North Carolina Community College System
Preparing North Carolina's World-Class Workforce

Curriculum Program Approvals and Terminations

January - December 2013

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North Carolina Community College System

December 2013

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Preparing North Carolina's World-Class Workforce

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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 they can operate the program efficiently and effectively within the resources available to the college.

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 2013 through December 2013, a total of **68** curriculum programs were approved. Of the **68** approved programs, **62** programs were existing curriculum programs, **4** were New-to-the-System and **2** were Level III Instructional Service Agreements.

The New to the System program is:

> Brewing, Distillation and Fermentation (A15250)
> > (Four colleges received approval for this new program.)

Per rule 1D SBCCC 400.95 (b), community colleges shall request to terminate a curriculum program when there has been low or zero enrollment for two years. From January 2013 through December 2013, the North Carolina Community College System received program termination requests from **11** colleges. The colleges requested termination of one or more of their curriculum programs resulting in the termination of **17** 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 4

Existing Curriculum Programs Applications...45

Subtotal: 49

Special Curriculum Program Applications

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

Special Curriculum Program Applications 17

Subtotal: 17

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) 2

Subtotal: 2

Total Curriculum Program Approvals………………………………..Grand Total: 68

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

Piedmont Community College... **3**
     Computer Technology Integration (A25500)
     Health Care Technology (Certificate) (C45350)
     Historic Preservation Technology (A35110)

Pitt Community College **1**
     Horticulture Technology (A15240)

Randolph Community College.. **4**
     Central Sterile Processing (Certificate) (C45180)
     Health Care Technology (Certificate) (C45350)
     Mechatronics Engineering Technology (A40350)
     Phlebotomy (Certificate) (C45600)

Richmond Community College **1**
     Dialysis Technology (Diploma) (D45300)

Rockingham Community College **6**
     Brewing, Distillation, and Fermentation (A15250)*
     Emergency Management (A55460)
     Fire Protection Technology (A55240)
     Photographic Technology (A30280)
     Professional Arts and Crafts: Sculpture (A30290)
     Professional Crafts: Clay (A30300)

Rowan-Cabarrus Community College **1**
     Emergency Management (A55460)

South Piedmont Community College... **3**
     Automotive Systems Technology (A60160)
     Mechatronics Engineering Technology (A40350)
     Therapeutic Massage (A45750)

Southwestern Community College.. **1**
     Occupational Therapy Assistant (A45500)

Surry Community College **1**
     Digital Media Technology (A25210)

Vance-Granville Community College... **2**
     Computer Technology Integration (A25500)
     Paralegal Technology (A25380)

Wake Technical Community College **2**
     Computer Technology Integration (A25500)
     Health and Fitness Science (A45630)

Wilkes Community College **1**
     Radiography (A45700)

Wilson Community College **1**
     Computer Technology Integration (A25500) ....

Total **49**

*New to the System Program
(Brewing, Distillation, and Fermentation was developed collaboratively as a new program. Asheville- Buncombe Technical Community College, Blue Ridge Community College, and Rockingham Community College received approval on July 18, 2013. Nash Community College received approval on November 15, 2013.)

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

Bladen Community College **1**
    Associate in Science (A10400)
Central Carolina Community College **1**
    Welding Technology (A50420)
College of The Albemarle **1**
    Business Administration/International Business (A2512D)
Edgecombe Community College **1**
    Business Administration/Shooting and Hunting Sports Management (A2512J)
Gaston College **1**
    Esthetics Technology (Certificate) (C55230)
Montgomery Community College **1**
    Human Services Technology/Developmental Disabilities (A4538A)
Pitt Community College **3**
    Alternative Transportation Technology (D60420)
    Automotive Light-Duty Diesel Technology (D60430)
    Entrepreneurship (A25490)
Randolph Community College **1**
    Business Administration/Customer Service (A2512B)
South Piedmont Community College **2**
    Associate in Fine Arts (A10200)
    Web Technologies (A25290)
Southeastern Community College **1**
    Sustainability Technologies (A40370)
Vance-Granville Community College **1**
    Human Services Technology/Gerontology (A4538B)
Wake Technical Community College **1**
    Associate in Fine Arts (A10200)
Wilson Community College **2**
    Alternative Transportation Technology (D60420)
    Automotive Light-Diesel Technology (D60430)

