NC COMMUNITY COLLEGES
CREATING SUCCESS

Curriculum Program
Approvals and Terminations

January - December 2014

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December 2014

NC COMMUNITY
COLLEGES
CREATING SUCCESS

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Executive Summary

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

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

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

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 1A SBCCC 400.96, these agreements are approved by the NC Community College System Office, involve the sharing of resources and may include the sharing of FTE.

From January 2014 through December 2014, a total of **119** curriculum programs were approved and/or reported to the State Board of Community Colleges. Of the **119** approved programs, **115** programs were existing curriculum programs, **1** was New-to-the-System and **3** were Level III Instructional Service Agreements.

The New to the System program is:
> Medical Product Safety/Pharmacovigilance (A45810)
> > (One college received approval for this new program.)

Per rule 1D SBCCC 400.95 (b), community colleges shall terminate a curriculum program when there has been zero enrollment for two years or request a one-year extension of the program. From January 2014 through December 2014, the North Carolina Community College System received program termination requests from **20** colleges. The colleges requested termination of one or more of their curriculum programs resulting in the termination of **83** 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 programs and all existing program titles that have not been identified as eligible for the abbreviated process.

> New-to-the-System Curriculum Programs Applications......................................1

> Existing Curriculum Programs Applications...58

Subtotal: 59

Special Curriculum Program Applications
> The State Board of Community Colleges has established an abbreviated or "special application" approval process for existing programs titles that have been identified as necessary to meet an immediate or critical need.

> Special Curriculum Program Applications 57

Subtotal: 57

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

> Instructional Service Agreements (Level III)..3

Subtotal: 3

Total Curriculum Program Approvals...Grand Total: 119

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

Asheville-Buncombe Technical Community College.. 2
Aviation Management and Career Pilot Technology (A60180)
Central Sterile Processing (Certificate) (C45180)

Beaufort County Community College 1
Agribusiness Technology (A15100)

Brunswick Community College 1
Marine Biotechnology (A20170)

Caldwell Community College and Technical Institute....................................... 3
Computer Technology Integration (A25500)
Hospitality Management (A25110)
Medical Assisting (A45400)

Cape Fear Community College 4
Cardiovascular Sonography (A45160)
Computer Technology Integration (A25500)
Emergency Medical Science (A45340)
Mechatronics Engineering Technology (A40350)

Catawba Valley Community College... 1
Mechatronics Engineering Technology (A40350)

Central Piedmont Community College 1
Emergency Medical Science (A45340)

Cleveland Community College... 1
Computer Technology Integration (A25500)

College of The Albemarle 3
Computer Technology Integration (A25500)
Health Care Technology (Certificate) (C45350)
Human Services Technology (A45380)

Davidson Community College 2
Central Sterile Processing (Certificate) (C45180)
Surgical Technology (A45740)

Durham Technical Community College 2
Nursing Assistant (Certificate) (C45480)
Medical Product Safety/Pharmacovigilance (A45810)*

Gaston College 1
Healthcare Business Informatics (A25510)

Guilford Technical Community College 1
Aerostructure Manufacturing and Repair Technology (A50450)

Johnston Community College... 1
Nursing Assistant (Certificate) (C45480)

Lenoir Community College...1
Sustainable Agriculture (A15410)

Mayland Community College..1
Applied Engineering Technology (A40130)

Mitchell Community College **2**
      Agribusiness Technology (A15100)
      Computer Technology Integration (A25500)

Randolph Community College **3**
      Computer Technology Integration (A25500)
      Facility Maintenance Technology (A50190)
      Human Services Technology (A45380)

Richmond Community College **1**
      Mechatronics Engineering Technology (A40350)

Robeson Community College **2**
      Emergency Medical Science (A45340)
      Medical Assisting (A45400)

Rowan-Cabarrus Community College **6**
      Advertising and Graphic Design (A30100)
      Health and Fitness Science (A45630)
      Nursing Assistant (Certificate) (C45480)
      Occupational Therapy Assistant (A45500)
      Physical Therapist Assistant (2-year program) (A45620)
      Therapeutic Massage (A45750)

South Piedmont Community College **6**
      Agribusiness Technology (A15100)
      Baking and Pastry Arts (A55130)
      Cardiovascular Sonography (A45160)
      Culinary Arts (A55150)
      Cyber Crime Technology (A55210)
      Nursing Assistant (Certificate) (C45480)

Southeastern Community College **1**
      Sustainable Agriculture (A15410)

Southwestern Community College **2**
      Computed Tomography & Magnetic Resonance Imaging Technology
            (Diploma) (D45200)
      Mechatronics Engineering Technology (A40350)

Surry Community College **1**
      Mechatronics Engineering Technology (A40350)

Tri-County Community College **2**
      Culinary Arts (A55150)
      Hospitality Management (A25110)

Vance-Granville Community College **1**
      Mechatronics Engineering Technology (A40350)

Wake Technical Community College **2**
      Collision Repair and Refinishing Technology (A60130)
      Heavy Equipment Operator (Diploma) (D35240)

Western Piedmont Community College **2**
      Nursing Assistant (Certificate) (C45480)
      Phlebotomy (Certificate) (C45600)

Wilkes Community College **2**
        Applied Animal Science Technology (A15280)
        Computer Technology Integration (A25500)

Total **59**

New to the System Program

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

Alamance Community College.. **1**
  Infant/Toddler Care (Certificate) (C55290)

Beaufort County Community College **1**
  Nursing Assistant (Diploma) (D45930)*

Bladen Community College **1**
  Nursing Assistant (Diploma) (D45930)*

Blue Ridge Community College **1**
  Emergency Medical Science (Diploma) (D45910)*

Caldwell Community College and Technical Institute....................................... **1**
  Medical Assisting (Diploma) (D45920)*

Central Carolina Community College **2**
  Medical Assisting (Diploma) (D45920)*
  Nursing Assistant (Diploma) (D45930)*

Cleveland Community College.. **4**
  Emergency Medical Science (Diploma) (D45910)*
  Medical Assisting (Diploma) (D45920)*
  Nursing Assistant (Diploma) (D45930)*
  Phlebotomy (Diploma) (D45950)*

College of The Albemarle **3**
  Medical Assisting (Diploma) (D45920)*
  Nursing Assistant (Diploma) (D45930)*
  Phlebotomy (Diploma) (D45950)*

Davidson County Community College **5**
  Emergency Medical Science (Diploma) (D45910)*
  Medical Assisting (Diploma) (D45920)*
  Nursing Assistant (Diploma) (D45930)*
  Pharmacy Technology (Diploma) (D45940)*
  Therapeutic Massage (Diploma) (D45960)*

Durham Technical Community College **3**
  Emergency Medical Science (Diploma) (D45910)*
  Medical Assisting (Diploma) (D45920)*
  Pharmacy Technology (Diploma) (D45940)*

Edgecombe Community College **1**
    Business Administration/Logistics Management (A2512E)

Fayetteville Technical Community College.. **1**
    Nursing Assistant (Diploma) (D45930)*

Gaston College **2**
    Human Services Technology/Developmental Disabilities (A4538A)
    Nursing Assistant (Diploma) (D45930)*

Johnston Community College.. **5**
    Emergency Medical Science (Diploma) (D45910)*
    Medical Assisting (Diploma) (D45920)*
    Nursing Assistant (Diploma) (D45930)*
    Pharmacy Technology (Diploma) (D45940)*
    Therapeutic Massage (Diploma) (D45960)*

Mayland Community College... **1**
    Nursing Assistant (Diploma) (D45930)*

McDowell Technical Community College.. **1**
    Nursing Assistant (Diploma) (D45930)*

Nash Community College **2**
    Medical Assisting (Diploma) (D45920)*
    Phlebotomy (Diploma) (D45950)*

Pamlico Community College... **1**
    Human Services Technology/Gerontology (A4538B)

Piedmont Community College.. **4**
    Human Services Technology/Gerontology (A4538B)
    Medical Assisting (Diploma) (D45920)*
    Nursing Assistant (Diploma) (D45930)*
    Phlebotomy (Diploma) (D45950)*

Robeson Community College **3**
    Emergency Medical Science (Diploma) (D45910)*
    Nursing Assistant (Diploma) (D45930)*
    Welding Technology (A50420)

Southeastern Community College.. **1**
    Manicuring/Nail Technology (A55400)

Southwestern Community College... **5**
      Emergency Medical Science (Diploma) (D45910)*
      Medical Assisting (Diploma) (D45920)*
      Nursing Assistant (Diploma) (D45930)*
      Phlebotomy (Diploma) (D45950)*
      Therapeutic Massage (Diploma) (D45960)*

South Piedmont Community College.. **1**
      Welding Technology (A50420)

Tri-County Community College **2**
      Emergency Medical Science (Diploma) (D45910)*
      Medical Assisting (Diploma) (D45920)*

Vance-Granville Community College... **3**
      Medical Assisting (Diploma) (D45920)*
      Nursing Assistant (Diploma) (D45930)*
      Pharmacy Technology (Diploma) (D45940)*

Wilkes Community College **2**
      Medical Assisting (Diploma) (D45920)*
      Nursing Assistant (Diploma) (D45930)*

Total **57**

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

Asheville-Buncombe Technical Community College **5**
    Biotechnology (A20100)
    Computed Tomography and Magnetic Imagining Technology (Diploma) (D45200)
    Mechanical Drafting Technology (A50340)
    Real Estate (A25400)
    Resort and Spa Management (A55410)

Beaufort County Community College **2**
    Accounting (A25100)
    Lateral Entry (Certificate) (C55430)

Blue Ridge Community College **3**
    Automotive Restoration Technology (Diploma) (D60140)
    Business Administration/Electronic Commerce (A2512I)
    Health Unit Coordinator (Certificate) (C25220)

Carteret Community College **1**
    Interior Design (A30220)

Catawba Valley Community College **4**
    Architectural Technology (A40100)
    Cyber Crime Technology (A55210)
    Furniture Upholstery (Diploma) (D50220)
    Graphic Arts and Imaging Technology (A30180)

Central Piedmont Community College **1**
    Associate in General Education (A10300)

Davidson County Community College **2**
    Business Administration/Logistics Management (A2512E)
    Community Spanish Interpreter (A55370)

Halifax Community College **7**
    Associate in Fine Arts (A10200)
    Cosmetology Instructor (Certificate) (C55230)
    Electronics Engineering Technology (A40200)
    Esthetics Technology (Certificate) (C55230)
    Lateral Entry (Certificate) (C55430)
    Pulp and Paper Technology (A50430)
    School-Age Education (A55440)

Haywood Community College **2**
    Low Impact Development (A40290)
    Therapeutic Massage (A45750)

Lenoir Community College **6**
Agricultural Biotechnology (A20110)
Central Sterile Processing (Certificate) (C45180)
Computer Programming (A25130)
Lateral Entry (Certificate) (C55430)
Manicuring/Nail Technology (Certificate) (C55400)
School-Age Education (A55440)

Mayland Community College... **5**
Accounting (A25100)
Associate in Fine Arts (A10200)
Hospitality Management (A25110)
Medical Office Administration (A25310)
Practical Nursing (Diploma) (D45660)

Pitt Community College **2**
Greenhouse and Grounds Maintenance (Certificate) (C15220)
Infant/Toddler Care (Certificate) (C55290)

Richmond Community College **2**
Associate in General Education (A10300)
General Occupational Technology (A55280)

Rockingham Community College **22**
Associate in General Education (A10300)
Business Administration/Customer Service (A2512B)
Business Administration/Electronic Commerce (A2512I)
Business Administration/Human Resources Management (A2512C)
Carpentry (Diploma) (D35180)
Central Sterile Processing (Certificate) (C45180)
Cosmetology Instructor (Certificate) (C55160)
Environmental Science Technology (A20140)
Esthetics Technology (Certificate) (C55230)
Fine and Creative Woodworking (A30160)
Greenhouse and Grounds Maintenance (Certificate) (C15220)
Health Care Technology (Certificate) (C45350)
Information Systems Security (A25270)
Lateral Entry (Certificate) (C55430)
Licensed Practical Nurse Refresher (Certificate) (C45390)
Manicuring/Nail Technology (Certificate) (C55400)
Mechanical Engineering Technology (A40320)
Networking Technology (A25340)
Occupational Therapy Assistant (A45500)
Office Administration/Legal (A2537A)
Real Estate (A25400)
School-Age Education (A55440)

Rowan-Cabarrus Community College **1**
Esthetics Instructor (Certificate) (C55270)

Southwestern Community College... **1**
Practical Nursing (Diploma) (D45660)

Vance-Granville Community College.. **3**
      Business Administration/Electronic Commerce (A2512I)
      Business Administration/Operations Management (A2512G)
      Recreation and Leisure Studies (A55360)
Wake Technical Community College **2**
      Associate in General Education (A10300)
      Real Estate (A25400)
Wayne Community College **3**
      Associate in Fine Arts (A10200)
      Cosmetology (A55140)
      Esthetics Technology (Certificate) (C55230)
Wilkes Community College **9**
      Associate in Fine Arts (A10200)
      Business Administration/Electronic Commerce (A2512I)
      Computer Engineering Technology (A40160)
      Computer Programming (A25130)
      Criminal Justice Technology/Financial Crime/Computer Fraud (A5518B)
      Electrical Systems Technology (A35130)
      General Occupational Technology (A55280)
      Human Services Technology/Social Services (A4538D)
      Web Technologies (A25290)

Total Program Terminations **83**

Appendices

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
January 17, 2014		
College of The Albemarle	Human Services Technology (A45380)	• Employment of social and human service assistants is anticipated to grow by twenty-eight percent between 2012-2020. *(U.S. Bureau of Labor Statistics Occupational Outlook Handbook)*
		• According to the Northeastern Workforce Development Board, employment in three occupational groupings which are associated with the Human Services Technology degree, are projected to experience job growth in the service area. The occupational work groups include: Health Care Support, Personal Care and Service, and Community and Social Services. All three groupings are projected to grow at twenty-four percent (482 positions), seventeen percent (488 positions), and thirteen percent (126 positions) respectively, by 2016.
		• An increasing aging population will have more medical conditions which will require an increase in health care professionals. In 2011, three of the counties in their service area had more residents older than sixty than the number of residents younger than seventeen. In 2025, it is projected that all seven counties in their service area will have more residents older than sixty than the number of residents younger than seventeen. *(UNC Institute on Aging)*
		• A letter of support for the Human Services Technology program was submitted by the Northeastern Workforce Development Board. The letter noted that the skills and knowledge taught in this curriculum is needed for their local health and human services related workforce.
		• The college has adequate facilities to house the Human Services Technology program. The start-up cost of instruction does not require a full-time faculty position. Instead they will utilize current health science and wellness program faculty, current general education faculty and adjuncts with specialization in the field. The annual ongoing part-time faculty cost is estimated to be $25,000. A program coordinator from existing faculty will be selected.
Durham Technical CC	Medical Product Safety and Pharmacovigilance (A45810)	• North Carolina is home to the third largest cluster of biotechnology, pharmaceutical, and life science companies. The development of the Medical Product Safety (MPS) and Pharmacovigilance program addresses the critical need that has been voiced by the industry. In the Research Triangle Park (RTP) area alone, there are more than twenty-three companies either focused on product safety as their primary service or which incorporate product safety services.
		• According to the college's 2011 industry survey, sent to thirty-four biopharma employers in the Research Triangle area, it was projected more than two hundred and fifty pharmacovigilance/product safety-related positions will be open over the next four years.
		• According to the Association of Clinical Research professions, the average clinical research professional salary in the RTP is $65,000. A Clinical Research Associate position is named as #4 in the 2012 Best Jobs in America survey by CNN Money (money.cnn/best-jobs).
		• On January 17, 2013, Durham Technical Community College received a grant of $46,742 from the North Carolina Biotechnology Center to develop and implement the program.
		• Letters of support for the Medical Product Safety and Pharmacovigilance program were submitted to Durham Technical Community College by local employers including RTI Health Solutions, Drug Safety Alliance of Durham, OCKHAM Oncology, Ethos Clinical Group, and DATATRACK.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
January 17, 2014 (Continued)		
Durham Technical CC (Cont'd)	Medical Product Safety and Pharmacovigilance (A45810)	• The college's Medical Product Safety and Pharmacovigilance Advisory Committee is composed of leaders in the medical product industry, including consultants and representatives from drug companies and contract research organizations. These industry professionals have been the resource and content experts in the development of the courses. • DATATRAK International, Inc. has agreed to provide software for the Medical Product Safety and Pharmacovigilance program that is estimated to cost one million dollars. • Durham Tech will initially launch the Medical Product Safety and Pharmacovigilance program as part of an academic certificate geared toward experienced clinical research professionals, allied health and medical professionals, and science majors.
Tri-County CC	Culinary Arts (A55150)	• The proposed program will support an Hospitality initiative designed to meet the evolving workforce needs of the three counties (Cherokee, Clay and Graham) based on the growing leisure and hospitality sector across the state as well as the decision of the Eastern Band of Cherokee Indians to build a resort/casino in Murphy. • Unemployment rates have been high in the service area (average of 10.1% within the three counties). The one encouraging area has been the hospitality sector. Job growth in the sector of Leisure and Hospitality Services was 18.7% from August 2012 to August 2013. *(Department of Commerce)* • The groundbreaking ceremony for Harrah's Cherokee Valley River Casino and Hotel took place on October 15, 2013. The Resort Casino will have six distinct restaurants on site. Harrah's projects that the Resort Casino will create 900 new jobs, of which 70% will be divided between hospitality and culinary position. Two hundred and fifty of the 900 positions will be specific to the culinary field. • There are potential entrepreneurial opportunities for graduates of the proposed program. • The Cherokee County Economic Development Commission believes that having a workforce that is skilled in hospitality management and culinary arts will encourage the creation of new businesses. • The college worked with local culinary and hospitality employers on developing an efficient and productive educational model tied to real-world learning outcomes. The model is built to satisfy current local employment demands as well as provide their students with a valuable career skills et for the future. • College staff worked with local employers who stressed the value of a true culinary arts program in developing the local workforce and providing better *career* options for local residents versus short-term employment. • A survey of local high school students and a general website-based survey indicated that seventy-five students were interested in the program. The college projects an enrollment of twenty full-time students for Fall of 2014. • The College has received a Golden Leaf grant in the amount of $600,000 to renovate and expand existing instructional space to house a culinary/hospitality program as well as purchase equipment. • The College provided a letter of support from the Cherokee County Economic Development Commission which indicated that the *proposed program is important for the future growth of Cherokee County.*

