in other programs at the college which can better meet their academic goals.

**Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges**

<b>Community College</b>	<b>Curriculum Title/Code</b>	<b>College Rationale for Termination</b>
<b>July 20, 2018 (Continued)</b>		
Fayetteville Technical CC	Nuclear Medicine Technology (A45460)	No enrollment for over two years. Lack of student interest and local employer needs did not justify the expense of the program.
Guilford Technical CC	Furniture Upholstery (Diploma) (D50220)	No enrollment for over two years. An analysis of the for-credit curriculum and local furniture industry needs indicated that the program is more suitable as a continuing education offering.
Guilford Technical CC	Nurse Aide (Certificate) (C45840)	No enrollment for over two years. The college has attempted to offer this program through curriculum and it has not generated sufficient enrollment. The college offers courses through continuing education to meet community and workforce needs.
Lenoir CC	Aerostructure Manufacturing and Repair Technology (A50450)	Low enrollment. The college has found that students and industry are better served by offering aerostructure training within their Continuing Education department.
Lenoir CC	Sustainability Technologies (A40370)	Low enrollment. The college has found that students and industry are better served by offering sustainability training within their Continuing Education department as embedded competencies contained in construction trades courses.
Piedmont CC	Human Services Technology/Social Services (A4538D)	Low enrollment: Students are enrolling in the parent program Human Services Technology (A45380) which meets employer needs.
Rowan-Cabarrus CC	Health and Fitness Science (A45630)	In 2015, the college experienced a decrease in student enrollment and subsequently a reduction in funding. Through reevaluation of all their approved programs, the college decided it was more fiscally responsible to focus resources on implementing their Occupational Therapy Assistant and Physical Therapist Assistant programs and expanding their Dental Assisting and Nursing Programs.

**Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges**

<b>Community College</b>	<b>Curriculum Title/Code</b>	<b>College Rationale for Termination</b>
<b>July 20, 2018 (Continued)</b>		
Rowan-Cabarrus CC	Therapeutic Massage (A45750)	In 2015, the college experienced a decrease in student enrollment and subsequently a reduction in funding. Through reevaluation of all their approved programs, the college decided it was more fiscally responsible to focus resources on implementing their Occupational Therapy Assistant and Physical Therapist Assistant programs and expanding their Dental Assisting and Nursing Programs.
Tri-County CC	Entrepreneurship (A25490)	No enrollment. There was a lack of employment opportunities for graduates in the service area which led to a lack of enrollment. The college will offer entrepreneurship related courses under the existing Business Administration (A25120) program.
Tri-County CC	Hospitality Management (A25110)	No enrollment for two or more years. Expectations of employment and advancement at the casino did not materialize into student demand.
Western Piedmont CC	Nurse Aide (Certificate) (C45840)	No enrollment for over two years. The college offers courses through continuing education to meet community and workforce needs.
Western Piedmont CC	Nurse Aide (Diploma) (D45970)**	No enrollment for over two years. The college offers courses through continuing education to meet community and workforce needs.
Western Piedmont CC	Phlebotomy (Certificate) (C45600)	No enrollment for over two years. The college offers courses through continuing education to meet community and workforce needs.
Western Piedmont CC	Phlebotomy (Diploma) (D45950)**	No enrollment for over two years. The college offers courses through continuing education to meet community and workforce needs.
Wilkes CC	Electronics Engineering Technology (A40200)	No enrollment for over two years. The college felt that the content was better taught as a specialty under their Applied Engineering Technology (A40130) program.
Wilkes CC	Emergency Medical Science (Diploma) (D45910)**	No enrollment for over two years. The college may offer a local certificate or diploma from their Emergency Medical Services (A45340) program to meet student or employer needs.

**Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges**

<b>Community College</b>	<b>Curriculum Title/Code</b>	<b>College Rationale for Termination</b>
<b>July 20, 2018 (Continued)</b>		
Wilkes CC	Infant/Toddler Care (Certificate) (C55290)	No enrollment for over two years. The college has created a local certificate for students interested in infant/toddler care under the Early Childhood Education (A55220) program.
Wilkes CC	Medical Assisting (Diploma) (A45920)**	No enrollment for over two years. The college may offer a local certificate or diploma from their Medical Assisting program (A45400) program to meet student or employer needs.
Wilkes CC	Paralegal Technology (A25380)	No enrollment. There was a lack of employment opportunities for graduates in the college's service area which led to a lack of enrollment. The college may consider offering the program through an Instructional Service Agreement with one of the nearby community colleges if there is a future need.
<b>August 17, 2018</b>		
Asheville-Buncombe Technical CC	Cardiovascular Sonography (A45160)	No enrollment: The anticipated need by healthcare employers in the service area did not materialize.
Asheville-Buncombe Technical CC	Central Sterile Processing (Certificate) (C45180)	The college will offer some related content through a continuing education course, if needed, to meet community and workforce needs.
Asheville-Buncombe Technical CC	Practical Nursing (Diploma) (D45660)	Insufficient employment opportunities within the college's service area since acute care facilities/hospitals stopped hiring the licensed practical nurse.
Asheville-Buncombe Technical CC	School-Age Education (A55440)	No enrollment. Students are choosing to enroll in other programs which better support available employment opportunities in the area.
Asheville-Buncombe Technical CC	Therapeutic Massage (A45750)	Students that complete a training program which consists of a minimum of 500 in-class hours of supervised instruction are eligible to take the Massage and Bodywork Licensing exam, therefore, dtudents were leaving the program prior to completing their degree. The college will offer courses through continuing education to meet community and workforce needs.



**Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges**

<b>Community College</b>	<b>Curriculum Title/Code</b>	<b>College Rationale for Termination</b>
<b>August 17, 2018 (Continued)</b>		
Stanly CC	Industrial Systems Technology (A50240)	No enrollment for over two years. The college has recently added welding and computer-integrated machining programs to more effectively serve these industries.
Wake Technical CC	Surgical Technology (A45740)	There are limited full-time employment opportunities for graduates in the service area. In addition, the program completion rates were low. According to the U.S. Bureau of Labor Statistics the job outlook is not promising locally or state-wide over the next six years.
<b>September 21, 2018</b>		
Blue Ridge CC	Air Conditioning, Heating, and Refrigeration Technology (A35100)	No enrollment for over two years. Lower demand for HVAC employees within the college's service area led to a decrease demand for students graduating from the program. Additionally, the employment positions often only required a HS diploma and on the job experience; therefore, the college believes students would be better served with directed training made available through their continuing education program.
Blue Ridge CC	Esthetics Instructor (Certificate) (C55270)	No enrollment for over two years. There has been limited demand for the certificate due to a lack of students who are interested in the teaching aspect of esthetics.
Cape Fear CC	Real Estate (A25400)	No enrollment for over two years. The college has been offering real estate courses under their existing Real Estate Licensing (Certificate) (C25480) program instead of offering the Real Estate (A25400) program. The college may also offer real estate training under continuing education if needed in the future.
Central Piedmont CC	Truck Driver Training (Certificate) (C60300)	The program is offered more effectively through continuing education.
Sampson CC	Horticulture Technology (A15240)	Low enrollment. There has been a lack of student interest in the program due to a reduction of jobs within the service area and low salaries. The content can be offered through continuing education if a future need arises.

**Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges**

<b>Community College</b>	<b>Curriculum Title/Code</b>	<b>College Rationale for Termination</b>
<b>September 21, 2018 (Continued)</b>		
Wayne CC	Sustainability Technologies (A40370)	No enrollment for over two years. The program has not had student interest due to lack of careers in the service area. Several of the competencies are being offered through the Industrial Systems program or through continuing education courses.
<b>October 19, 2018</b>		
Brunswick CC	Office Administration (A25370)	Low enrollment. There is a lack of employment opportunities for graduates within the service area. The college will continue offering some of the content through their Business Administration (A25120) and Healthcare Business Informatics (A25510) programs.
<b>November 16, 2018</b>		
Sandhills CC	Polysomnography (A45670)	Low enrollment. The program had low student interest due to the limited number of full-time jobs within the service area.
Stanly CC	Manicuring/Nail Technology (Certificate) (C55400)	No Enrollment for over two years. The college offers similar content through continuing education.

*\*\*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.*



**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)	Information Technology (A25590)
Building Construction Technology (A35140)	Lateral Entry (Certificate)(C55430)
Carpentry (Diploma)(D35180)	Masonry (Diploma) (D35280)
Community Spanish Interpreter (A55370)	Medical Office Administration (A25310)
Construction Management Technology (A35190)	Plumbing (Diploma) (D35300)
Electrical Systems Technology (A35130)	School-Age Care (Certificate)(C55450)
Entrepreneurship (A25490)	Supply Chain Management (A25620)
Geomatics Technology (A40420)	Sustainability Technologies (A40370)
Industrial Systems Technology (A50240)	Welding Technology (A50420)
Infant/Toddler Care (Certificate)(C55290)	

***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)



**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**

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