Total **17**

North Carolina Community College System
Preparing North Carolina's World-Class Workforce

Curriculum Program Terminations
by Community College

Asheville-Buncombe Technical Community College... **2**
     Carpentry (Diploma) (D35180)
     Human Services Technology/Social Services (A4538D)
Cape Fear Community College **2**
     Manicuring/Nail Technology (Certificate) (C55400)
     Medical Transcription (Diploma) (D25320)
Craven Community College.. **1**
     Sustainable Agriculture (A15410)
Fayetteville Technical Community College... **1**
     Criminal Justice Technology/Financial Crime/Computer Fraud (A5518B)
Martin Community College... **2**
     Carpentry (Diploma) (D35180)
     Lateral Entry (Certificate) (C55430)
Piedmont Community College... **3**
     Business Administration/Electronic Commerce (A2512I)
     Facility Maintenance Technology (A50190)
     School Age Education (A55440)
Pitt Community College **1**
     Information Systems Security (A25270)
Robeson Community College **1**
     Lateral Entry (Certificate) (C55430)
Rowan-Cabarus Community College.. **2**
     Agricultural Biotechnology (A20110)
     Manicuring Instructor (Certificate) (C55380)
Sandhills Community College.. **1**
     Golf Equipment Technician (Diploma) (D15210)
Vance-Granville Community College... **1**
     General Occupational Technology (A55280)

Total Program Terminations **17**

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 18, 2013		
Central Piedmont CC	Cosmetology (A55140)	• The Employment Security Commission of North Carolina reported the demand for hairdresser, hairstylists and cosmetologists is expected to increase by 14% by 2018. The expected trend increase nationally is 20% by 2018. • There are 22 private beauty/cosmetology schools in Charlotte-Mecklenburg, however most charge between $20,000-$30,000 to complete their program. Offering the Cosmetology program at CPCC will provide a less expensive option for students in this region while helping to meet the workforce demand.
College of The Albemarle	Mechanical Engineering Technology (A40320)	• College advisory boards have indicated that there is a trend in regional industries requiring skill sets that are associated with mechanical engineering technology (MET) and machining. • Local employers stated that there would be employment positions available for graduates of a mechanical engineering technology program. • The U.S. Coast Guard Base in Elizabeth City and related aviation support industries have proven to be very steady employers, even in an economic downturn, and have a need for employees with computer-assisted manufacturing and computer-aided drafting (CAM/CAD) skill sets commonly associated with MET.
Mitchell CC	Digital Media Technology (A25210)	• Businesses need to hire graduates that are well versed in the various medias used in marketing. • In addition to traditional job opportunities, it is noted that a career in digital media technology is especially suitable for self-employment. • The proposed program will replace the existing Web Technologies (A25290) program at Mitchell Community College. • Graphic designers with web site design and animation experience will especially be needed as demand increases for design projects for interactive media – web sites, mobile phones, and other technology," as stated by the US Bureau of Labor Statistics.
Pitt CC	Horticulture Technology (A15240)	• Pitt County has many commercial nurseries, athletic fields, and golf courses that require horticultural services. • Local employers indicate the need for a program to train new employees in horticultural practices and landscape maintenance. • According to employment projections prepared by Economic Modeling Specialists, Inc. (EMSI), the number of positions in landscaping, lawn service, and grounds maintenance in Pitt County will increase by 13% during the period 2011-2016.