Community College (CC)	Curriculum Title and Code	Rationale for Approval
Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
January 17, 2014 (Continued)		
Tri-County CC (Cont'd)	Culinary Arts (A55150)	• The College provided a letter of support from the Clay County Economic Development Commission which indicated that the proposed program *will create the skilled workforce needed for the service industry to flourish.* • The College provided a letter of support from the Graham County Economic Development Director which indicated that *having a workforce that is skilled in hospitality management and culinary arts will encourage the creation of new businesses.* • The College also provided letters of support from various resorts, restaurants and the Tribal Casino Gaming Enterprise.
February 21, 2014		
Cape Fear CC	Mechatronics Engineering Technology (A40350)	• The NC Division of Employment Security (DES) projects positive job growth in the industry sectors that include mechatronic technicians for 2014-20. DES reported that many local jobs requiring mechatronic-type skills go unfilled because the applying candidates exhibit a skills-gap between their abilities and the job requirements thereby not qualifying them for these positions. • Local employer, GE Aviation, voiced concerns over their difficulties locating qualified workers possessing the necessary skills to be effective in their modern, highly automated facility, including the ability to maintain and repair automation, electromechanical, and servo-mechanical devices and equipment. • Local companies including GE-Hitachi, Corning Incorporated, Fenner Drives, GE Aviation, and Interroll have invested in more complex automation and robotic systems to move and package products, speed production, increase productivity, and to reduce overall production cost to meet the global economy, thereby creating a demand for employees who possess mechatronic-specific skills. GE Aviation announced that they intend to invest $63 million in their Castle Hayne plant to meet $57 billion worth of industry contracts it has secured since November 2011. • Acme Smoked Fish of New York recently announced that it plans to open a processing plant in Pender County that will include automated and linear transfer systems for product handling and various types of control systems requiring skilled mechatronic technicians to install and maintain them. • CFCC surveyed students regarding their potential interest in a mechatronics technology program. Eighty-three students indicated interest in enrolling in the program. • The college currently provides instruction for the various courses contained within the mechatronics program of study in their engineering and industrial departments: therefore, there will be no additional start-up costs associated with the mechatronics program.
College of The Albemarle	Health Care Technology (Certificate) (C45350)	• Employment of health care support occupations is anticipated to grow by thirty-four percent between 2012-2020. The nursing aides/orderlies/attendants category is estimated to grow twenty percent over the next ten years. *(U.S. Bureau of Labor Statistics Occupational Outlook Handbook).*

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
February 21, 2014 (Continued)		
College of The Albemarle (Cont'd)	Health Care Technology (Certificate) (C45350)	• According to the Northeastern Workforce Development Board, employment in two occupational groupings which are associated with the Health Care Technology certificate, are projected to experience job growth in the service area. The occupational work groups include: Health Care Support, and Personal Care and Service. Both occupational groupings are projected to grow at twenty-four percent (482 positions), and seventeen percent (488 positions), respectively, by 2016. • An increasing aging population will have more medical conditions which will require an increase in health care professionals. In 2011, three of the counties in their service area had more residents older than sixty than the number of residents younger than seventeen. In 2025, it is projected that all seven counties in their service area will have more residents older than sixty than the number of residents younger than seventeen. *(UNC Institute on Aging)* • A letter of support for the Health Care Technology program was submitted by Albemarle Hospital. Their letter noted "as we embark on our affiliation with a new community partner that uses the 'care partner' model for nursing assistive personnel, it is important for a local training resource be provided to meet this industry's need." • The new community partner is anticipated to lease Albemarle Hospital in early spring 2014. It will allow for re-training of the existing assistive workforce of the hospital to meet the new model of care, which includes approximately 40 current nursing assistants. According to the new community partner the "care partner" combines the quality of caring with technical interventions, communication, and knowledge integration to support the nurse in the delivery of quality client care in an acute care setting. They assist patients with daily living activities such as bathing and eating. The 'care partners' also take vital signs, draw blood specimens, perform wound care and dressing changes, insert urinary catheters and perform EKGs. The Health Care Technology program will allow the college to create cross trained individuals that meet the hiring requirement of the "care partner" model. • The college has adequate facilities to house the Health Care Technology program. The start-up cost of instruction does not require a full-time faculty position. Instead they will utilize current health science and wellness program faculty, current general education faculty and adjuncts with specialization in the field. The annual ongoing part-time faculty cost is estimated to be $25,000 and lab supplies are estimated at $5,000. A program coordinator from existing faculty will be selected.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
February 21, 2014 (Continued)		
Davidson County CC	Central Sterile Processing (Certificate) (C45180)	• Wake Forest Baptist has recently completed construction of a new hospital in Davie County. The county has donated the existing hospital facility to DCCC and to Davie County Health Department. DCCC will acquire the following portions of the facility: the emergency department, the imaging department, and the surgical suites. The equipment housed in these departments is included in the donation. The donated space provides ample classroom and laboratory space for starting the program. • DCCC is an active participant in the Piedmont Alliance for Triad Healthcare (PATH). PATH serves as an advisory council to advocate for and further develop Allied Health workforce to meet healthcare needs within the Piedmont Triad region. In 2013, a PATH meeting was held specifically to address sterile processing. Employers noted challenges in recruiting experienced and certified sterile processors. • Thirty-six of the four hundred and thirty-three health science students surveyed at the eleven high schools in Davidson and Davie counties expressed interest in the Central Sterile Processing program. • Letters of support for the program were submitted to DCCC by local employers including Wake Forest Baptist Hospital-Davie Medical Center, Wake Forest Baptist Hospital-Lexington Medical Center, Novant Health-Thomasville Medical Center, and Cone Health. • Wake Forest Baptist Hospital-Davie Medical Center has indicated they anticipate hiring a minimum of one hundred graduates (Central Sterile Processing and Surgical Technology) within the next five years to replace employees who retire or resign, or to fill new positions in their expanding facility. • Wake Forest Baptist Hospital-Lexington Medical Center has indicated they anticipate hiring two to three graduates (Central Sterile Processing and Surgical Technology) within the next five years to replace employees who retire or resign, or to fill new positions in their expanding facility. • Novant Health-Thomasville Medical Center has indicated they anticipate hiring one hundred to one hundred and fifty graduates (Central Sterile Processing and Surgical Technology) within the next five years to replace employees who retire or resign, or to fill new positions in their expanding facility. • Cone Health indicated they anticipate hiring fifty graduates (Central Sterile Processing and Surgical Technology) within the next five years to replace employees who retire or resign, or to fill new positions in their expanding facility. • The Lexington and Thomasville Chambers of Commerce provided letters of support for the program.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
February 21, 2014 (Continued)		
Davidson County CC	Surgical Technology (A45740)	• Wake Forest Baptist has recently completed construction of a new hospital in Davie County. The county has donated the existing hospital facility to DCCC and to Davie County Health Department. DCCC will acquire the following portions of the facility: the emergency department, the imaging department, and the surgical suites. The equipment housed in these departments is included in the donation. The donated space provides ample classroom and laboratory space for starting the program. • One hundred and ninety-five of the four hundred and thirty-three health science students surveyed at the eleven high schools in Davidson and Davie counties expressed interest in the Surgical Technology program. • Letters of support for the program were submitted to DCCC by local employers including Wake Forest Baptist Hospital-Davie Medical Center, Wake Forest Baptist Hospital-Lexington Medical Center, Novant Health-Thomasville Medical Center, and Cone Health. • Wake Forest Baptist Hospital-Davie Medical Center has indicated they anticipate hiring a minimum of one hundred graduates (Central Sterile Processing and Surgical Technology) within the next five years to replace employees who retire or resign, or to fill new positions in their expanding facility. • Wake Forest Baptist Hospital-Lexington Medical Center has indicated they anticipate hiring two to three graduates (Central Sterile Processing and Surgical Technology) within the next five years to replace employees who retire or resign, or to fill new positions in their expanding facility. • Novant Health-Thomasville Medical Center has indicated they anticipate hiring one hundred to one hundred and fifty graduates (Central Sterile Processing and Surgical Technology) within the next five years to replace employees who retire or resign, or to fill new positions in their expanding facility. • Cone Health indicated they anticipate hiring fifty graduates (Central Sterile Processing and Surgical Technology) within the next five years to replace employees who retire or resign, or to fill new positions in their expanding facility. • The Lexington and Thomasville Chambers of Commerce provided letters of support for the program.
Johnston CC	Nursing Assistant (Certificate) (C45480)	• It is estimated seventy to eighty percent of the hands-on assistance to individuals with long-term and personal assistance needs are provided by direct care workers. Direct care workers include the following: nursing aides, home health aides, and personal care aides. In the U.S., the direct-care workforce surpassed 3.3 million in 2010 and an additional 1.6 million new positions is projected by 2020. *(Paraprofessional Healthcare Institute, February 2013).* • In 2011, the U.S. Department of Health and Human Services Task Force on Aging reported nationally seventy-seven million baby boomers would turn sixty-five years of age that year. They also projected by 2025 the number of Medicare recipients will reach 69.3 million and represent 20.6% of the U.S. population.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
February 21, 2014 (Continued)		
Johnston CC (Cont'd)	Nursing Assistant (Certificate) (C45480)	• 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. The NC Long-Term Occupational Projections for 2006-2016 ranked hospitals and nursing/residential care facilities as top industries with growing employment. As a state, they estimate we have 6,500 nurse aide vacancies annually. • Johnston County has an on-going need for nursing assistants in the long term care setting and in home care. Four nursing homes, seven assisted living facilities, one home health agency, and one residential hospice facility are located within the county. The facilities reported an average vacancy rate of six to ten percent for nursing assistants. • Home care aides are expected to gain jobs quicker than other certified nursing assistants due to the growing demand for in-home care. *(Bureau of Labor Statistics, 2013)* • JCC currently offers the nursing assistant program through continuing education. Their continuing education program was reapproved by the Department of Health and Human Services on March 27, 2013. In 2013, their program reported a 97% pass rate. • The eight high schools in Johnston County are interested in the nursing assistant program being available as a Career and College Promise pathway for their students. • Letters of support for the program were submitted to JCC by local partners and employers which include: Johnston County Schools, Johnston Medical Center, Smithfield Manor Inc., Wayne Memorial Hospital, and Harnett Health.
Mitchell CC	Computer Technology Integration (A25500)	• The proposed Computer Technology Integration (CTI) program will meet the needs of current and prospective students at Mitchell Community College. In addition, high-schools in the college's service area were involved in the planning process and were supportive of the proposed CTI program. • Businesses in the service area of MCC have indicated a need to hire graduates who are well versed in Information Technology. Letters and e-mails of support for the proposed program were submitted to MCC by Statesville Chamber of Commerce, NTT Data Americas, Applied System Technology, First Sun EAP Inc, Netsafe Solutions, and Auction Software. • The proposed CTI program will replace the existing Computer Information Technology (A25260) degree along with seven local computer related diplomas and certificates. • There are no additional costs associated with the proposed program since computer labs are in place and instructors are currently teaching for Mitchell Community College. • In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment. • According to a survey conducted by Mitchell Community College, 70 out of 214 local high school students expressed interest in the CTI program at Mitchell Community College.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
February 21, 2014 (Continued)		
Mitchell CC (Cont'd)	Computer Technology Integration (A25500)	• According to the NC Employment Security Commission, the employment projection report for Centralina region, which includes Iredell County, indicates annual average job openings of 230 jobs per year up to year 2016. • According to a recent job search in MCC service area, there are 189 IT related jobs currently available. Most jobs are at the Lowe's Home Improvement headquarters in Mooresville, NC.
Vance-Granville CC	Mechatronics Engineering Technology (A40350)	• The NC Department of Labor (DOL) projects approximately 200 job openings in 2012-20 for mechatronic technicians within the college's four-county planning area. • The college performed an employment needs survey indicating that there are nearly 100 available job positions within the manufacturing sector of the college's four-county planning area with additional growth projected over the next several years due in part to retirements. • VGCC received significant funding from a Trade Adjustment Assistance Community College and Career Training grant that has been utilized in part to purchase several pieces of industry equipment valued at over $300,000 to outfit the mechatronics program. • Local industries have signed partnership agreements with VGCC including providing work-based training opportunities and hiring considerations to participants enrolled in the mechatronics program during or after completion of their program of study including: Altec Industries Inc., Glen Raven Inc., and Proctor and Gamble. Bridgestone Commercial Solutions also provided VGCC with a signed letter of endorsement indicating similar support. • County economic partnership agreements were utilized to coordinate collaborations between the college and county commissions. Signed agreements between the college and Franklin County Economic Development Commission, Granville County Economic Development, Kerr-Tar Workforce Development Board and Henderson-Vance County Economic Development Commission, and Warren County Economic Development Commission, were attached to the program application documenting formalized strategies between the various county commissions and the college.
March 21, 2014		
Beaufort County CC	Agribusiness Technology (A15100)	• The proposed program is designed to prepare graduates with the entrepreneurial and technical skills necessary to manage small farms and agricultural businesses that support eastern NC. • The NC Secretary of Commerce provided a letter of support for the proposed program and stated that *because there are no other community colleges offering an agribusiness technology degree in northeastern NC, Beaufort County Community College may be able to play an important role in developing the agricultural workforce of the future.* • The four counties in the service area of Beaufort are among the most productive counties in the state in cotton, soybeans, corn and wheat. All four counties were in the top ten in corn production in 2011, and three were in the top ten for wheat. • The 2012 NC Department of Agriculture and Consumer Services indicated a total of 800 farms within the service area ranging in average size from 435 acres in Beaufort County to 792 acres in Tyrrell County.

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Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
March 21, 2014		
Beaufort County CC (Cont'd)	Agribusiness Technology (A15100)	• PotashCorp, the world's largest crop nutrient company, provided a letter of support for the proposed program. Their phosphate mining and fertilizer production facility is the largest employer in Beaufort County. They are *interested in graduates that have a commitment to serving our larger purpose of food security in the world.* • Gerard Seed Company provided a letter of support and stated that the proposed program would *directly benefit our business in terms of hiring needs and increasing the skill set of the workforce. Furthermore, this program would be a direct benefit to our local economic growth and the future of agriculture.* • The Beaufort County Board of Commissioners supports the program and indicates that the proposed program *will be of great assistance to the County as Beaufort County is an agricultural county. It will assist farmers with advanced technology that will be of benefit to them.* • The Tyrrell County Board of Commissioners supports the program and indicates that the *development of the proposed program is an integral component to the growth of a sophisticated agricultural business climate in northeastern NC.* • The Tyrrell Board of Commissioners indicates that *over 77,000 acres of the county is devoted to agriculture ranging from small family farms to massive and highly automated agribusiness.* • The NC Cooperative Extension Service indicates that in Hyde and Washington counties, agriculture accounts for $153,000,000 annually. • Student interest was determined by surveying high school students within the service area and current Beaufort County Community College students. Of the 239 students surveyed, 101 (42%) indicated interest in the program. • The college plans to utilize existing facilities to deliver the program, although some modification may be required.
Caldwell CC and TI	Medical Assisting (A45400)	• In 2011, the U.S. Department of Health and Human Services Task Force on Aging reported nationally seventy-seven million baby boomers would turn sixty-five years of age that year. They also projected by 2025 the number of Medicare recipients will reach 69.3 million and represent 20.6% of the U.S. population. • An increasing aging population will have more medical conditions which will require an increase in health care professionals. In 2011, Caldwell and Watauga counties had more residents older than sixty than the number of residents younger than seventeen. In 2025, it is projected that they will have an additional 9,711 residents in their service area over 60 years of age • The Appalachian Regional Healthcare System currently has twelve medical assistant vacancies posted. Based on CCCTI's employer survey a minimum of seventeen medical assistant positions will be open during the year.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
March 21, 2014 (Continued)		
Caldwell CC and TI (Cont'd)	Medical Assisting (A45400)	• Median wages for Medical Assistants in Watauga County are higher than the state average. According to the NC Employment Security Commission the median average in Watauga County for a Medical Assistant in 2012 was $31,532 as compared with the state median average of $28,690. In the college's immediate area Medical Assistants are projected to experience a 38.5 percent job increase from 2008-2018.
		• CCCTI currently offers the Medical Office Administration (MAO) program. Students enrolled in the MAO program have expressed a desire to obtain "back office" skills to increase their employability.
		• In 2013, the Centers for Medicare and Medicaid Services (CMS) determined "credentialed medical assistants" and licensed health care professionals are eligible to enter orders into the computerized provider order entry system. CMS has determined that credentialing of medical assistants must be obtained from an organization other than the employing organization.
		• Appalachian Regional Healthcare System Hospital administration has expressed interest in CCCTI offering the medical assistant program.
		• A local physician indicated he would be in favor of the Medical Assisting program. He noted the county is in need of well-trained certified medical assistants. New "trainees" need to understand the concept of the Patient Centered Medical Home and how important it is for practices to attest to "meaningful use" of the electronic health record.
		• A number of physician and/or ambulatory offices in CCCTI's service area expressed the cost effectiveness associated with utilizing certified medical assistants rather than registered nurses.
Cape Fear CC	Computer Technology Integration (A25500)	• Businesses in the service area of CFCC have indicated a need to hire graduates who are well versed in Information Technology. Letters and e-mails of support for the proposed program were submitted to CFCC from The City of Wilmington, UNCW, and Stepquest Inc.
		• The proposed CTI program will replace the existing Computer Information Technology (A25260) and Computer Engineering Technology (A40160) programs. Under the proposed CTI program, the college is planning to offer several stackable industry credentials, diplomas, and certifications in Cisco, Microsoft, CompTia, Information Assurance, and VMware.
		• There are no additional costs associated with the proposed program since computer labs are in place and instructors are currently teaching for CFCC.
		• In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment.
		• According to a CFCC student survey, 152 out of 608 current students expressed interest in the CTI program.
		• According to the NC 2010-2020 Occupational Employment Projections, the total average annual openings for computer specialists in NC is 3,270 positions during this time period.
		• According to a recent online job search in CFCC service area, there are close to 200 IT related jobs currently available. Most of those jobs are in Wilmington and within 50 miles radius.