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 18, 2013 (Cont'd)		
Wilkes CC	Radiography (A45700)	• According to projections prepared by Economic Modeling Specialists, Inc. (EMSI), Wilkes service area will experience double-digit growth between 2012 and 2018 in the percentage of people between sixty-five and eighty-three years of age. An increasing aging population will have more medical conditions which require imaging to diagnose and treat. Radiologic technologists will be needed to maintain and use the diagnostic equipment. • EMSI projects a twenty-one percent increase in healthcare and social assistance jobs (between 2012-2018) in the service area. In particular, the High County Area Workforce Development Board has projected thirty-seven openings for radiologic technicians from 2006-2016. • A student interest survey completed by area high school juniors and seniors in 2011-2012, indicated there are seventy-five juniors and sixty-seven seniors interested in enrolling in the Radiography program full-time if it was available at Wilkes Community College. • Offering the Radiography program will ensure that hospital and medical practitioners' needs for radiography technologists in the rural Wilkes Community College service area will continue to be met.
February 14, 2013		
Randolph CC	Mechatronics Engineering Technology (A40350)	• There are many manufacturing job positions involving mechatronics skill sets in the Piedmont Triad Partnership region including Randolph County. • The NC Department of Commerce Division of Employment Security (DES) lists manufacturing as the largest industry sector in Randolph County with 15,484 employment positions. Additionally, there are 2,980 related employment positions listed under Installation, Maintenance, and Repair Occupations. DES estimates state growth in this occupational area in 2008-18 to increase by 10,810. • RCC plans to replace Industrial Systems Technology with the Mechatronics Engineering Technology 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**
March 16, 2013		
Carteret CC	Baking and Pastry Arts (A55130)	• There are currently 128 facilities in Carteret County that could have jobs related to baking and pastry. • Local employers report the need for food service professionals that have baking and pastry skills. • According to the NC Division of Employment Security, the *North Carolina Occupational Trends (2008-2018) Report* notes that the Food Preparation and Serving Related Occupations group will experience growth in the region.
Rockingham CC	Emergency Management (A55460)	• The North Carolina Institute of Aging projected that the overall population in Rockingham County will increase from 42,190 in 2011 to 45,919 in 2025. In 2011, the 60+ age population comprised fifty-two percent of the Rockingham County population. This group is projected to increase to sixty percent in 2025 for the County. An increasing aging population will have more medical problems which may require an increased utilization of Emergency Medical Services in the area. • Rockingham County's Emergency Services agencies consist of over one thousand personnel within the disciplines of fire, EMS, and rescue serving in the various rolls. Many of these personnel seek to increase their education into the field of Emergency Management. It is imperative that individuals who are seeking positions with the Emergency Management field acquire a two year degree in that field. Those already serving in career agencies recognize the fact that their future promotions and pay increase are dependent on their educational growth as well. • The Rockingham County Board of Commissioners is supportive of the Emergency Management program for their community. Fourteen out of twenty-five employers within Rockingham Community College's service area responded to a survey indicating that thirty-three percent of current employees would earn a higher salary for skills provided in the program and fifty-eight percent of employees would have an opportunity for job promotion. Ninety percent of the employers completing the survey stated they would consider those with the Emergency Management degree for hiring even without experience.

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 16, 2013 (Cont'd)		
Rockingham CC	Emergency Management (A55460) (Cont'd)	• The North Carolina Department of Commerce Division of Employment Security has projected the average annual replacement of Emergency Medical Technicians and Paramedics as ten per year, Fire Fighters as twenty per year, and Police and Sheriff's Patrol Officers as thirty per year between 2008-2018 in the Northwest Piedmont Workforce Development Board. • Seventy-eight students currently enrolled in Criminal Justice classes at Rockingham Community College were surveyed to determine interest in the proposed Emergency Management program. Forty-six of the students surveyed indicated they would enroll in the Emergency Management program if offered at the college.
Rockingham CC	Fire Protection Technology (A55240)	• RCC surveyed local emergency management communities including fire chiefs, rescue squad chiefs, the Rockingham County Fire Marshal, and other public safety personnel. Responses from the survey indicated positive support for a Fire Protection Technology program that could be utilized by individuals to gain employment, for professional development, and for career progression in local fire departments. • The survey indicated a positive correlation between possessing an associate degree and the potential for individuals to earn higher wages, receive promotions, and to receive consideration for initial employment, at local fire departments in Rockingham County. • The Department of Labor (DOL) O-Net (Occupational Network) categorized careers in firefighting under "Bright Outlook". The DOL Careeronestop indicates an 18% growth trend for North Carolina through 2018.
Rockingham CC	Professional Arts and Crafts: Sculpture (A30290)	• Rockingham County has a vibrant arts community culture which supports the proposed program. The county is served by the Fine Arts Festival Association and the Rockingham County Arts Council which provide numerous opportunities for exhibition, sales, and commissions. • Statewide salaries range from $27,410 to $45,640 annually for fine artists, including painters, sculptors, and illustrators. Projected statewide growth is projected from 2008-2018. (*Division of Employment Security/NC Department of Commerce.*) • Facilities and equipment are already in place for the Associate in Fine Arts program, which can be utilized for 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**
March 16, 2013 (Cont'd)		
Rockingham CC	Professional Crafts: Clay (A30300)	• Rockingham County has a vibrant arts community culture which supports the proposed program. The county is served by the Fine Arts Festival Association and the Rockingham County Arts Council which provide numerous opportunities for exhibition, sales, and commissions. • Statewide salaries range from $27,410 to $45,640 annually for fine artists, including painters, sculptors, and illustrators. Projected statewide growth is projected from 2008-2018. (*Division of Employment Security/NC Department of Commerce.*) • Facilities and equipment are already in place for the Associate in Fine Arts program, which can be utilized for the proposed program.
April 18, 2013		
Central Piedmont CC	Nursing Assistant (Certificate) (C45480)	• 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*) • 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. • 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)* • The Division of Employment Security/NC Department of Commerce reports between 2008-2018 personal and home care aides, home health aides, and psychiatric aides are ranked number sixteen, nineteen and twentieth respectively as fastest growing occupations by percentage in the Charlotte Works Workforce Development Board region (Mecklenburg County). • The Division of Employment Security/NC Department of Commerce reports between 2008-2018 home health aides ranked number two as fastest growing occupations by job growth with a total of 3,330 openings in Charlotte Works region.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
April 18, 2013 (Cont'd)		
James Sprunt CC	Diesel and Heavy Equipment Technology (A60460)	• The U.S. Bureau of Labor Statistics Occupational Outlook Handbook indicates a 15% increase in Diesel Service Technician positions from 2010-20. • Representatives from local companies, expressed a concern over the shortage of qualified diesel mechanics. These collaborative partners indicated that they are committed to hiring all of the Diesel and Heavy Equipment Technology curriculum program graduates. • The skill sets that are associated with this program have additional value in that they cross over into the agricultural equipment repair and service industry, which may lead to entrepreneurial opportunities.