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Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
March 21, 2014 (Continued)		
Lenoir Community CC	Sustainable Agriculture (A15410)	• The program will support the economic structure of the community and allow high school students, who may be first generation students, the opportunity to complete a two-year associate degree that can transition to a four-year university program. • The Jones County Commissioner submitted a letter of support for the program and noted the following: *Agriculture is the number one income producer in Jones County and we believe our local community college would benefit the area by offering education and workforce development opportunities in this program.* • Jones Senior High School has the highest Future Farmers of America membership of any club. A representative of Vocational programs at Jones Senior High School submitted a letter of support for the program and noted the following: *Many of our graduates come from farm families and are seeking a degree so they can return to manage their family farm operations.* • Survey results among local farmers in the area indicate that there are thirteen jobs available. The survey also indicated support for the program and the desire to hire qualified graduates. • Student interest surveys were administered to 253 high school students in the college's service area. One hundred and nine students indicated interest in the program. • Lenoir Community College will seek a 2 + 2 articulation agreement with NCSU once the program is approved. The County Extension Director at NCSU submitted a letter of support and noted the following: *Agricultural income makes up over 27% of the economic development in Lenoir, Green and Jones counties. Each of these three counties has an approved Farmland Preservation Plan, as well as established Voluntary Agricultural Districts, all which have been supported by local government, agricultural producers and citizens.* • The Director of the Jones County Economic Development Commission submitted a letter of support and noted the following: *The program is long overdue for our population. Jones County is primarily an agriculture-dependent county, and many of Lenoir Community College's students come from a long lineage of farmers.* • Graduates of the program should be able to pursue entrepreneurship opportunities related to a local farming operation. The College's JobLink Career Center provides career planning and job placement services to students, job seekers, and provides employers with a variety of employment and training services.
Mayland CC	Applied Engineering Technology (A40130)	• In its 2013 State Report, *Recovery: Job Growth and Education Requirements Through 2020,* Georgetown University Center on Education and the Workforce estimated a 9% job growth in the manufacturing sector in NC.

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March 21, 2014 (Continued)		
Mayland CC (Cont'd)	Applied Engineering Technology (A40130)	• New Buck Corporation, Banner Cabinets, Mountain Electronics, BPR, Inc., and Alten Industries responded to a MCC employment survey, and indicated that there would be a total of sixty positions available at these facilities over the following three years. • NC's Deputy Secretary of Commerce, Mr. Dale Carroll, spoke in support of the program at the groundbreaking ceremony for the college's Anspach Advanced Manufacturing School. He stated that *NC has seen the best two-year job gain in manufacturing since the 1990s and that companies now require highly skilled individuals for the manufacturing jobs of the future*. • MCC surveyed local businesses and industries within their service area and the results indicated that there would be sufficient student enrollment to support the program. • MCC received private financial support that has allowed the college to construct a new facility to house the Applied Engineering Technology program. Local employers (Altec Industries, BPR, Unimin Corporation, and Glen Raven Industries) also provided donations.
Robeson CC	Emergency Medical Science (A45340)	• An increasing aging population will have more medical conditions which will require an increase in health care professionals. • A survey completed by RCC determined Robeson County employers are projecting fifteen full-time, forty-two part-time, and one volunteer job openings in 2014, twenty-five full-time, forty-six part-time and ten volunteer openings in 2016, and twenty-two full-time, forty-nine part-time and twelve volunteer job openings in 2017. • A survey completed by RCC at the two largest high schools in Robeson County determined that one hundred and seventy-five high school students enrolled in allied health career classes were interested in the Emergency Medical Science (EMS) program. • In addition to the high schools, RCC surveyed current RCC students coded in allied health and current employees and volunteers in Robeson County EMS agencies to determine interest in the EMS program. Thirty allied health students are interested in enrolling in the proposed EMS program. Approximately, eighty EMS personnel currently employed or volunteering expressed interest in completing their AAS degree. • Letters of support for the program were submitted to RCC by local partners and employers which include: City of Lumberton Fire Department, Lumberton Rescue and Emergency Medical Services, Inc., Maxton Rescue Squad, Inc., Med1 Services, Pembroke Rescue Squad, Inc., Red Springs Rescue Squad, Robeson County Emergency Medical Services, Rowland Rescue Squad, Inc., St. Pauls Volunteer EMS, and Southeastern Regional Medical Center.

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Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
March 21, 2014 (Continued)		
Robeson CC (Cont'd)	Emergency Medical Science (A45340)	• Employers expressed an increased need for paramedics with the implementation of the Affordable Care Act. The Duke Endowment funded Southeastern Regional Medical Center and their EMS partners to initiate a Paramedic Partners Program. Locally, paramedics are being assigned to make home visits to patients recently discharged from the hospital. The paramedic follows-up with the patient to determine if they are adhering to their post-hospital care plan, taking prescribed medications, etc. The intent of the program is to decrease patient readmissions. A seventeen percent reduction of readmissions has been noted since the program began in February 2013. • RCC is interested in the EMS program being available as a Health Science: Therapeutic and Diagnostic Services pathway for their students. • RCC is one of six colleges in Alabama, North Carolina and South Carolina to implement BOOST: Better Occupational Outcomes with Simulation Training - New Pathways to Healthcare Careers. BOOST's short-term, stackable certificates will be replicated at all of the colleges in the consortium to demonstrate how a well-structured program for entry-level health-care workers guided by employers and infused with technology leads to higher credential completion and worker retention rates in a variety of socioeconomic or geographic locations. RCC intends on using EMS as one of their pathways. The college received $3,393,086 in the Trade Adjustment Assistance Community College and Career Training grant (TAACCCT).
Robeson CC	Medical Assisting (A45400)	• In 2011, the U.S. Department of Health and Human Services Task Force on Aging reported nationally seventy-seven million baby boomers would turn sixty-five years of age that year. They also projected by 2025 the number of Medicare recipients will reach 69.3 million and represent 20.6% of the U.S. population. • An increasing aging population will have more medical conditions which will require an increase in health care professionals. • According to the U.S. Bureau of Labor Statistics website, employment for medical assistants is expected to grow by thirty-one percent from 2010 to 2020. A major contributing factor to the growth is the implementation of the Affordable Care Act and impending medical coverage to several million previously uninsured individuals. Health care practitioners will have to hire more medical assistants to perform routine administrative and clinical duties to enable them to see more patients. • A survey completed by RCC determined Robeson County employers were projecting twenty-two job openings in 2014, forty openings in 2016 and forty-one job openings in 2017. • A survey completed by RCC at the two largest high schools in Robeson County determined that one hundred and ninety-six junior and senior high school students enrolled in allied health career classes were interested in the Medical Assistant program. • In addition to the high schools, RCC surveyed current RCC students coded in Medical Office Administration (A25310) and allied health to determine interest in the Medical Assistant program. Seventy of the eighty-six RCC students surveyed expressed interest in the program.

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Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
March 21, 2014 (Continued)		
Robeson CC (Cont'd)	Medical Assisting (A45400)	• Twelve current employees in Robeson County healthcare agencies are interested in completing their AAS degree in Medical Assisting. Most of these employees are already certified as a Nursing Assistant II. Completing an AAS degree would provide the opportunity for the graduates to move up in their workplace and earn a higher salary. • Letters of support for the program were submitted to RCC by local partners and employers which include: Cape Fear Podiatry Associates, Southeastern Health, and Southeastern Physician Services. • RCC is one of six colleges in Alabama, North Carolina and South Carolina to implement BOOST: Better Occupational Outcomes with Simulation Training - New Pathways to Healthcare Careers. BOOST's short-term, stackable certificates will be replicated at all of the colleges in the consortium to demonstrate how a well-structured program for entry-level health-care workers guided by employers and infused with technology leads to higher credential completion and worker retention rates in a variety of socioeconomic or geographic locations. RCC intends on using Medical Assisting as one of their pathways. The college received $3,393,086 in the Trade Adjustment Assistance Community College and Career Training grant.
South Piedmont CC	Cardiovascular Sonography (A45160)	• Currently, South Piedmont Community College offers Medical Sonography (A45440). Area sonographers and SPCC alumni have requested that SPCC expand course offerings to include cardiovascular sonography. Employers are requiring sonographers to be credentialed in multiple specialties including vascular and cardiac. This requirement comes from increased legislation tying reimbursement to credentialing. *(SDMS Newswave February 2012)* • Over the last eleven years, the Medical Sonography program at SPCC has graduated one hundred and fourteen students. Ninety-seven percent of their graduates obtained jobs within their field of study. • The U.S. Bureau of Labor Statistics projects the need for credentialed sonographers to grow by forty-four percent between 2010 and 2020. During this same time period, cardiovascular jobs are expected to grow by twenty-nine percent. • An electronic survey completed by SPCC determined that forty-one current sonography students and/or alumni were interested in this program. • In July 2013, SPCC identified the following job vacancies within the state: eighteen openings for echocardiography, twenty-eight openings for vascular sonography, three openings for pediatric cardiography, and five openings for fetal echo sonography. *(Indeed.com)*.

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April 25, 2014		
Mitchell CC	Agribusiness Technology (A15100)	• The proposed program is designed to prepare graduates with the entrepreneurial and technical skills necessary to manage small farms and agricultural businesses that support eastern NC.
		• Agriculture is the primary industry in Iredell. Agriculture provides 15% (over 12,000 people) of the jobs in Iredell County. Cash receipts from agriculture for Iredell County are approximately $127.5 million with $98.2 million generated from dairy, livestock, and poultry and $27.5 million generated from field crops, nursery, greenhouse, fruit and vegetables. (Iredell County Cooperative Extension).
		• Iredell County has 367,488 acres of total land and 138,416 acres of the total land is in farmland accounting for 37.7% of the land in the county. There are 1,201 farms in the county with the average size being 115 acres. (Iredell County Cooperative Extension).
		• Iredell County ranks first in the state for all cattle (beef and dairy), first for milk cows and number of dairies in the state, first for corn silage production, fifth for egg layers, fifth for hay production and sixth for beef cattle. (Extension Society, 2013).
		• Both of the public school systems in the County have a program of study in agriculture. One school in the county employs five full-time agriculture teachers and has over 500 students enrolled in agriculture courses.
		• A survey of high school students revealed a strong interest in attending Mitchell Community College in pursuit of an Agribusiness Technology degree. Of the 100 students surveyed at one high school, over 60% indicated an interest in continuing their education in the Agribusiness program.
		• A survey of local businesses (family farms or company farms) indicated a need in Iredell County for skill sets required to work in agriculture related industries. Fourteen employers, representing 5,292 employees, were surveyed and 50% reported difficulty in filling vacancies due to lack of either technical education or the quality of the applicant. Over 60% of these businesses stated that having a two-year degree in Agribusiness Technology would help students obtain an entry level position in agribusiness.
		• The Iredell Statesville School submitted a letter of support for the program and indicated that they currently employ twelve agriculture teachers in their high schools. They noted that the addition of the program will allow students in Iredell County to have expanded opportunities for additional career pathways.
		• The County Extension Director for the NC Cooperative Extension, Iredell County Center, provided a letter of support and stated that the proposed program *will provide tremendous support for the numerous agricultural related business and total agricultural industry in Iredell County.*
		• The college plans to lease new space in the northern part of Iredell County in order to provide additional space needed for the new program.

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Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
April 25, 2014 (Continued)		
Richmond CC	Mechatronics Engineering Technology (A40350)	• The U.S. Department of Labor Occupational Outlook Handbook reports 19% growth in industrial maintenance and mechanic positions for 2010-2020. • The Bureau of Labor Statistics projects 970 job openings in NC for individuals possessing skill sets associated with mechatronics technology for 2010-2020. • Local companies, including Cascades Tissue Group, F.C.C. Clutch Technology, Pilkington/NSG Glass, and Railroad Friction Products Corporation, submitted letters of support to RCC for the mechatronics program that included work-based learning and employment opportunities. • The *Workforce Needs Analysis & Strategic Plan for the NC Southeast Region* prepared by the Southeast Regional Economic Development Partnership for 2011-2016 estimates positive industry growth of 8-15% in the region for positions involving mechatronic skill sets. • Richmond CC surveyed industries within their service area and the results indicated that there is significant interest from incumbent employees to support the mechatronics program. • Students were surveyed to determine if they would be interested in enrolling in a mechatronics program. The responses indicated a 90% likelihood that they would enroll in the program.
South Piedmont CC	Cyber Crime Technology (A55210)	• Representatives from the Union County Sheriff's Office and the Monroe Police Department participated in the planning process for the program and provide suggestions and support. • Letters of support for the proposed program were submitted by the Union County Public Schools and The Assistant District Attorney of Union County (Twentieth Prosecutorial District). • The costs associated with starting the proposed program are $2,880 for the first year to cover adjunct faculty salaries. Additional courses will be taught by existing faculty members. • SPCC is part of the Advanced Cybersecurity Education Consortium (ACE), which received a four-year grant totaling $178,000. The ACE grant will be used to promote cyber security education in NC and to purchase any required cyber security software/hardware during the four-year period of the grant. • In addition to traditional job opportunities, it is noted that a career in CCT is especially suitable for self-employment. • According to a survey conducted by SPCC, 46 out of 127 local high school students expressed interest in the CCT program at South Piedmont Community College.

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Community College (CC)	Curriculum Title and Code	Rationale for Approval
April 25, 2014 (Continued)		
South Piedmont CC (Cont'd)	Cyber Crime Technology (A55210)	• According to The Bureau of Labor Statistics (BLS), the job outlook for private detective and investigators, which include cybercrime investigation, is projected to grow by 3,300 jobs between 2012 and 2022 in NC • According to a job survey conducted by SPCC in the service area of the college, there will be 23 anticipated Cyber Crime Technology related jobs by 2017. In addition, current law enforcement personnel will be attending classes at SPCC to pursue additional training in order to stay current with the latest trends of cyber crime technology.
Surry CC	Mechatronics Engineering Technology (A40350)	• Economic Modeling Specialty Incorporated (EMSI) forecasted an 11% increase in mechatronic jobs over the next ten years statewide. • There were over twenty-five engineering, industrial, and manufacturing technician help wanted ads listed on Craigslist over the past month in the north-central NC region for the types of jobs that require mechatronics skill sets. • The generic nature of the high-tech job competencies associated with mechatronics should allow program graduates to work in diverse industries within or outside their local community which is a great benefit for those residing in rural areas. • Incumbent workers from various industries within the college's service area, who enrolled in industrial courses at the college, indicated that it would be beneficial for them if the college were to include advanced manufacturing competencies such as those associated with mechatronics in a more advanced program of study. • The college currently offers a successful Industrial Systems Technology A50240 program which includes many of the fundamental courses that are required for a mechatronics program. The college believes it is necessary to transition to a mechatronics program to meet modern industry needs. Many of the additional courses are currently offered in other departments; therefore, faculty course loads and equipment requirements for offering Mechatronics Engineering Technology (A40350) will be kept to a minimum.
Wilkes CC	Computer Technology Integration (A25500)	• Businesses in the service area of WCC have indicated a need to hire graduates who are well versed in the various Information Technology (IT) areas. Letters of support for the proposed program were submitted by Wilkes Telecommunications, Skyline Corporation, Wilkes Chamber of Commerce, and Wilkes Economic Development Corporation. • The proposed CTI program contains three specialties that include computer information technology, networking technology, and game development. Several diplomas and certificates will be developed to meet the needs of the local industry and cover relevant IT industry certifications. • The proposed CTI program will replace the existing Computer Information Technology (A25260), Networking Technology (A25340), and Simulation and Game Development (A25450) programs.