Rockingham CC	Photographic Technology (A30280)	• The *North Carolina Occupational Trends Report* indicates anticipated growth for photographers between 2008-2018 across the state. The number of photography jobs rose from 2,750 in 2002 to 3,150 in 2013. Employment in the college's region is anticipated to remain constant. (*Division of Employment Security/NC Department of Commerce*) • With 139,500 jobs in 2010, the projected growth rate is 13%, and the median pay is reported at $29,500 annually or $14.00 per hour. Photography is considered to be one of the 2010-2020 Projected Occupations in Demand. (*US Bureau of Labor Statistics*) • Facilities and equipment are already in place for photography courses within the Associate in Fine Arts program, which can be utilized for the proposed program. • The region has four photography studios and fifteen photographers that advertise in the college's service area. Local photographers assisted in designing the program. The program will provide a strong focus for the entrepreneur.
Rowan-Cabarrus CC	Emergency Management (A55460)	• The effects of the September 11 attacks still reverberate through both public and private-sector organizations. As a result, spending directed at emergency management and disaster mitigation has increased and led to increased employment opportunities in the emergency management field. The Bureau of Labor Statistics expects employment to grow by twenty-two percent, by 2018 (US News & World Report, 2011). • The Emergency Management planning committee conducted a job market survey to assess the RCCC service area's employment opportunities. Employer responses project thirty-five vacancies for the first graduating class and forty-two vacancies for the second graduating class. • Employers in the service area have indicated the program will meet skill set needs in law enforcement/criminal justice areas, homeland security, fire services, and emergency management.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
April 18, 2013 (Cont'd)		
South Piedmont CC	Mechatronics Engineering Technology (A40350)	• Monroe County has the highest concentration of aerospace companies in North Carolina. • Union County is home to over 100 manufacturing firms. • Georgetown University Center on Education and Workforce estimates that North Carolina will need to fill over 800,000 jobs requiring a minimum of an associate's degree by 2018. Union County demographics indicate a large number of manufacturing companies and it is expected that training requirements will expand due to the complexities of advanced manufacturing. • There were over 40 manufacturing-specific help wanted ads listed in the past month in the south-central North Carolina region for jobs requiring mechatronics skill sets. • Since 2008, more than 400 students have trained in non-credit manufacturing courses. The college surveyed currently-enrolled students who indicated a strong interest in a mechatronics degree program.
Surry CC	Digital Media Technology (A25210)	• Students graduating with a Digital Media Technology degree will possess entry-level qualifications for a variety of jobs including Instructional Coordinator and Instructional Designers/Technologist. The employment projections for both of those job areas are considered as "bright outlook" by O-Net nationally. • In addition to traditional job opportunities, it is noted that a career in digital media technology is especially suitable for self-employment. • The Digital Media Technology (DMT) degree could serve as an additional credential for teachers, human resource directors and human resource specialists, safety training staff, police departments, journalists, writers, and other professionals. • The DMT degree will be a beneficial recruitment tool for both Surry County economic development and Yadkin County economic development. Moreover, a DMT degree will attract businesses with media-based technology needs. • The Digital Media Technology degree will complement the mission of the NC STEM (North Carolina Science, Technology, Engineering, and Math) initiative by providing a new, innovative technology degree which will benefit high school students and provide another career path option.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
April 18, 2013 (Cont'd)		