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Wilkes CC (Cont'd)	Computer Technology Integration (A25500)	• There are no additional costs associated with the proposed program since computer labs are in place and instructors are currently teaching for Wilkes Community College. • In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment. • According to a survey conducted by Wilkes Community College, 42 out of 54 Wilkes Early High School students and current WCC students expressed interest in the proposed CTI program. • According to careerinfonet.org, employment trends show a 13 percent increase in jobs related to computer support, 24 percent for jobs related to network administration, and 18 percent increase for jobs related to web development in NC through 2020. • According to a recent job search conducted by WCC, there will be 31 IT related jobs in the WCC service area for year 2018.
May 16, 2014		
Caldwell Community College & TI	Computer Technology Integration (A25500)	• Businesses in the service area of CCC&TI have indicated a need to hire graduates who are well versed in the various Information Technology (IT) areas. Letters and e-mails of support for the proposed program were submitted by Samaritan's Purse, Alex Lee, Inc., Techsperts, and Bernhardt Furniture Company. • The proposed CTI program represents a reorganization of four current programs at CCC&TI. Programs include Computer Information Technology (A25260), Computer Programming (A25130), Networking Technology (A25340), and Web Technologies (A25390). In addition, the proposed CTI program will allow the college to offer a number of tracks and certificates tailored to local employers' skillset needs. • There are no additional costs associated with the proposed program since computer labs are in place and instructors are currently teaching for Caldwell Community College and Technical Institute. • In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment. • According to the NC Employment Security Commission's website, entry–level wages for Information Technology professionals in the college's service area ranged from $10 - $27 per hour. • According to a survey conducted by CCC&TI, 69 out of 99 current CCC&TI students expressed interest in enrolling the proposed CTI program. • According to the NC Department of Commerce, there will be an estimated 15,240 additional IT jobs in NC between 2010 and 2020. This includes 2,120 systems analyst positions; 450 in programming; 750 database administration jobs; 3,160 as application program developers; 1,830 network administrators; 1,920 information security analysts; and 2,980 computer support specialists.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
May 16, 2014 (Continued)		
Caldwell Community College & TI (Cont'd)	Computer Technology Integration (A25500)	• According to a job search conducted by CCC&TI on March 5, 2014, there are currently 128 networking and programing related jobs in the college's service area.
Central Piedmont CC	Emergency Medical Science (A45340)	• In 2010, to meet the needs of the growing and aging population of Mecklenburg County, CPCC entered into a partnership with Carolinas Healthcare System's Center for Prehospital Medicine (CPM) to provide paramedic training for Mecklenburg County's Emergency Medical Services provider (MEDIC). MEDIC employs over 500 EMTs/Paramedics. Since 2010, CPCC has offered paramedic training through Corporate and Continuing Education to meet MEDIC's employment needs. Entry into the training is competitive, well regarded by local employers, and currently enjoys a hundred percent employment rate for graduates. • In 2013, the college's Paramedic Advisory Committee (which includes members from MEDIC, Charlotte Fire Department, Carolinas HealthCare System, Novant Health and local elected officials) found that potential employers were actively seeking qualified EMTs/paramedics capable of advancing in their organizations. CPCC's paramedic and EMT training is sufficient to meet entry level requirements, but local employers, including MEDIC and the Charlotte Fire Department expressed interest in additional education to better prepare potential employees for more advanced positions, including training, supervisory and management positions within their organizations. • According to the Bureau of Labor Statistics (BLS), nationally the employment of EMTs and paramedics is projected to grow twenty-three percent from 2012 to 2022, a growth rate that is much faster than the average for all occupations. • The BLS projects the employment growth of EMTs and paramedics in NC (2010-2020) at thirty-one percent. This higher growth rate is impacted by the influx of people to the state and the increased life expectancy (with corresponding medical care) of the baby boomer generation. • According to the BLS (2012-2022), nationally the number of projected annual job openings for EMTs is 120,600, with an estimated 470 annual job openings in NC. In addition, the NC Employment Security Commission projects that in 2014, twelve of the top twenty occupations in NC, will be healthcare related, a category that includes EMTs and paramedics. • The region has been one of the fastest growing urban regions in the country, consistently ranked in the top 10 *(Forbes Magazine).* The Charlotte Chamber of Commerce estimates that growth is expected to continue at an average annual rate of 2.8% per year thru 2022. • The North Carolina metropolitan area of Charlotte-Gastonia-Concord was number ten in national rankings for fastest growing in the sixty-five and over population between 2000 and 2010. (*UNC Institute on Aging*).

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
May 16, 2014 (Continued)		
Central Piedmont CC (Cont'd)	Emergency Medical Science (A45340)	• According to UNC's Institute on Aging in 2011, thirty-five percent of the population in Mecklenburg County was sixty years of age or older. Data obtained from the NC State Data Center projected in 2025, forty-five percent of the county's population will be sixty years of age or older. This is a critical demographic for continued expansion of emergency medical and health related services.
Cleveland CC	Computer Technology Integration (A25500)	• Businesses in the service area of CCC have indicated a need to hire graduates who are well versed in the various Information Technology (IT) areas. Letters and e-mails of support for the proposed program were submitted by the Cleveland County Schools, Pharr Technologies, and Ultra. • The proposed CTI program contains five specialty tracks that include Information and Support, Networking, Security, Web Technologies and Database Management. In addition, CTI graduates will be prepared to take several IT certificates related to Cisco, Microsoft, and CompTIA. • The proposed CTI program will replace the existing Computer Information Technology (A25260), Information System Security (A25270), Networking Technology (A25340), and Web Technologies (A25290) programs. • There are no additional costs associated with the proposed program since computer labs are in place and instructors are currently teaching for Cleveland Community College. • In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment. • According to careerinfonet.org, employment trends show a 13 percent increase in jobs related to computer support, 24 percent for jobs related to network administration, and 18 percent increase for jobs related to web development in NC through 2020. • According to a recent job search conducted by CCC, there are 15 IT related jobs in the college's service area. In addition, AT&T is planning to hire 100 individuals for the new datacenter in Kings Mountain during 2014.
Durham Technical CC	Nursing Assistant (Certificate) (C45480)	• DTCC currently offers a state-approved Nurse Aide I program through continuing education. In 2012, their program graduated 170 students. In 2013-2014, they had 245 students enrolled in their NA programs. • It is estimated seventy to eighty percent of the hands-on assistance to individuals with long-term and personal assistance needs are provided by direct care workers. Direct care workers include the following: nursing aides, home health aides, and personal care aides. In the U.S., the direct-care workforce surpassed 3.3 million in 2010 and an additional 1.6 million new positions is projected by 2020. *(Paraprofessional Healthcare Institute, February 2013)* • The Bureau of Labor Statistics (BLS) predicts employment growth for nursing assistants of about twenty percent between 2010 and 2020, which is faster than average for all occupations. There should be more than 300,000 new positions for nursing aides, assistants, and orderlies by the close of this decade.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
May 16, 2014 (Continued)		
Durham Technical CC (Cont'd)	Nursing Assistant (Certificate) (C45480)	• Durham and Orange counties have an on-going need for nursing assistants. Duke University Health System (DUHS) is the largest employer in Durham County, and the UNC Health Care System in Chapel Hill is the second largest employer in Orange County. In addition, there are twenty-three Home Care Provider agencies and five Hospice agencies that are located within the two counties. All of these agencies employ nurse aides. • On January 17, 2014, a one-day survey of job openings in the area identified over forty-eight job openings. • The high schools in Durham and Orange counties are interested in the nursing assistant program being available as a Career and College Promise pathway for their students.
Gaston College	Healthcare Business Informatics (A25510)	• Businesses in the service area of GC have indicated a need to hire graduates who are well versed in the various Healthcare Business Informatics (HBI) areas. Letters of support for the proposed program were submitted by Gasto County Health Department, CaroMont Health, and Lincoln County Health Department. • The proposed HBI program prepares students to develop a framework for computer system analysis, networking technology, computer/network security, data-warehousing, archiving and retrieving of information in the healthcare industry. • There will be a need to hire a full-time faculty to teach the new program. Current faculty members will be teaching the additional courses under the proposed program. Computer labs are in place and equipped for the proposed program. • In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment. • According to a survey conducted by Gaston College, 238 out of 470 local high school students and Gaston College students expressed interest in the proposed HBI program. • According to *The Educational Portal on Salary and Career Info for Healthcare Informatics Professional* and *the 2009 US Bureau of Labor Statistics,* the average annual salary of healthcare informatics technicians was $33,880 per year. • According to *The Riley Guide*, which is an extensive online resource specific to job, career, and education seekers, the typical salary for the Charlotte-Gastonia-Rock Hill city/region is $33,840 per year. • According to a job search conducted on April 9, 2014 by Gaston College, there are currently eighteen Healthcare Business Informatics related jobs in the college's service area.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
May 16, 2014 (Continued)		
Randolph CC	Computer Technology Integration (A25500)	• Businesses in the service area of RCC have indicated a need to hire graduates who are well versed in Information Technology. Letters and e-mails of support for the proposed program were submitted to RCC by Randolph Hospital, ProNet, Randolph Bank & Trust, and J. C. Pole & Associates, Inc. • The proposed CTI program is designed to prepare students to sit for a number of industry certifications, including Cisco Certified Network Associate (CCNA), CompTIA (A+, Network +, Server +, Linux +, Security+), as well as Microsoft Certified Professional (MCP) and the System Security Certified Practitioner (SSCP). • There are no additional costs associated with the proposed program since computer labs are in place and instructors are currently teaching for Randolph Community College. • According to data obtained from the Economic Modeling Specialists International (EMSI) Regional Partnership Workforce Development Board for Randolph and surrounding counties for the period of 2009-2013, there were 60 annual job openings for Computer Support Specialist related positions; 32 annual openings for Network/Computer Administrator related positions; and annual openings for Information Security Analysts/Web Developers/Network Architects related positions. • The proposed CTI program will replace the existing Networking Technology (A25340) and Computer Information Technology (A25260) programs, along with seven local computer related diplomas and certificates. • In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment. • According to a survey conducted by Randolph Community College, 20 out of 90 current RCC students expressed interest in the proposed program.
Randolph CC	Facility Maintenance Technology (A50190)	• The college has experienced an increased demand for skilled trade instruction through their continuing education courses. The college notes that *maintenance and repairs continue even during economic fluctuations, and may even increase as people decide to repair, rather than replace equipment.* • The U.S. Bureau of Labor and Statistics estimates that employment of general maintenance and repair workers is expected to grow 11% between 2010 and 2020. • The U.S. Bureau of Labor and Statistics report that in 2010 the median pay for general maintenance and repair workers was $34,730 per year. • According to data obtained from the EMSI Regional Partnership Workforce Development Board for Randolph and surrounding counties, there were 96 annual job openings for maintenance and repair workers in 2013 • ERMC Operations submitted a letter of support for the program indicating that the company is in constant need of qualified candidates to fill positions within college's service area. The company notes that they *are in need of a labor force that can help maintain the buildings and infrastructures currently in place in the county.*

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
May 16, 2014 (Continued)		
Randolph CC (Cont'd)	Facility Maintenance Technology (A50190)	• The Director of Facilities Operations at Randolph Community College notes that *there is an aging population of talented individuals in the spectrum of building and maintenance.* She believes that the formation of the program is needed to fill a much needed gap in the job market for a skilled labor force that can help maintain the past and advance the community into the future. • The Archdale-Trinity Chamber of Commerce submitted a letter of support and indicated that they are supportive of the college's focus on job skills which focus *on the increased sophistication of traditional systems which are transforming maintenance needs.* • The College surveyed 48 students that are enrolled in continuing education courses that offer similar skills and 26 students (54%) indicated interest in enrollment in the curriculum program.
South Piedmont CC	Agribusiness Technology (A15100)	• The proposed program is designed to prepare graduates with the entrepreneurial and technical skills necessary to manage small farms and agricultural businesses that support southwestern NC. • NCSU data (2000) indicates that over 51% of total income in Anson County is derived from agricultural and agribusiness industries and over 23% of total income in Union County is derived from agricultural and agribusiness industries. • Farms comprise 44% of the acreage in Union County. *(Monroe-Union County Economic Development)* • Agriculture and agribusiness account for almost one-fifth of North Carolina's income and employees. This includes agriculture/food, fiber and forestry industries. *(NCSU)* • A study by NC State University has shown an increase of $5.4 billion in agriculture and agribusiness from 2010 to 2011. • According to Agriculture Commissioner, Steve Troxler, NC agricultural exports (2011) were a record $3.75 billion (a $500 million increase over 2010). The college feels that adding the program would position South Piedmont CC students to take advantage of the expected continued growth in agribusiness. • The NC Economic Development Board published the *NC Jobs Plan* in December of 2013. The plan includes recommended strategies for economic growth. One of the recommended strategies is education and workforce development specifically in areas such as agribusiness. • Third quarter 2011 data from the NC Office of State Budget and Management indicates that agriculture, natural resources and mining account for 1,041 jobs in Anson and Union counties with an average annual wage of $32,344. • Union county currently ranks as the third strongest agricultural economy in NC. Poultry production is the leading agricultural segment. In other commodities within NC, Union County ranks 1st in wheat; 6th in soybeans and 8th in corn.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
May 16, 2014 (Continued)		
South Piedmont CC (Cont'd)	Agribusiness Technology (A15100)	• According to the NC Department of Agriculture, the average age of farmers in Anson and Union counties is 57.6 and 58.9 respectively, as of 2007. With an aging agricultural workforce, new graduates will be important in sustaining and growing this important component of the economy in the college's service area. • The NC Cooperative Extension Service (Anson County Center) submitted a letter of support for the proposed program and stated that *agriculture figures greatly in the economic income of Anson and eastern Union counties. With an estimated 20% in the workforce working in some form of agriculture, be it part-time or full-time, this program would benefit many job candidates in the region.* • South Piedmont CC conducted a series of listening sessions in the community during August 2012 with the general public and on both campuses with faculty, staff, and students. Of the feedback received, the top findings (266 respondents) was a desire for South Piedmont CC to offer more programs and courses. One of the areas that was mentioned specifically, and frequently was agriculture. • The college surveyed 64 high school and current community college students participating in career exploration workshops. Nineteen (30%) of these students indicated an interest in pursuing the proposed program. • If approved for the proposed program, the college plans to provide a Career and College Promise program in Agribusiness Technology, which will provide a pathway into the associate in applied science program. • South Piedmont CC currently has classroom capacity to accommodate an Agribusiness Technology program at the Polkton campus.
July 18, 2014		
Asheville-Buncombe Technical CC	Central Sterile Processing (Certificate) (C45180)	• A-B Tech currently has a strong Surgical Technology program. Since 2009, almost one hundred percent of the graduates have passed the certification exam. The addition of the Central Sterile Processing program will enhance the services the college provides the community related to this profession. • According to Economic Modeling Specialists International (EMSI), for Buncombe and Madison counties, jobs in the field of Medical Equipment Prepares are predicted to rise by twenty percent from 2014 to 2023. The median earnings for individuals in this field is $14.05 per hour. • The Mission Hospital Healthcare System and the Charles George Veterans Administration Medical Center have both requested the college offer this program. Mission Hospital in Buncombe County employs fifty-six staff in this role and the VA Hospital employs twenty-two staff. Personnel in these departments have received on-the- job-training and are not formally educated in the care and handling, disinfection, assembly, inspection, or sterilization of surgical instrumentation. The college will train current and prospective employees. • The college plans to offer the Central Sterile Processing classes in the same facilities available to the Surgical Technology students, and in many cases share faculty. The program may be added with limited additional costs to the college.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 **(Continued)**		
Brunswick CC	Marine Biotechnology (A20170)	• BCC has offered Aquaculture for the past twenty years, and offered Biotechnology for the past seven years. Marine Biotechnology is a program BCC can offer with existing infrastructure and the incorporation of additional equipment that will enhance all three programs.
		• The Bureau of Labor Statistics projects a ten percent increase in the number of jobs for biological technicians to 88,300 by 2020. Continued growth in biotechnology and medical research is expected to increase the demand for these workers. The annual average salary is $39,750 or $19.11 per hour. *(Bureau of Labor Statistics, 2014)*
		• BCC has a strong partner relationship with UNC Wilmington's marine biotechnology professors that work with them thorough out the year. This partnership provides student access to equipment not present on BCC's campus, while giving them additional exposure to procedures and instrumentation used within the industry.
		• BCC's Biotechnology program has developed strong partnerships with several small biotech companies located within Brunswick County such as; Cygnus Technologies, Glycotech, and Carolina Algae. These three companies has shown a great interest in the development of the Marine Biotechnology program.
		• BCC has developed partnerships with UNC Wilmington Center for Marine Science (now Crest Research Park) and UNC Pembroke Sartorius-Stedim Biotechnology Laboratory. This partnership has been strengthened thorough joint grant projects, technology transfer, training opportunities for faculty and students.
		• Historically, the biotechnology industry has needed intellectual talent at the master's degree and doctoral levels, but the growth of the industry has caused a shift in the types of workers needed to fill critical skill gaps. *(www.biotechinstitute.org)*
		• Sixty-seven percent of biotech jobs only require a two year degree. *(NCBC Career Pathways publication, 2006)*
		• The Executive Director for the Brunswick County Economic Development Commission, provided a letter of support and stated that the proposed program *will train a work force that will potentially fill a gap and need in the county and Wilmington region as the marine biotechnology industry emerges in southeastern NC. Brunswick County and the region has the basis to become a strong marine biotechnology hub and the proposed program would be an asset to attract potential businesses to Brunswick County.*
		• The President/CEO for Marine Bio-Technologies Center of Innovation provided a letter of support and stated that the proposed program *is critical to providing a skilled workforce enabling the translation of research into products and services, thereby stimulating economic development. North Carolina's rich Atlantic coast provides many opportunities to develop marine biotechnology applications that translate to new food, fuel and health products that may benefit society, the environment, industry and agriculture.*

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 (Continued)		
Brunswick CC (Cont'd)	Marine Biotechnology (A20170)	• The Executive Director for the NC Biotechnology Center, Southeastern Office, provided a letter of support and stated that the proposed program *fits well as the next step for workforce development to support the work that the NC Biotech Center Southeastern Office and partners have undertaken to build the marine biotechnology cluster in NC.* • The President for Cygnus Technologies, provided a letter of support and stated *in the past Cygnus has offered internships for two community college students matriculated in the BCC Biotechnology program and would most certainly consider intern and job applicants coming out of this new Marine program.*
Caldwell CC and TI	Hospitality Management (A25110)	• Members of the CCC&TI Watauga Advisory Committee and the CCC&TI Business Programs Advisory Committee requested that the college consider training students for employment in the local tourism industry. • The Hospitality Management program would support the strategic focus of the Caldwell Chamber of Commerce to promote tourism assets in the county. The Chamber believes that *tourism is an important part of the economy and economic development in Caldwell County (http:/thechambermatters.com).* • The Watauga County Economic Development Commission echoes the need for programs that support tourism in the area. *(www.wataugaedc.org).* • In 2012, more than 330 jobs in Caldwell County were directly attributable to travel and tourism. Travel generated a 6.72 million payroll in Caldwell County in 2012 (*NC Department of Commerce).* • In 2012, more than 2,490 jobs in Watauga County were directly attributable to travel and tourism. Travel generated a $44.71 million payroll in Watauga County in 2012 *(NC Department of Commerce).* • Area travel and tourism attractions in Caldwell and Watauga Counties include: Broyhill Civic Center, For Defiance in Lenoir, the Pisgah National Forest, the Tuttle Educational Forest, attractions on the Blue Ridge Parkway – Horn in the West outdoor drama, Hickory Ridge Homestead, Mast General Store, Beech Mountain Resort, Mystery Hill, museums devoted to Appalachian culture and heritage, Blowing Rock, Tweetsie Railroad, and Appalachian Ski Mountain. • The annual salary level for management occupations in the tourism industry ranges from approximately $30,000 to $65,000 *(Occupational Employment Statistics Handbook, U.S. Department of Labor).* • The General Manager Blowing Rock Country Club indicated *this program will alleviate issues associated with specific training and selection processes vital for successful operations.* • The Human Resource Manager at Chetola Resort stated *the training that graduates of the Hospitality Management Program receive will yield a qualified candidate pool.*

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 (Continued)		
Caldwell CC and TI (Cont'd)	Hospitality Management (A25110)	• The General Manager for The Courtyard by Marriott stated *the tourism industry in our area is a 'job-ready field' with tremendous opportunities for those graduates seeking successful careers in hospitality management.* • The Public Relations Manager at Tweetsie Railroad indicated *implementing the Hospitality Management Program will tremendously assist with recruiting efforts as demand for our services continues to grow.* • Local employers indicated need in basically four areas: customer service (front office, sales, reservations, etc.); food and beverage (including event planning and conferencing); maintenance and landscaping; and housekeeping. Employers indicated that graduates who have a genuine interest in pursuing careers in the tourism industry can secure management trainee positions within two-three years of service. Most employers cross-train new hires and interns within the three main areas of customer service, food and beverage, and housekeeping. *(Employer interviews conducted by CCC&TI).*
Cape Fear CC	Cardiovascular Sonography (A45160)	• Currently, CFCC offers Medical Sonography (A45440). Local employers have identified the need for sonographers to be credentialed in vascular and cardiac sonography to meet the aging "baby boomers" in the area. • Cardiovascular Technologists are considered to be one of the top fifty fastest growing occupations. Estimates show a potential growth of over 5,000 new jobs across the U.S. in the next four years. (*careerbuildercommunications.com*) • The U.S. Bureau of Labor Statistics projects the need for credentialed sonographers to grow by forty-four percent between 2010 and 2020. During this same time period, cardiovascular jobs are expected to grow by twenty-nine percent. • The Department of Commerce, NC Labor and Economic Analysis: Employment Outlook anticipates a forty-three percent increase in jobs for diagnostic medical sonographers. • In November 2013, CFCC identified over five hundred cardiovascular/echocardiography employment opportunities nationwide through one online search. (*echocardiographer.net*) • New Hanover Regional Medical Center, within the next two years, will expand their cardiology services in the area. • The Cardiovascular Sonography program will augment the current Medical Sonography program and will be able to share equipment and space. Additional program costs will include a sonography instructor certified in echocardiography and $78,000 for an echo-imaging system and software. • Letters of support for the program were submitted to CFCC by local physicians.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 (Continued)		
Cape Fear	Emergency Medical Science (A45340)	• CFCC currently offers Emergency Medical Science (EMS) through their continuing education program. The current EMS program assists in training personnel for New Hanover Regional EMS (NHREMS) and Pender EMS and Fire (PEMS), Ogden-New Hanover Volunteer EMS, Union Rescue Squad, and First Med Carolinas, as well as most fire department personnel in New Hanover and Pender counties. • The annual emergency medical services responses/trips for New Hanover and Pender counties are 66,279. • According to the Bureau of Labor Statistics (BLS), nationally the employment of EMTs and paramedics is projected to grow twenty-three percent from 2012 to 2022, a growth rate that is much faster than the average for all occupations. • The BLS projects the employment growth of EMTs and paramedics in NC (2010-2020) at thirty-one percent. This higher growth rate is impacted by the influx of people to the state and the increased life expectancy (with corresponding medical care) of the baby boomer generation. • Employers have expressed an increased need for paramedics with the implementation of the Affordable Care Act. NHREMS is implementing a Community Paramedic program to assist in maintaining and improving the public health. These Paramedics will be expected to possess an above average knowledge of care and the health system as they function as intermediary care providers in addition to traditional EMS practice. • EMS representatives expressed a strong need for the Associate Degree in EMS. Currently, both NHREMS and PEMS offer percentage increases to starting salaries for holding a degree. In addition, NHREMS is in the process of implementing a new rank structure. In order for personnel to progress within the system a degree will be required. • NHRMC and Cape Fear Hospital currently utilize ten full-time paramedics as primary care givers in the emergency department. • Letters of support for the program were submitted to CFCC by New Hanover Regional Medical Center EMS and Pender EMS & Fire, INC. • Since CFCC currently operates an EMS program thorough continuing education the plan is to share classroom/lab space and equipment. There will be an annual cost to maintain, upgrade or replace equipment and maintain adequate supplies. Over the past three years, this cost has averaged $48,000.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 (Continued)		
College of The Albemarle	Computer Technology Integration (A25500)	• Businesses in the service area of COA have indicated a need to hire graduate who are well versed in the various Information Technology (IT) areas. Letter of support for the proposed program were submitted by the Perquimans County Schools, Currituck County Department of Social Services, Banker Insurance LLC, and Hornthal, Riley, Ellis & Maland, LLP. • The proposed CTI program contains five specialty tracks that include Computer Programing, Computer Electronics, Office Administration, and Information Technology. In addition, CTI graduates will be prepared to take several IT related certificates. • The proposed CTI program will replace the existing Computer Information Technology (A25260), Computer Programing (A25130), Computer Engineering Technology (A40160), and Office Administration (A25370) programs. • There are no additional costs associated with the proposed program since computer labs are in place and instructors are currently teaching for College of The Albemarle. • In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment. • According to a survey conducted by requesting college, 70 high school students and current COA students enrolled in curriculum level IT courses have expressed interest in taking courses within the proposed CTI program. • According to careerinfonet.org, employment trends show a 13 percent increase in jobs related to computer support, 24 percent for jobs related to network administration, and 18 percent increase for jobs related to web development in NC through 2020.
Rowan-Cabarrus CC	Advertising and Graphic Design (A30100)	• Rowan-Cabarrus CC conducted a student survey to determine interest in the proposed program. A total of 187 students out of 480 high school students in Rowan and Cabarrus counties expressed interest in the program. • Data for the college's service area indicated that there were 154 graphic designer jobs available in 2010 and 223 jobs in 2011 constituting a 45% increase. *(Creative Vitality TM Index Occupational Data).* • The college plans to pursue bilateral agreements with three senior institutions (UNC Greensboro, UNC Charlotte and Western Carolina) if they receive approval for the program. • The US Department of Labor indicates a growth rate of 13% for graphic designers with a mean annual wage of $48,730. • The Mayor of Concord submitted a letter of support for the proposed program and indicated that; *Economic Development is one of the top priorities for the City Council and adding a degree in Advertising and Graphic Design would help fulfill the need for trained workers entering the growing creative industries market.*

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 (Continued)		
Rowan-Cabarrus CC (Cont'd)	Advertising and Graphic Design (A30100)	• A local business owner (Fine Frame Gallery in Salisbury) indicated that the degree *would help create a job pool of regional designers and graphic artists to help businesses in our area.* • There are freelance opportunities for graduates of the program. The college's Small Business Center staff will assist graduates and employers in connecting for freelance opportunities. • The graphic designer for the Salisbury Post indicated that *in a market that is increasingly based on online and digital marketing and advertising, web design skills and social media are more important than ever.*
Rowan-Cabarrus CC	Nursing Assistant (Certificate) (C45480)	• RCCC currently offers a state-approved Nurse Aide I program through continuing education. Currently, they offer approximately thirty-six NA I classes each year serving over four hundred students. • Personal care aides and home health aides are projected to be the fastest-growing occupations in the country between 2010 and 2020, increasing seventy-one percent and sixty-nine percent, respectively. Nursing aides, orderlies and attendants are expected to increase by twenty percent. *(Paraprofessional Healthcare Institute, February 2013)* • It is estimated seventy to eighty percent of the hands-on assistance to individuals with long-term and personal assistance needs are provided by direct care workers. Direct care workers include the following: nursing aides, home health aides, and personal care aides. In the U.S., the direct-care workforce surpassed 3.3 million in 2010 and an additional 1.6 million new positions is projected by 2020. *(Paraprofessional Healthcare Institute, February 2013)* • The NC Long-Term Occupational Projections for 2006-2016 ranked hospitals and nursing/residential care facilities as top industries with growing employment. As a state, they estimate we have 6,500 nurse aide vacancies annually. • According to the Office of State Budget and Management the population of individuals sixty-five and older is projected to increase by forty-eight percent in Cabarrus County and by thirty-four percent n Rowan County by the year 2018. • On March 17, 2014, an advisory meeting was held with local employers to discuss employment needs and opportunities existing in the local job market. Employers expressed significant interest in the program. • Letters of support for the program were submitted to RCCC by local employers which include: Autumn Care of Salisbury, Genesis Healthcare of Salisbury, Gentiva, Novant Health Rowan Medical Center, Carolinas Medical Center-NorthEast, and Trinity Oaks Rehabilitation. • The high schools in Rowan and Cabarrus counties are interested in the nursing assistant program being available as a Career and College Promise pathway for their students.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 (Continued)		
South Piedmont CC	Baking and Pastry Arts (A55130)	• The N.C. Department of Commerce, Labor, and Economic Analysis Division reported 5,040 culinary related occupations predicted for NC for the years of 2010-2020. • The Centralina Workforce Development Board reported 390 annual openings in food preparation and serving workers in the service area for 2010-2020. • A job search in Anson and Union Counties during the week of March 25-April 1, 2014, indicated 5 jobs were available in the baking and pastry arts field. • The 2012 median pay for bakers was reported to be $23,140 per year/$11.13 per hour *(The Department of Labor Occupational Outlook Handbook 2012-2022).* • A degree in Baking and Pastry Arts opens self-employment opportunities in the field. • The Baking and Pastry Arts program will share a teaching kitchen and baking kitchen with the Culinary Arts program. The college has adequate space for the classroom and kitchen. • Anson County Chamber of Commerce provided a letter of support and stated *this program would support the businesses and the community as a whole.* • The Small Business Center staff at SPCC indicated that they are ready to support new baking and pastry and culinary graduates start their own business. • The Union County Chamber of Commerce provided a letter of support and indicated *this program would have a positive impact on the local economy.* • Union County Public Schools provided a letter of support expressing interest in the program. They plan to offer the Baking and Pastry Arts program as a CTE pathway for our students. • The Project Director for Waxhaw Entrepreneurs Small Business Incubator provided a letter of support and stated *Waxhaw is a growing community and many new restaurants are coming into town that would support student from this type of program.*

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 (Continued)		
South Piedmont CC	Culinary Arts (A55150)	• The NC Department of Commerce, Labor, and Economic Analysis Division reported 5,040 culinary related occupations predicted for NC for the years of 2010-2020.
		• The Centralina Workforce Development Board (which includes Anson and Union Counties) reported 390 annual openings in food preparation and serving workers in the service area for 2010-2020.
		• A job search in Anson and Union Counties during the week of March 25-April 1, 2014, indicated 12 jobs were available in the culinary arts field.
		• The 2012 median pay for chefs/head cooks was reported to be $42,480 per year/$20.42 per hour. The median pay for cooks was reported to be $20,550 per year/$9.88 per hour *(The Department of Labor Occupational Outlook Handbook 2012-2022).*
		• The 2012 median pay for foodservice managers was reported to be $47,960 per year/$23.06 per hour, while the median pay for food preparation workers was reported to be $19,300 per year/$9.28 per hour. *(The Department of Labor Occupational Outlook Handbook 2012-2022).*
		• The Culinary Arts program will share a teaching kitchen and baking kitchen with the Baking and Pastry Arts program. The college has adequate space for the classroom and kitchen.
		• The Anson County Chamber of Commerce provided a letter of support and stated that *this program would support the businesses and the community as a whole.*
		• The President of Great American Appetizers East provided a letter of support and indicated *the company would welcome the opportunity to work with both interns and graduates who have been trained in culinary and food science.*
		• The Small Business Center staff at SPCC indicated that they are ready to support new culinary graduates start their own business. They offer NC REAL, which is a six-week program which takes students from having no plan and walks them through the accounting, marketing, development, competition, financial ratios, and analysis to ultimately developing their business plans.
		• The Union County Chamber of Commerce provided a letter of support and indicated *this program would have a positive impact on the local economy.*
		• Union County Public Schools provided a letter of support expressing interest in the program. They plan to offer the Culinary Arts programs as a CTE pathway for their students.
		• The Project Director for Waxhaw Entrepreneurs Small Business Incubator provided a letter of support and stated *Waxhaw is a growing community and many new restaurants are coming into town that would support student from this type of program.*