Vance-Granville CC	Paralegal Technology (A25380)	• According to a recent VGCC survey, 297 students indicated an interest enrolling in the proposed Paralegal Technology program. • According to a local employers' survey, twenty-one of twenty-two (21 22) employers agreed that the college's service area would benefit fror having graduates from a state-approved Paralegal Technology prograr In addition, the survey indicated the availability of at least twenty-five employment opportunities over the next four years for program graduates. Employers who were surveyed included individual law offices, law firms, county clerk of courts, and local judges. • According to the US Department of Labor Statistics, employment of paralegals and legal assistants is expected to grow by 18 percent nationally from 2010 to 2020. • According to CareerOneStop.org, employment of paralegals and legal assistants is expected to grow by 28 percent in North Carolina betweer 2008 and 2018. According to CareerOutlook.US, the job growth for paralegals and legal assistants in North Carolina between 2006 and 2016 is classified as "High."
Wake Technical CC	Computer Technology Integration (A25500)	• Businesses in the service area have indicated a need to hire graduates who are well versed in the various Information Technology (IT) areas. • The proposed program will cover the new emerging technologies of IT including virtualization, data storage, and cloud computing. Such skills are currently in high demand and are expected to grow in the near future. • According to news reports, local IT companies are expected to hire additional IT professionals in the near future. NetApp plans to open 460 technology-related jobs in RTP in the next four years (WRAL.com on July 23, 2012). • In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment. • According to a recent survey conducted by WTCC, 237 out of 245 current Networking Technology and Information Systems Security students supported the proposed CTI program. According to the same survey, 226 students showed interest in enrolling in the proposed program or taking classes to enhance their IT and employability skills. • According to the US Department of Labor's Occupational Outlook Handbook, Employment of network and computer systems administrators in the US is expected to grow by 28 percent from 2010 to 2020.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College (CC)	**Curriculum Title and Code**	**Rationale for Approval**
April 18, 2013 (Cont'd)		
Wake Technical CC	Health and Fitness Science (A45630)	• The Bureau of Labor Statistics states that the "employment of fitness trainers and instructors is expected to grow by twenty-four percent from 2010 to 2020, faster than the average for all occupations." • A survey completed by Wake Tech determined there are over one hundred fitness related businesses in Wake County. Demands at the local industry level mirror national trends, with a strong commitment of support for the Health and Fitness Science degree. • Major employers in Wake County foresee a continual need of more than fifty full-time and seventy part-time health and fitness professionals a year. The reported average entry–level salary in Wake County is $30,000 a year for health and fitness staff. • According to the Bureau of Labor Statistics (2012) the median pay for fitness trainers and instructors is approximately $31,000 a year, which is on par with the median for all occupations. The top ten percent may earn as much as $63,000 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 college reported forty students are interested in Fall enrollment if the program is approved. Once the program is initiated, enrollment for Fall 2014 is expected to increase substantially.
May 16, 2013		
Cape Fear CC	Healthcare Business Informatics (A25510)	• Local businesses have indicated a need to hire graduates who are well versed in Healthcare Business Informatics. • CFCC's service area of New Hanover and Pender counties is home to numerous and diverse healthcare providers. Many of these providers have or in the process of merging with New Hanover Regional Medical Center (NHRMC) and now rely completely on NHRMC for human resources and information technology support. CFCC has built a strong relationship with NHRMC that involves providing graduates to NHRMC and its subsidiary healthcare facilities within the service area of the college. • According to the National Bureau of Labor Statistics, the field of healthcare managing and maintaining records is one of the fastest growing in the country. The number of jobs in this sector nationally in 2010 was 179,500; between 2010 and 2020 this sector is expected to add another 38,000 jobs (21% increase). • In addition to traditional job opportunities, it is noted that a career in HBI is especially suitable for self-employment. • According to a recent survey conducted by CFCC, 159 current CFCC students showed interest in enrolling in the proposed program.