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 **(Continued)**		
Southwestern CC	Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) (D45200)	• SCC currently offers the Radiography program. Radiography graduates have traditionally received on-the-job-training (OTJ) to become CT and MRI technicians. Due to restrictions in work time, most health care facilities served by SCC are no longer providing adequate opportunities for OTJ for either modality. All facilities will discontinue OTJ for CT and MRI by January 2016. In 2016, the American Registry of Radiologic Technologists will require sixteen hours of structured education in CT and/or MRI for students to sit for the registry exam. • The SCC CT/MRI advisory committee composed of local medical facility employers noted they give hiring preference to radiography technicians that have received cross training in either MRI, CT or both as a cost saving measure. • The U.S. Bureau of Labor Statistics ranks the job outlook for Radiologic (including certified Computed Tomographers) and MRI Technologists as having faster than average growth through 2022. MRI Technologists occupations are forecasted to have twenty-four percent growth during that period with Radiologic Technologist having a twenty-one percent growth rate. • The CT & MRI program will share instructional and lab space with the Radiography program. The program can operate with part-time faculty until class enrollment would support a full-time position.
Southwestern CC	Mechatronics Engineering Technology (A40350)	• The college has secured a $900,000 Golden Leaf Grant that has been utilized to purchase mechatronics training equipment and also to employ a STEM coordinator who will be stationed in Swain County Schools for outreach and education of students and parents in support of the program. • According to the NC Department of Commerce Statewide Occupational Projections 2010-2020, employment of Electro-Mechanical Technicians is expected to increase 17%. • The college surveyed Caterpillar, ConMet, Duotech, Franklin Tubular, Homtex, Jackson Paper, TekTone, and Shaw Industries on skilled workforce needs. Over the upcoming five year time period, the companies estimated 111 new jobs, 215 replacement jobs, and the need for training that will be required for 350 incumbent employees. • A recent 2013 study submitted by the NC Rural Economic Development Center indicates a growing trend in manufacturing jobs in the region for individuals possessing strong skillsets in specific manufacturing industries such as medical supply, chemical products, aviation and aerospace, and metal fabrication. • A representative from ConMet, a manufacturing company located in Swain County, indicated that they are forced to contract with out-of-state companies to maintain their equipment because of the lack of locally trained talent.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 (Continued)		
Southwestern CC (Cont'd)	Mechatronics Engineering Technology (A40350)	• In April the college initiated recruitment activities during their first Advanced Manufacturing Day that was attended by more than 200 students who toured the mechatronics facility and expressed positive interest in the program. A pre-apprenticeship program has also been implemented through the NC Department of Commerce that local high school students have already signed onto. Four mechatronics scholarships will be offered by a local manufacturer for traditional college age students who enroll in the program. The college has worked diligently promoting the proposed program and has had no difficulty attracting students to it. • Swain County has donated space at its Regional Business Education Training Center for mechatronics classrooms and laboratories.
Tri-County CC	Hospitality Management (A25110)	• Workforce needs for the service area are projected based on the growing leisure and hospitality sector across the state, as well as the decision of the Eastern Band of Cherokee Indians to build a resort/casino in Murphy, NC. This $110 million project will be the largest employer in the College's service area. • Community interest in hospitality programs has been strong. Local hospitality employers expressed a need to recruit individuals who saw the field as a career option and not just a short-term employment. • According to the NC Department of Commerce, from August 2012 to August 2013, job growth in the sector of Leisure and Hospitality Services was 18.7%. Local governments and economic development agencies have identified the sector as being critical to local and regional economic growth. • The Cherokee County Economic Development Commission expressed support of this program and stated, *By offering a Hospitality program of study, Tri-County Community College will in turn create the skilled workforce needed for the service industry to flourish.* • Harrah's projects that the Resort Casino will create 900 new jobs with an average hourly rate of $12.95 and an average salaried rate of $50,295. The current estimate by Harrah's is that 70% of the jobs will be "front of house" jobs divided between hospitality and culinary positions. • The Tennessee Valley Authority (TVA) estimates that the multiplier effect for casino job creation is 1.66, which will result in a total of 1,494 new jobs (95% in the hospitality field). This could effectively reduce the regional unemployment rate from 10.1% to less than 2%, given a properly trained and educated local workforce. • A survey was conducted in spring 2013 of local high school students as well as a general website-based survey. Of 211 high school students surveyed, 23 indicated interest in the program. Of 33 online survey responses, 23 indicated interest in the program. • The anticipated enrollment in the Hospitality Management program will be 20 new full time students per year, starting in Fall Semester 2014.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 (Continued)		
Tri-County CC (Cont'd)	Hospitality Management (A25110)	• The Tribal Casino Gaming Enterprise provided a letter of support and stated that *offering this program will ensure interested community members are fully prepared to secure employment and progress more rapidly into leadership roles in our organization.* • The Cherokee County Economic Development Commission provided a letter of support and indicated *this program is especially important for the future growth of Cherokee County.* • The Clay County Economic Development Commission provided a letter of support and stated *by offering the Hospitality program of study, Tri-County Community College will in turn create the skilled workforce needed for the service industry to flourish.* • The Graham County Economic Development Commission provided a letter of support and stated that *having a workforce that is skilled in hospitality management will encourage the creation of new businesses and ensure the continued economic growth and success of our area.* • The Fontana Village Resort provided a letter of support and indicated *this program is vital to the economic growth of Cherokee County.*
Wake Technical CC	Collision Repair and Refinishing Technology (A60130)	• Department of Labor statistics indicate that collision repair jobs in Wake County have continued to rise steadily along with rising population and registered vehicles in the area with an increase of over 8% per year for the last three years (WakeGOV) resulting in the county surpassing the one million residents mark. Job estimates in collision repair for the county are just over 400 positions. • Wake County Government, Wake Technical Community College, and Wake County Public Schools have worked collaboratively to establish the Vernon Malone College and Career Academy for dually-enrolled high school students. The newly renovated facility contains modern classrooms and equipment that was paid for by the partnership. FTE generated by the collision repair program will be used to support the program. The facility will be open for classes beginning with the Fall 2014 semester. • Local collision repair companies including Reliable Collision Repair, Coats Autobody, Haddock Collision, and Bobby Murray Collision service repair facilities estimate that there will be approximately 130 positions available at their facilities over the next few years. • WTCC has worked with Wake County Public School System on actively recruiting for the program and have enough students interested in the program to fill a class. For the first year, the CTE High School will enroll only 11th grade students and will also make evening courses available to adults. The college surveyed local area high schools and have determined that they have sufficient student interest to fill the first-year cohort with 18 students. • In addition to traditional job opportunities, it is noted that a career in collision repair and refinishing is especially suitable for self-employment.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2014 **(Continued)**		
Wake Technical CC	Heavy Equipment Operator (Diploma) (D35240)	• NC Department of Commerce data indicates that companies in the Wake County area hired over 3,000 heavy equipment operators in 2012. This trend is expected to continue. • The Department of Labor Bureau of Labor Statistics indicates job growth in the excavation operator industry at 23% through 2020. • Wake County Government, Wake Technical Community College, and Wake County Public Schools have worked collaboratively to establish the Vernon Malone College and Career Academy for dually-enrolled high school students. The newly renovated facility contains modern classrooms and equipment that was paid for by the partnership. FTE generated by the Heavy Equipment Operator program will be used to support the program. • Letters of support along with offers to loan additional heavy equipment have been submitted to the college by John Deere, Caterpillar, RW Moore, Linder, and Gregory Poole Equipment. • WTCC will offer the operator training primarily through simulator training in conjunction with performing required equipment maintenance competencies on traditional equipment through the college's existing Construction Equipment Systems Technology program. In addition to simulated training, WTCC has established heavy equipment operator work-based learning (WBL) opportunities with employers including internships for students through the NC Department of Labor. • WTCC surveyed currently enrolled WTCC students regarding their potential interest in enrolling in a heavy equipment operator program. 30 students indicated interest in enrolling full-time in the program and 15 students indicated interest in enrolling part-time. • In addition to traditional job opportunities, it is noted that a career in heavy equipment operation is especially suitable for self-employment.
Wilkes CC	Applied Animal Science Technology (A15280)	• The declining trend in the number of manufacturing industries in the service area has brought agriculture to the forefront of sustainable programs, with animal science as a focus. • In 2007, the Census of Agriculture data reported for Wilkes, Ashe and Alleghany counties indicated the average age of farmers as 57.4 years. The college feels that the need for developing the workforce for animal science is pertinent to maintain and support the industry. • If the proposed program is approved, the college plans to develop a Career and College Promise program which would provide a career pathway for high school students interested in animal science. • A student interest survey indicated that forty-one area high school juniors and thirty-seven high school seniors indicated that they would be likely to enroll in the program full-time if it was available at the college. • The college plans to provide the program through a combination of classroom instruction (including hybrid and/or online instruction) paired with lab and onsite field experience in partnership with NC State University's Cooperative Extension Service, regional farmers, and Tyson Foods.

Community College (CC)	Curriculum Title and Code	Rationale for Approval
Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		

July 18, 2014   (Continued)

Community College (CC)	Curriculum Title and Code	Rationale for Approval
Wilkes CC (Cont'd)	Applied Animal Science Technology (A15280)	• The NC Department of Agricultural Statistics ranks Wilkes County as the 7th highest in farm cash receipts for 2012 in NC, totaling over $303 million. Specifically, this data also reports the Wilkes County as the 2nd in farm cash receipts ($72,000) NC for Broilers Produced; 3rd ($31,000) in NC for cattle. In addition, Ashe County is 15th highest in farm cash receipts ($16,400) for NC for cattle and Alleghany County is 9th highest in farm cash receipts ($22,000) in farm cash receipts for cattle in NC. • The Wilkes Chamber of Commerce provided a letter of support and indicated that the economy of Wilkes County has a dominant agriculture sector, representing 8.5% of the total county earnings. They also stated that the implementation of the animal science program will support and help sustain Wilkes County farms and the overall agriculture economy. • The Wilkes Economic Development Corporation provided a letter of support and indicated that the program, addresses the immediate needs as well as promote sustainability and growth to this vital area of the economy. • A local owner of breeder farms, broiler farms and registered angus cattle producer noted that getting talent has been especially difficult for a high tech business and believes that the program is long overdue. • The owner of the local livestock exchange market provided a letter of support for the program and indicated that offering the program to the community will greatly increase the interest and success in animal agriculture.

August 15, 2014

Community College (CC)	Curriculum Title and Code	Rationale for Approval
Guilford Technical CC	Aerostructure Manufacturing and Repair Technology (A50450)	• GTCC is one of five U.S. colleges working collaboratively with the National Aviation Consortium (NAC) on a $14.9 million project funded by the U.S. Department of Labor to develop industry-standard aviation manufacturing training curricula and to offer a short-term training program that delivers the critical knowledge needed for entry-level aviation occupations. • According to the Aviation Triad, an aviation collaborative which was established by the Greensboro Chamber of Commerce, the Triad is estimated to have more than 6,000 employees working for 40+ aerospace and aviation-related industries. • The U.S. Bureau of Labor Statistics predicts 6% growth for aviation mechanics and technicians through 2020 with average wages of $53,000 annually. • GTCC currently offers a very successful continuing education aviation program that is fully equipped and can readily transition into a curriculum program. The college plans to hire an additional instructor to support the aerostructure program. • GTCC is currently approved for Aviation Electronics (Avionics) Technology (A60150), Aviation Management and Career Pilot Technology (A60180), and Aviation Systems Technology (A60200). • Aviation is one of the Economic Development Clusters in the college's service area and in that regard the college has worked collaboratively with their local Workforce Development Board to provide education and training support for the aviation industry sector.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
August 15, 2014 (Continued)		
Guilford Technical CC (Cont'd)	Aerostructure Manufacturing and Repair Technology (A50450)	• The Cemela Foundation, a private philanthropic organization, gifted GTCC $932,500 in 2013 for the expansion of its aviation program. • Local employer, Honda Jet, has received $948,912 in Customized Training Project allocations which is expected to yield 512 new hires. • Student interest in the program is very good. Over 1,000 applicants responded to an advertisement for the non-credit version of this program through the college's local Workforce Development Board. Early data indicates that 103 students have enrolled in the course modules this year. • GTCC provided content matter expertise during the original development of the Aerostructure Manufacturing and Repair Technology program by working collaboratively with Lenoir Community College, who successfully offers the program, along with other industry and education subject experts.
September 19, 2014		
Randolph CC	Human Services Technology (A45380)	• An increasing aging population will have more medical conditions which will require an increase in health care professionals. In 2012, Randolph County had more residents younger than seventeen than the number of residents over the age of sixty. In 2025, it is projected that they will have more residents older than sixty than the number of residents younger than seventeen. • Employment of social and human service assistants is anticipated to grow by twenty-eight percent between 2012-2020. Growth will be due to an increase in the elderly population and a rising demand for health care and social services. *(U.S. Bureau of Labor Statistics Occupational Outlook Handbook)* • According to data obtained from the Economic Modeling Specialists International (EMSI) Regional Partnership Workforce Development Board for Randolph and surrounding counties in 2013, there were 841 jobs for Social and Human Service Assistants and in 2017 they project 922 jobs. In addition, the report indicated there were 8,210 of these jobs across the state in 2013 and a projection of 8,998 jobs for 2017. • Letters of support for the program were submitted to RCC by the Randolph County Manager, Randolph Hospital, Randolph County Economic Development Corporation, the Sandhills Center, NC Mentor Program and Therapeutic Alternatives. • The letter of support from the Randolph County Economic Development Corporation notes, *this program is well aligned with job growth prospects in our area in the health care and human resource sectors from existing employers such as Randolph Hospital and Therapeutic Alternatives. That area has seen more new job creation than any other sector over the last eight to ten years.* • House Bill 981 (2013) proposes the construction of a new Mental Health/Developmental Disabilities/ Substance Abuse Region and Psychiatric hospital for the south/central region of the state. In April, the Randolph County Commissioners met and the county manager made the recommendation that the proposed psychiatric hospital be built in Randolph County. The county has created a task force to advocate for the placement of the hospital in Randolph County.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
September 19, 2014		
Randolph CC (Cont'd)	Human Services Technology (A45380)	• According to a survey conducted by Randolph Community College, seventy-one high school students expressed interest in the proposed program. RCC is interested in offering the Human Services Technology program as a Career and College Promise pathway.
Rowan Cabarrus CC	Occupational Therapy Assistant (A45500)	• In 2011, the U.S. Department of Health and Human Services Task Force on Aging reported nationally seventy-seven million baby boomers would turn sixty-five years of age that year. They also projected by 2025 the number of Medicare recipients will reach 69.3 million and represent 20.6% of the U.S. population. • An increasing aging population will have more medical conditions which will require an increase in health care professionals. • Demand for allied health professionals varies by employment setting, since facilities deliver different types of care to patients with conditions of varying acuity. Long-term care facilities accounted for the highest percentage of vacancies for OTAs at fifty-four percent. *(Allied Health Job Vacancy Tracking Report, March 2012)* • The U.S. Bureau of Labor Statistics projects the need for OTAs to grow by forty-two percent between 2012 and 2022. • In RCCC's workforce region, OTAs are projected to have a thirty-three percent increase in job growth between 2010 and 2020. *(https://www.ncworks.gov)* • In July 2014, RCCC noted 406 OTA jobs were available across NC. Rowan and Cabarrus counties were in the middle range of OTA job openings. The data also showed for the 406 job openings there were only 195 potential, qualified candidates looking for employment as an OTA. OTAs rank fifth in the number of job openings, compared to jobs in related healthcare fields. *(https://www.ncworks.gov)* • The Salisbury Department of Veterans Affairs Medical Center submitted a letter of support for the proposed program and stated that *students of these programs will help the VA to accomplish its organizational objectives while supporting workforce diversity, inclusion, and employment opportunities.* • Letters of support for the program were submitted to RCCC by local employers which include: Carolinas Rehabilitation, Novant Health Rowan Medical Center, and Bayada Home Health Care. • In April 2014, RCCC held a health summit and met with employers in health care and the health and fitness industry. The purpose of the meeting was to discuss current trends in the industry and obtain insight into future employer needs. OTAs were identified as a growing need in the area. • The college surveyed 343 high school and Early College students to assess their interest in the proposed OTA program. Two hundred and eighty-eight (84%) of these students indicated an interest in pursuing the proposed program.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
September 19, 2014		
Rowan Cabarrus CC	Physical Therapist Assistant (2-year program) (A45620)	• In 2011, the U.S. Department of Health and Human Services Task Force on Aging reported nationally seventy-seven million baby boomers would turn sixty-five years of age that year. They also projected by 2025 the number of Medicare recipients will reach 69.3 million and represent 20.6% of the U.S. population. • An increasing aging population will have more medical conditions which will require an increase in health care professionals. • Demand for allied health professionals varies by employment setting, since facilities deliver different types of care to patients with conditions of varying acuity. Long-term care facilities accounted for the highest percentage of vacancies for PTAs at thirty-eight percent. *(Allied Health Job Vacancy Tracking Report, March 2012)* • The U.S. Bureau of Labor Statistics projects the need for PTAs to grow by forty-one percent between 2012 and 2022. • PTA jobs are projected to increase by thirty-four percent in Cabarrus County and by twenty-one percent in Rowan County. *(https://www.ncworks.gov)* • On July 30, 2014, RCCC noted there were 19 PTA jobs available in Rowan and Cabarrus counties. *(https://www.ncworks.gov)* • The Salisbury Department of Veterans Affairs Medical Center submitted a letter of support for the proposed program and stated that *students of these programs will help the VA to accomplish its organizational objectives while supporting workforce diversity, inclusion, and employment opportunities.* • Letters of support for the PTA program were submitted to RCCC by local employers which include: Carolinas Rehabilitation, Novant Health Rowan Medical Center, and Bayada Home Health Care. • In April 2014, RCCC held a health summit and met with employers in health care and the health and fitness industry. The purpose of the meeting was to discuss current trends in the industry and obtain insight into future employer needs. PTAs were identified as a growing need in the area. • The college surveyed 541 high school and Early College students to assess their interest in the proposed PTA program. Four hundred and eighty-two (89%) of these students indicated an interest in pursuing the proposed program.
Southeastern CC	Sustainable Agriculture (A15410)	• The program will share facilities, faculty, and technical staff with the current Agricultural Biotechnology program. Therefore the cost to develop the program is minimal. • The techniques that students learn in the proposed program will allow students to develop their own specialty crop businesses. • The college will provide assistance for entrepreneurs through their Small Business Center. The college has also established the Down East Connect, which is an internet-based farmer's market which connects local producers with buyers in Myrtle Beach and Wilmington.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
September 19, 2014		
Southeastern CC (Cont'd)	Sustainable Agriculture (A15410)	• The availability of space in the Columbus County area that previously was focused on the growth of tobacco can be repurposed for use to grow food crops. The college's Small Business Center provides assistance to farmers who are transitioning or re-tooling. • The Director of the Columbus County Economic Development Commission submitted a letter of support for the proposed program and noted that *Agriculture is one of the most significant drivers of the economy in Columbus County with over $160,000,000 in agriculture production realized each year. The new program will add jobs to our region while helping to sustain the value of the agricultural production assets already in place throughout our region.* • The Columbus County School's Local Education Agency provides agriculture education opportunities to students at each of their three traditional high schools. They currently have enrollment of 670 students in these programs and the majority of these students participate in the Future Farmers of America activities and events. • The college plans to offer a Sustainable Agriculture Career Technical Education program if they are approved for the program. • The Department Head of the Crop Science Department at NCSU submitted a letter of support and stated that this program would *provide an excellent way for students in southeastern NC to receive formal training in the agricultural field.* • The Agriculture Extension Agent of the Cooperative Extension Service in Columbus County noted the program will help *prepare a new generation to be prepared for the agriculture of the future.*
Western Piedmont CC	Nursing Assistant (Certificate) (C45480)	• WPCC currently offers state-approved Nurse Aide I and Nurse Aide II courses through continuing education. In 2013, seventy-eight students completed the NA I course with a 98% pass rate and twenty-five students completed the NA II course. The current NA faculty, facility space, and clinical agencies will be utilized for the curriculum nursing assistant certificate program. • Burke County has an ongoing need for nursing assistants in long-term and acute care. • On February 18, 2014, WPCC held their planning meeting. At the meeting, Carolina Healthcare System Blue Ridge and Broughton Hospital both expressed interest in the program. Carolina Healthcare System Blue Ridge is the largest health care employer in the county. Broughton Hospital averages a 3.8% vacancy rate and in 2013 hired eighty-three nursing assistants. • An increasing aging population will have more medical conditions which will require an increase in health professionals. Research demonstrates a growing shortage of nurse aides both nationally and state-wide. The NC Long-Term Occupational Projections for 2006-2016 ranked hospitals and nursing/residential care facilities as top industries with growing employment. As a state, they estimate we have 6,500 nurse aide vacancies annually.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
September 19, 2014		
Western Piedmont CC (Cont'd)	Nursing Assistant (Certificate) (C45480)	• Personal care aides and home health aides are projected to be the fastest-growing occupations in the country between 2010 and 2020, increasing seventy-one percent and sixty-nine percent, respectively. Nursing aides, orderlies and attendants are expected to increase by twenty percent. *(Paraprofessional Healthcare Institute, February 2013)* • It is estimated seventy to eighty percent of the hands-on assistance to individuals with long-term and personal assistance needs are provided by direct care workers. Direct care workers include the following: nursing aides, home health aides, and personal care aides. In the U.S., the direct-care workforce surpassed 3.3 million in 2010 and an additional 1.6 million new positions is projected by 2020. *(Paraprofessional Healthcare Institute, February 2013)* • The Burke County high schools are interested in the nursing assistant program being available as a Career and College Promise pathway for their students.
Western Piedmont CC	Phlebotomy (Certificate) (C45600)	• WPCC currently has a Medical Laboratory Technology (MLT) program. Upon completion of the MLT AAS degree, individuals may complete a Bachelor of Science degree in Clinical Laboratory Sciences through a distance learning program offered by Winston Salem State University. The phlebotomy certificate will provide the initial stackable credential in the medical laboratory career pathway. • WPCC currently offers a phlebotomy course through continuing education. Over the past four years, the need for phlebotomists with increased inpatient clinical training and with a broader range of patients, has been consistently documented at the WPCC's MLT Program Advisory Committee. • At WPCC's phlebotomy planning meeting, Laboratory Administrative Directors from three of the four hospitals indicated a need for better prepared phlebotomists and expressed interest and support in the certificate program. • The Bureau of Labor Statistics projects a national growth of 14.7% between 2010 and 2020 for phlebotomists.
October 17, 2014		
Rowan Cabarrus CC	Health and Fitness Science (A45630)	• The Bureau of Labor Statistics states that the employment of health educators and community health workers is expected to grow by twenty-one percent from 2010 to 2020, faster than the average for all occupations. • According to the Bureau of Labor Statistics (2012) the median pay for fitness trainers and instructors is approximately $31,720 a year. An increasing number of employers require fitness workers to have an associate or bachelor's degree related to the health or fitness field. The median pay for health educators and community health workers is approximately $41,830 a year. • The demand for health and fitness professionals is fueled in part by recognition of business and insurance companies regarding the benefits of health and fitness programs for employees. (Bureau of Labor Statistics, 2012)

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
October 17, 2014 (Continued)		
Rowan Cabarrus CC (Cont'd)	Health and Fitness Science (A45630)	• The 2013, Rowan Health and Human Services Needs Assessment (RHHSNA) ranked physical fitness as fifth in the top areas of concern for residents in the counties. The proposed program will help address these issues by graduating competent individuals to practice within the community. • Currently, NC ranks ninth in the nation in the total number of people employed as Fitness Trainers or Aerobics Instructors. Graduates from the Health and Fitness Science program would qualify to hold these positions. • The Wellness Coordinator/Health Education Specialist for Rowan County Government submitted a letter of support for the proposed program and stated that employers within Rowan County will have a better opportunity to provide more preventive services to their employees; and in return, it will lower absenteeism, create a healthier work environment, as well as create a healthier community. • The Cardiac and Pulmonary Rehabilitation Program Supervisor for Novant Health Rowan Medical Center submitted a letter of support for the proposed program and stated, as our healthcare industry focuses on prevention and wellness of the communities we serve, we will be dependent on having well-educated and well trained individuals at Rowan Medical Center to promote Novant Health's mission of 'improving the health of communities one person at a time.'" • In April 2014, RCCC held a health summit and met with employers in health care and the health and fitness industry. The purpose of the meeting was to discuss current trends in the industry and obtain insight into future employer needs. Health coaches/fitness trainers were identified as a growing need in the area. • The college surveyed 261 high school and Early College students to assess their interest in the proposed Health and Fitness Science program. One hundred and sixteen (44%) of these students indicated an interest in pursuing the proposed program.
Rowan Cabarrus CC	Therapeutic Massage (A45750)	• The Bureau of Labor Statistics notes Therapeutic Massage jobs are expected to increase by twenty-three percent between 2012-2022. In recent years, there has been a progressive shift in healthcare delivery with a focus on preventive, integrative, and wellness techniques, including stress reduction, health screenings, nutrition, weight management, and exercise. • Massage therapy is one of the most popular complementary and alternative medicine (CAM) therapies for the relief of pain in the United States and has been shown to decrease symptoms of anxiety and depression associated with chronic pain conditions. (Jonas, 2002; Karlson, Hamilton, & Rapoff, 2014; Sands, 2014) • In 2002, the White House Commission on CAM recommended that the federal government take deliberate steps to assist with the integration of CAM into traditional healthcare systems (Jonas, 2002). The Affordable Care Act created provisions for free preventative care, funding for programs that educate the public on health and wellness, and new rules for employer wellness programs.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
October 17, 2014		
Rowan Cabarrus CC (Cont'd)	Therapeutic Massage (A45750)	• In August 2014, RCCC noted 172 Massage Therapy jobs were available across NC. Rowan and Cabarrus counties were in the middle range of massage therapy job openings. The data also showed for the 172 job openings there were only 25 potential, qualified candidates looking for employment as a Massage Therapists. Therapeutic Massage ranks eight in the number of job openings, compared to jobs in related healthcare fields. (https://www.ncworks.gov) • In the Centralina Workforce Development Board region, the estimated mean annual wage is expected to be $47,181. In Cabarrus County the mean annual wage in 2013 was $48,779. Future job openings in the greater Charlotte area is expected to grow by 850 jobs, more than double the growth in the other workforce development board regions. (https://www.ncworks.gov) • A letter of support for the Therapeutic Massage program was submitted to RCCC by Collins Chiropractic & Acupuncture Center. • In April 2014, RCCC held a health summit and met with employers in health care and the health and fitness industry. The purpose of the meeting was to discuss current trends in the industry and obtain insight into future employer needs. Massage Therapists were identified as a growing need in the area. • The college surveyed 136 high school and Early College students to assess their interest in the proposed Therapeutic Massage program. Fifty-four (40%) of these students indicated an interest in pursuing the proposed program.
November 21, 2014		
Asheville-Buncombe Technical CC	Aviation Management and Career Pilot Technology (A60180)	• A NC Department of Transportation study suggests that there will be approximately 750 additional positions resulting from the expansion of the Asheville Regional Airport along with the rollout of the new General Electric Aviation branch. Most of these jobs will be within the skill sets most closely associated with the Aviation Management and Career Pilot Technology program. • A 2013 report on the aviation industry entitled *An Investigation of the United States Airline Pilot Labor Supply* indicated that within the upcoming decade there will be a shortage of 35,000 pilot positions, nationally, as baby-boomers retire out of that industry. American Airlines/US Airways alone will be hiring 1,500 pilots over the next five years. • The Bureau of Labor Statistics indicates that there are 185 employed commercial pilots in western North Carolina with an average annual income of $66,240. • The college will contract with WNC Aviation to provide ground and flight training. The college plans on meeting rigorous FAA requirements that should result in ABTCC earning the distinction of becoming the only FAA Part 141 ground school in western North Carolina. WNC Aviation has enrolled 239 student flight-school pilots between 2009 and 2013. • The college received a letter of support from WNC Aviation. The company foresees hiring eight additional pilots from 2015-2017 and 15 additional pilots from 2017-20.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
November 21, 2014 (Continued)		
Catawba Valley CC	Mechatronics Engineering Technology (A40350)	• CVCC has successfully offered mechatronics courses to area employers under their continuing education department and has determined that there is enough ongoing interest and employment need in their community to transition training into a curriculum degree program. • The college has enrolled 270 students in continuing education electronics and mechatronics courses over the last three years. The following companies have sent their employees to the college for mechatronic skills training: Polyester Fibers, Plastics Packaging, GKN, Technibilt, Hickory Chair, Bemis, Engineered Sintered Components, Broyhill Furniture Industries, HBF, ZF Lemforder, Draka (now Prysmian), Flowers Baking Company of Newton, Steele Rubber Products, Roll Tech, Carpenter Co, Sabo USA, Getrag (now GKN Driveline), Saft, Camlil Farr, US Conec, HS Wire, Hickory Springs (now HSM), DTEC, Unigel, Delta Apparel, CommScope, Paragon Films, United Machine and Metal Fabricators, and Vanguard Furniture. • The following companies hired completers of the continuing education classes: Certainteed, GKN Sinter Metals, Hickory Springs, Nuclear Contractor, Poppelmann Plastics, Duke Energy, and ZF Lemforder. • According to the NC Department of Commerce Statewide Occupational Projections 2010-2020, employment of Electro-Mechanical Technicians is expected to increase by 17%. • The college currently offers most of the courses required for the mechatronics program under existing industrial and engineering programs; therefore, there will be very little additional expense involved with offering the mechatronics program. • Four companies in the college's service area have collaborated with CVCC to form *Apprenticeship Catawba*. Their goal is to provide paid apprenticeship positions for Career and Promise students enrolled in the mechatronics program. At the completion of the apprenticeship, students are expected to earn approximately $34,000 which is more than twice the current minimum wage. • The college successfully offers Career and College Promise under Industrial Systems Technology to area high school students and plans to transition students into the mechatronics program.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
November 21, 2014 (Continued)		
South Piedmont CC	Nursing Assistant (Certificate) (C45480)	• SPCC currently offers a state-approved Nurse Aide I program through continuing education. Students, parents, and secondary school officials in both Anson and Union counties have requested that SPCC begin offering the nursing assistant program as a Career and College Promise pathway. • Union and Anson counties have assisted living facilities, long and short-term care facilities, home care agencies, hospice, Carolinas Medical Center (CMC)- Union hospital and Carolinas HealthCare System in Anson that employee certified nursing assistants. • A survey completed by SPCC determined Union and Anson counties employers were projecting seventeen full-time job openings in 2014, fifty-seven full-time job openings in 2015, and fifty-eight full-time job openings in 2016. • The NC Long-Term Occupational Projections for 2006-2016 ranked hospitals and nursing/residential care facilities as top industries with growing employment. As a state, they estimate we have 6,500 nurse aide vacancies annually. • Personal care aides and home health aides are projected to be the fastest-growing occupations in the country between 2010 and 2020, increasing seventy-one percent and sixty-nine percent, respectively. Nursing aides, orderlies and attendants are expected to increase by twenty percent. *(Paraprofessional Healthcare Institute, February 2013).* • It is estimated seventy to eighty percent of the hands-on assistance to individuals with long-term and personal assistance needs are provided by direct care workers. Direct care workers include the following: nursing aides, home health aides, and personal care aides. In the U.S., the direct-care workforce surpassed 3.3 million in 2010 and an additional 1.6 million new positions is projected by 2020. *(Paraprofessional Healthcare Institute, February 2013)* • According to the New York Times, by 2050, 83.7 million Americans will be 65 or older, compared with 43.1 million in 2012. The number of Americans 65 and older is expected to nearly double by the middle of the century when they will make up more than a fifth of the nation's population. (www.nytimes.com/2014/05/07/us/graying-ofamerica-is-speeding-report-says.html) • Letters of support for the program were submitted to SPCC by both Directors of Career and Technical Education at Anson and Union County Schools. • SPCC surveyed high school, Early College, and current SPCC students to determine interest in pursuing the proposed program. Of the students surveyed, one hundred and sixty-five indicated an interest in the program.

Appendix B: Special Curriculum Program Approvals by Date of Information to the State Board of Community Colleges	
Community College	**Curriculum Title and Code**
January 17, 2014	
Robeson CC	Welding Technology (A50420)
February 21, 2014	
Pamlico CC	Human Services Technology/Gerontology (A4538B)
May 16, 2014	
Beaufort County CC	Nursing Assistant (Diploma) (D45930)*
Bladen CC	Nursing Assistant (Diploma) (D45930)*
Blue Ridge CC	Emergency Medical Science (Diploma) (D45910)*
Caldwell CC & TI	Medical Assisting (Diploma) (D45920)*
Central Carolina CC	Medical Assisting (Diploma) (D45920)*
Central Carolina CC	Nursing Assistant (Diploma) (D45930)*
Cleveland CC	Emergency Medical Science (Diploma) (D45910)*
Cleveland CC	Medical Assisting (Diploma) (D45920)*
Cleveland CC	Nursing Assistant (Diploma) (D45930)*
Cleveland CC	Phlebotomy (Diploma) (D45950)*
College of The Albemarle	Medical Assisting (Diploma) (D45920)*
College of The Albemarle	Nursing Assistant (Diploma) (D45930)*
College of The Albemarle	Phlebotomy (Diploma) (D45950)*
Davidson County CC	Emergency Medical Science (Diploma) (D45910)*
Davidson County CC	Medical Assisting (Diploma) (D45920)*
Davidson County CC	Nursing Assistant (Diploma) (D45930)*
Davidson County CC	Pharmacy Technology (Diploma) (D45940)*
Davidson County CC	Therapeutic Massage (Diploma) (D45960)*
Durham Technical CC	Emergency Medical Science (Diploma) (D45910)*
Durham Technical CC	Medical Assisting (Diploma) (D45920)*
Durham Technical CC	Pharmacy Technology (Diploma) (D45940)*
Edgecombe CC	Business Administration/Logistics Management (A2512E)
Fayetteville Technical CC	Nursing Assistant (Diploma) (D45930)*
Gaston College	Nursing Assistant (Diploma) (D45930)*
Johnston CC	Emergency Medical Science (Diploma) (D45910)*
Johnston CC	Medical Assisting (Diploma) (D45920)*
Johnston CC	Nursing Assistant (Diploma) (D45930)*
Johnston CC	Pharmacy Technology (Diploma) (D45940)*
Johnston CC	Therapeutic Massage (Diploma) (D45960)*
Mayland CC	Nursing Assistant (Diploma) (D45930)*
McDowell Technical CC	Nursing Assistant (Diploma) (D45930)*
Nash CC	Medical Assisting (Diploma) (D45920)*
Nash CC	Phlebotomy (Diploma) (D45950)*

Appendix B: Special Curriculum Program Approvals by Date of Information to the State Board of Community Colleges	
Community College	**Curriculum Title and Code**
May 16, 2014 (Continued)	
Piedmont CC	Medical Assisting (Diploma) (D45920)*
Piedmont CC	Nursing Assistant (Diploma) (D45930)*
Piedmont CC	Phlebotomy (Diploma) (D45950)*
Robeson CC	Emergency Medical Science (Diploma) (D45910)*
Robeson CC	Nursing Assistant (Diploma) (D45930)*
Southeastern CC	Manicuring/Nail Technology (A55400)
Southwestern CC	Emergency Medical Science (Diploma) (D45910)*
Southwestern CC	Medical Assisting (Diploma) (D45920)*
Southwestern CC	Nursing Assistant (Diploma) (D45930)*
Southwestern CC	Phlebotomy (Diploma) (D45950)*
Southwestern CC	Therapeutic Massage (Diploma) (D45960)*
Tri-County CC	Emergency Medical Science (Diploma) (D45910)*
Tri-County CC	Medical Assisting (Diploma) (D45920)*
Vance-Granville CC	Medical Assisting (Diploma) (D45920)*
Vance-Granville CC	Nursing Assistant (Diploma) (D45930)*
Vance-Granville CC	Pharmacy Technology (Diploma) (D45940)*
Wilkes CC	Medical Assisting (Diploma) (D45920)*
Wilkes CC	Nursing Assistant (Diploma) (D45930)*
July 18, 2014	
Gaston College	Human Services Technology/Developmental Disabilities (A4538A)
South Piedmont CC	Welding Technology (A50420)
August 15, 2014	
Alamance CC	Infant/Toddler Care (Certificate) (C55290)
September 19, 2014	
Piedmont CC	Human Services Technology/Gerontology (A4538B)

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**
February 2014		
Medical Sonography (A45440)	Pitt CC	Nash CC
Nuclear Medicine Technology (A45460)	Pitt CC	Nash CC
September 2014		
Cyber Crime Technology (A55210)	Stanly CC	Catawba Valley CC

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

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
January 17, 2014		
Asheville-Buncombe Technical CC	Biotechnology (A20100)	Low Enrollment: The program had low student enrollment and lack of jobs in the service area.
Asheville-Buncombe Technical CC	Computed Tomography and Magnetic Imaging Technology (Diploma) (D45200)	Low Enrollment: The program had low student enrollment and lack of jobs in the service area.
Asheville-Buncombe Technical CC	Mechanical Drafting Technology (A50340)	Low Enrollment: The College plans to utilize the Computer Integrated Drafting Technology program, which provides better alignment with industry needs and student interest.
Asheville-Buncombe Technical CC	Real Estate (A25400)	Low Enrollment: There were insufficient employment opportunities for real estate in the service area. The college will continue to offer real estate training under Continuing Education.
Asheville-Buncombe Technical CC	Resort and Spa Management (A55410)	No Enrollment: The content of the Resort and Spa Management curriculum is very specific. The college was able to utilize the broader Hospitality Management (A25110) curriculum in order to meet the needs of students and employers.
Halifax CC	Associate in Fine Arts (A10200)	No Enrollment: The College projected community growth and need for the Associate in Fine Arts program, which did not materialize. Students were able to utilize other college transfer programs to meet their needs.
Halifax CC	Cosmetology Instructor (Certificate) (C55230)	No Enrollment: There is a lack of employment opportunities in the area for cosmetology instructors.
Halifax CC	Electronics Engineering Technology (A40200)	Low Enrollment: Students graduating in the program and in the Industrial Systems Technology (A50240) program qualified for the same employment opportunities. The college would like to eliminate the duplication and focus on the Industrial Systems Technology program.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
January 17, 2014 (Continued)		
Halifax CC	Esthetics Technology (Certificate) (C55230)	The College received automatic approval for the program in 1999. The college never offered the program due to lack of demand for this specialty.
Halifax CC	Pulp and Paper Technology (A50430)	Low Enrollment: There has been a decrease in industry demand for employees.
Halifax CC	School-Age Education (A55440)	No Enrollment: The area schools are no longer hiring assistants for grades higher than the second grade. The Early Childhood Education (A55220) program fulfills the need for area childcare providers and before/after school programs.
Rockingham CC	Associate in General Education (A10300)	No Enrollment: Students have been utilizing the college transfer degrees instead of the Associate in General Education.
Rockingham CC	Business Administration/Customer Service (A2512B)	No Enrollment: Local employers and students are more interested in a general business degree, which includes customer service training. The College will continue to offer customer service courses under the Business Administration (A25120) program.
Rockingham CC	Business Administration/Electronic Commerce (A2512I)	No Enrollment: Local employers and students are more interested in a general business degree with courses in electronic commerce. The college will continue to offer electronic commerce courses under the Business Administration (A25120) program.
Rockingham CC	Business Administration/Human Resources Management (A2512C)	No Enrollment: Local employers and students are more interested in a general business degree with courses in human resources management. The college will continue to offer human resources management courses under the Business Administration (A25120) program.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
January 17, 2014 (Continued)		
Rockingham CC	Carpentry (Diploma) (D35180)	No Enrollment: A downturn in the economy resulted in a loss of jobs in carpentry. Students are able to utilize the Facility Maintenance program to prepare for employment in the construction service industry.
Rockingham CC	Central Sterile Processing (Certificate) (C45180)	No Enrollment: Employers in the area are able to meet their needs with on-the-job training. Students are enrolling in the Surgical Technology program to increase their opportunities for gainful employment.
Rockingham CC	Cosmetology Instructor (Certificate) (C55160)	No Enrollment: Program has lacked student enrollment and employment opportunities.
Rockingham CC	Environmental Science Technology (A20140)	No Enrollment: There is a lack of employment opportunities in the area for graduates.
Rockingham CC	Esthetics Technology (Certificate) (C55230)	No Enrollment: College received automatic approval for the program in 1999 and never activated the program.
Rockingham CC	Fine and Creative Woodworking (A30160)	Low Enrollment: Program needs are being met through continuing education courses.
Rockingham CC	Greenhouse and Grounds Maintenance (Certificate) (C15220)	No Enrollment: Students and employers are able to meet their needs through the Horticulture program.
Rockingham CC	Health Care Technology (Certificate) (C45350)	No Enrollment: Students are able to acquire the skills and knowledge through other programs.
Rockingham CC	Information Systems Security (A25270)	No Enrollment: There are insufficient employment opportunities for information systems security in the college's service area. In addition, new security trends have emerged making the program less attractive to students and local employers. The college will continue to offer information systems security courses under the Computer Information Technology (A25260) program.
Rockingham CC	Lateral Entry (Certificate) (C55430)	No Enrollment: Students are able to meet requirements through other means.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
January 17, 2014 (Continued)		
Rockingham CC	Licensed Practical Nurse Refresher (Certificate) (C45390)	No Enrollment: There has been limited interest in the refresher program.
Rockingham CC	Manicuring/Nail Technology (Certificate) (C55400)	No Enrollment: Students are able to acquire manicuring skills within the Cosmetology program and within continuing education courses.
Rockingham CC	Mechanical Engineering Technology (A40320)	A downturn in the economy resulted in a loss of jobs in the area for mechanical engineers. There were job opening in computer numerical control (CNC) machining and for electrical engineers, which resulted in student interest in those areas rather than mechanical engineering.
Rockingham CC	Networking Technology (A253400	No Enrollment. There are insufficient employment opportunities for networking technology in the college's service area. In addition, new trends and technologies, such as cloud computing and mobile applications, have been introduced as alternatives to networking technologies. The college will continue to offer networking technology courses under other existing IT related programs.
Rockingham CC	Occupational Therapy Assistant (A45500)	No Enrollment: The program has not been offered by the college since 2002. Employment opportunities in the service area declined during the 1996-2002 academic years.
Rockingham CC	Office Administration/Legal (A2537A)	Low Enrollment. There are insufficient employment opportunities for graduates of the Office Administration/Legal program in the college's service area. The college will continue offering Office Administration/Legal related courses under the Office Administration (A25370) degree.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
January 17, 2014 (Continued)		
Rockingham CC	Real Estate (A25400)	Low Enrollment: There are insufficient employment opportunities for Real Estate in the college's service area. The college will continue to offer real estate training under Continuing Education.
Rockingham CC	School-Age Education (A55440)	No Enrollment: The College is able to utilize the Early Childhood Education (A55220) program to fulfill student and employer needs.
Wayne CC	Associate in Fine Arts (A10200)	No Enrollment: Students had difficulty in transferring credits to senior institutions under the Associate in Fine Arts degree.
Wayne CC	Esthetics Technology (Certificate) (C55230)	No Enrollment: The College received automatic approval for the program in 1999. The college never offered the program.
Wilkes CC	Associate in Fine Arts (A10200)	Low Enrollment: There has been limited interested in the major courses (Art, Music and Drama) under the Associate in Fine Arts. Students have been able to use the Associate in General Education program and select electives that fit their needs.
Wilkes CC	Business Administration/Electronic Commerce (A2512I)	Low Enrollment: There are insufficient employment opportunities for graduates of the Business Administration/Electronic Commerce program in the college's service area. The college is considering offering electronic commerce courses and concepts under the Business Administration (A25260) program.
Wilkes CC	Computer Engineering Technology (A40160)	The College incorporated the program under the Applied Engineering Technology (A40130) program.
Wilkes CC	Computer Programming (A25130)	Low Enrollment: There are insufficient employment opportunities for Computer Programming in the college's service area. The college is considering offering computer programming courses and concepts under the Computer Information Technology (A25260) program.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
January 17, 2014 (Continued)		
Wilkes CC	Criminal Justice Technology/Financial Crime/Computer Fraud (A5518B)	Low Enrollment: Sequencing of this program was difficult and took too long for students to complete.
Wilkes CC	Electrical Systems Technology (A35130)	The College incorporated the program under the Applied Engineering Technology (A40130) program.
Wilkes CC	General Occupational Technology (A55280)	No Enrollment: The program is not designed for specific career goals. If a student is undecided about his or her career path, they can utilize the Associate in General Education program.
Wilkes CC	Human Services Technology/Social Services (A4538D)	No Enrollment: Employers in the service area are seeking employees with a more diverse program of study. The college is able to utilize the Human Services Technology (A45380) to fulfill student and employer needs.
Wilkes CC	Web Technologies	Low Enrollment: There are insufficient employment opportunities for the program in the college's service area. The college is considering offering Web Technologies courses and concepts under the Computer Information Technology (A25260) program.
February 21, 2014		
Beaufort County CC	Lateral Entry (Certificate) (C55430)	No Enrollment: Public school teachers have other options to obtain lateral entry requirements, which are less expensive and shorter in duration.
Haywood CC	Low Impact Development (A40290)	Low Enrollment: The program had low enrollment and lack of employment opportunities in the construction industry.
Mayland CC	Accounting (A25100)	Low Enrollment: Consistently low employment, budget declines and insufficient employment opportunities for accounting graduates in the college's service area led to the termination of the program. The college will offer additional accounting courses under the Business Administration (A25120) program.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
February 21, 2014		
Mayland CC	Associate in Fine Arts (A10200)	Low Enrollment: The program was initially developed as a joint venture with Penland School of Crafts; however, scheduling and credentialing issues made it difficult to enroll students.
Mayland CC	Hospitality Management (A25110)	Low Enrollment: Declines in budget and lack of student interest resulted in termination of the program.
Mayland CC	Medical Office Administration (A25310)	This program was terminated when the college received approval for the Medical Assisting (A45400) program. There was overlap between the two programs. Medical Assisting better served the needs of the community.
Rowan-Cabarrus CC	Esthetics Instructor (Certificate) (C55270)	No Enrollment: The college's Cosmetology Instructor (Certificate) (C55160) program covers the licensing for cosmetology, esthetics and manicuring.
Vance-Granville CC	Business Administration/Electronic Commerce (A2512I)	No Enrollment. This program has not been offered recently due to the current economic trends and the insufficient employment opportunities for Business Administration/Electronic Commerce in the college's service area.
Vance-Granville CC	Business Administration/Operations Management (A2512G)	No Enrollment. This program has not been offered recently due to the current economic trends and the insufficient employment opportunities for Business Administration/ Operations Management in the college's service area.
Vance-Granville CC	Recreation and Leisure Studies	No Enrollment: A depressed, local economy led to a lack of available jobs for graduates of the program.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
March 21, 2014		
Blue Ridge CC	Health Unit Coordinator (Certificate) (C25220)	Local employers and students are more interested in a general office administration degree, which includes healthcare business related courses. The college will continue to offer healthcare business related courses under the Office Administration (A25370) program.
Central Piedmont CC	Associate in General Education (A10300)	Feedback from the Southern Association of Colleges and Schools indicated that the program did not meet the standard for a coherent program of study.
Davidson County CC	Business Administration/Logistics Management (A2512E)	The college plans to utilize the Global Logistics Technology (A25170) program, which provides better alignment with industry needs and student interest.
April 25, 2014		
Blue Ridge CC	Automotive Restoration Technology (Diploma) (D60140)	No Enrollment. Few jobs exist in the area of auto restoration. The program attracted students interested in car restoration as a hobby. These students can continue to be served in the college's collision repair program.
Blue Ridge CC	Business Administration/Electronic Commerce (A2512I)	Low Enrollment. The students and employers are more interested in the broader Business Administration degree. The college will continue to offer electronic commerce related courses as part of the Business Administration (A25120) degree and specialized short-term training under Continuing Education.
Catawba Valley CC	Furniture Upholstery (Diploma) (D50220)	Low Enrollment. Local industry requested that the program transition into continuing education to meet specific training needs.
Davidson County CC	Community Spanish Interpreter (A55370)	The Healthcare Interpreting (A45430) program, which prepares individuals to work in a healthcare environment as entry-level bilingual professionals, provides more opportunities for the college's service area than the Community Spanish Interpreter program.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
April 25, 2014		
Haywood CC	Therapeutic Massage (A45750)	Low Enrollment. There was a decline in enrollment and lack of student interest in the program. In the future, the college may consider offering the program in continuing education.
Southwestern CC	Practical Nursing (Diploma) (D45660)	Low Enrollment. Employment opportunities in the area have declined because medical facilities are now utilizing Medical Assistants and Nurse Aide II's to meet their workforce needs. Student interest has declined as a result of the job market.
Wake Technical CC	Real Estate (A25400)	There are insufficient employment opportunities for real estate graduates in the college's service area. The college will offer real estate related training under continuing education if there is a future need.
May 16, 2014		
Richmond CC	Associate in General Education (A10300)	Low Enrollment: Enhanced academic advising led students to change their major from the Associate in General Education to the Associate in Arts or Associate in Science program.
July 18, 2014		
Halifax CC	Lateral Entry (Certificate) (C55430)	Low enrollment: Students are choosing to complete lateral entry requirements through the NC Regional Alternative Licensure Centers.
Pitt CC	Greenhouse and Grounds Maintenance (Certificate) (C15220)	The program was offered to the special needs adult population as part of a community outreach program, which is no longer active.
Pitt CC	Infant/Toddler Care (Certificate) (C55290)	Low enrollment: Students are choosing to enroll in a similar, local certificate offered under the Early Childhood Education (A55220) program.
Wayne CC	Cosmetology (A55140)	The college is moving the program from curriculum to continuing education. They believe this will provide more flexibility for the students.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
August 20, 2014		
Lenoir CC	Agricultural Biotechnology (A20110)	Low enrollment: There were insufficient employment opportunities in the college's service area, a lack of student interest, and difficulty in hiring credentialed faculty to teach the curriculum.
Lenoir CC	Computer Programming (A25130)	Low Enrollment: There was a lack of student interest and insufficient employment opportunities in the college's service area.
Lenoir CC	Lateral Entry (Certificate) (C55430)	Low enrollment: Students are choosing to complete lateral entry requirements through the NC Regional Alternative Licensure Centers (RALC).
September 19, 2014		
Carteret CC	Interior Design (A30220)	Low Enrollment. The declining housing market provides few employment opportunities for graduates of the program.
Catawba Valley CC	Architectural Technology (A40100)	Low enrollment. The program has lacked student enrollment and employment opportunities in the architectural industry remains low
Catawba Valley CC	Cyber Crime Technology (A55210)	Low enrollment. There was a lack of student interest and difficulty in hiring credentialed faculty to teach the Cyber Crime Technology Curriculum. The college is entering into a Level III Instructional Service Agreement with Stanly Community College to offer cyber crime courses to their students.
Catawba Valley CC	Graphic Arts and Imaging Technology (A30180)	Low Enrollment. There are limited employment opportunities in the service area for employees with traditional, non-digital printing skills. Students who are interested in graphic arts will be redirected to the Advertising and Graphic Design (A30100) program.

Appendix D: Curriculum Program Terminations by Date of Information to the State Board of Community Colleges		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
October 17, 2014		
Beaufort County CC	Accounting (A25100)	Low enrollment: The enrollment has declined over the past few years due to the increased use of accounting software by businesses in the colleges' service area. The college will continue to offer accounting courses under the Business Administration (A25120) program.
Lenoir CC	Central Sterile Processing (Certificate) (C45180)	No Enrollment: The college received approval for the Central Sterile Processing program during Reengineering, however they never activated the program.
Lenoir CC	Manicuring/Nail Technology (Certificate) (C55400)	No Enrollment: On 11/30/96, the State Board approved the Manicuring/Nail Technology (C55400) as a new program and provided automatic program approval for colleges that were approved for the Cosmetology program. The college never activated the Manicuring/Nail Technology program.
Lenoir CC	School-Age Education (A55440)	No Enrollment: On 11/21/08, this program was converted from the Early Childhood Education/Teacher Associate (A5522B) program into the School-Age Education (A55440) program. The college never implemented the revised program. The college developed a School-Age focus option within their Early Childhood Education program.
Mayland CC	Practical Nursing (Diploma) (D45660)	Employment opportunities in the region have declined because local hospitals and nursing homes are no longer hiring Practical Nurses. Instead, these employers use RNs or CNAs to meet their workforce needs. The college has increased their enrollment in the Associate Degree Nursing program.
November 21, 2014		
Richmond CC	General Occupational Technology (A55280)	Low Enrollment: Enhanced academic advising led students to select other majors.
Wake Technical CC	Associate in General Education (A10300)	The program has been terminated due to lack of workforce or transfer value to the students.

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 as eligible for the Special Application process:

- Community Spanish Interpreter (A55370)
- Computer Technology Integration (A25500)
- Entrepreneurship (A25490)
- Global Logistics (A25170)
- Industrial Systems Technology (A50240)
- Infant/Toddler Care (Certificate)(C55290)
- Information Systems Security (A25270)
- Lateral Entry (Certificate)(C55430)
- Low Impact Development (A40290)
- Medical Office Administration (A25310)
- Networking Technology (A25340)
- School-Age Care (Certificate) (C55450)
- Sustainability Technologies (A40370)
- Web Technologies (A25290)
- Welding Technology (A50420)

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

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

The following curriculum has been approved by the State Board of Community Colleges as eligible for the Special Application process, but requires that the college have prior approval for the Associate Degree Real Estate (A25400) program:

- Real Estate Licensing (Certificate) (C25480)

The following curriculum has been approved by the State Board of Community Colleges as eligible 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)

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.

Appendix E: (Continued)

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) in order to file a POS 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)   Pharmacy Technology (D45940)
Medical Assisting (D45920)   Phlebotomy (D45950)
Nursing Assistant (D45930)   Therapeutic Massage (D45960)

Appendix F:
Contact Information

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