Community College (CC)	Curriculum Title and Code	Rationale for Approval
Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
May 16, 2013 (Cont'd)		
Central Carolina CC	Computer-Aided Drafting Technology (A50150)	• The Department of Labor (DOL) Occupational Outlook Handbook and the DOL Occupational Network (O-NET) projected industry growth for computer-aided drafters ranging from 10-19%. • There were multiple job postings listed in March 2013 in central North Carolina for job titles that included: CAD Drafter, draftsperson, mechanical drafter, designer, drafter, design drafter, mechanical/electrical designer, CAD Designer, CAD operator, CAD/CAM Specialist, project designer, installation drafter, and SolidWorks designer. • Based on recent industry advisory committee input, the college has determined that the Computer-Aided Drafting (CAD) Technology program is better aligned to skill sets that local employers are requesting rather than the college's current program offering of Mechanical Engineering Technology (MET). If approved, the college plans to begin offering the CAD program and will terminate the MET program.
Central Carolina CC	Healthcare Management Technology (A25200)	• Businesses in the service area indicate a need for graduates that are well versed in the management aspects of the healthcare industry. • According to U.S. Bureau of Labor Statistic, employment of medical and health service managers is expected to grow by 22 percent from 2010 to 2020, faster than the average for all occupations. • According to a recent survey conducted by the college, 35 current students showed interest in enrolling in the proposed program.
Montgomery CC	Air Conditioning, Heating, and Refrigeration Technology (A35100)	• In March 2013, there were over fifty skilled trades help wanted ads in the south-central region for jobs requiring heating, ventilation, and air-conditioning, refrigeration, sheet metal workers, and related skill sets. • The U.S. Department of Labor notes that HVAC technicians and installers employment outlook is expected to increase by 34% by 2020. Job opportunities for HVAC technicians are expected to be excellent, particularly for those who have completed training at an accredited technical school or apprenticeship. • Montgomery County School supports the concept of offering a HVAC program for Career and College Program students and apprenticeships.
South Piedmont CC	Automotive Systems Technology (A60160)	• The college researched job opportunities utilizing careerbuilder.com which indicated that there were sixty-two potential positions listed within the college's planning area. • The U.S. Department of Labor projects a 17% growth increase in this career track with the best potential for employment existing for those individuals who have completed post-secondary education and have skills in hybrid fuel vehicles and computerized controls. • Letters of support were received from Union County Public Schools and Union Academy indicating that a career pathway in automotive technology is needed and that there is student interest in pursuing the pathway.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
May 16, 2013 (Cont'd)		
South Piedmont CC	Therapeutic Massage (A45750)	• With 153,700 jobs in 2010, the projected growth is 20%, and the median pay is reported at 34,900 annually or $16.78 per hour. Employment of Massage Therapist is expected to grow by twenty percent from 2010-2020, faster than average for all occupations. (*U.S. Bureau of Labor Statistics*) • The North Carolina Occupational Trends Report indicates anticipated growth for Massage Therapist between 2008-2018 in the Centralina Workforce Development Board. The Centralina Workforce Development Board is composed of the following counties: Anson, Cabarrus, Iredell, Lincoln, Rowan, Stanly, and Union. *(Division of Employment Security/NC Department of Commerce)* • Massage Therapists are employed on a full-time, part-time or contractual basis by employers and individuals, or they are self-employed. • A survey completed by SPCC determined Union County employers were projecting a thirty-three percent increase in job openings in the next three to five years. • SPCC reports the majority of their graduates find employment within the region.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2013		
Asheville-Buncombe Technical CC	Brewing, Distillation, and Fermentation (A15250) (*New to the System*)	• The Asheville region will be adding the new production and distribution facilities of New Belgium Brewing (America's third largest craft brewer) which should bring over 154 jobs to their brewery site by 2015. In addition to the brewery, the company will build an east coast distribution warehouse, hospitality tasting room and European-style beer garden. The average wage for New Belgium Brewing employees will exceed $50,000 annually. • According to the Asheville Chamber of Commerce, an additional 260 jobs, related to the industry, will be added by industry vendors/suppliers who could generate an additional $18.3 million annually in local paychecks and $30.2 million additional local, state and federal taxes *(2012 Economic Impact Analysis Project-Asheville Chamber)*. • Several distillery operations are now located in the college's service area. • Asheville is home to the Highland Brewery, the largest microbrewery in Asheville and in the top four in microbrew sales throughout the Southeast. ABTCC's service area is also home to 13 craft breweries. • For the fourth consecutive year, Asheville was awarded the national title of Beer City USA, as voted by the readers of examiner.com. • Local brewers have expressed their need for additional skilled and qualified employees to support their individual growth plans. They have worked in collaboration with the college in the development of the proposed program. • In March of 2013, thirty-eight CE students enrolled in brewing classes were surveyed regarding need for further education. Of the group, 74% responded with strong interest in pursuing an Associate of Applied Science degree in Brewing, Distillation and Fermentation. • Economic Modeling Specialists, Int. (EMSI) projects a 237% regional increase in brewery jobs between 2008 and 2012. EMSI has also identified job growth for Buncombe and Madison counties in several beverage-related industries (2010-2020).

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2013 (Cont'd)		
Beaufort County CC	Health and Fitness Science (A45630)	• According to the Eastern Carolina Workforce Development Board, fitness trainers and aerobics instructors were identified as the sixth fastest growing occupation in eastern N.C. Between 2012-2020, the Employment Security Commission LMI projects a twenty percent average job growth in Beaufort County and an overall twenty-four percent job growth in the State. • Of the eight hundred and ninety-three students surveyed in area high schools, early college high schools, and current BCCC students enrolled in the *HEA 110 Personal Health and Wellness* course, there are two hundred and forty- nine students interested in the program. • Currently, North Carolina ranks ninth in the nation in the total number of people employed as Fitness Trainers or Aerobic Instructors. Graduates from the Health and Fitness Science program would qualify to hold these positions. • The population of BCCS's service area, age 65 and older, is projected to increase by nearly forty percent by the year 2023, to comprise 25.8% of the projected total service-area population of 73,935 (BCCC Institutional Effectiveness Plan). Concurrent with this demographic trend will be the need for skilled individuals to address the wellness needs of an aging population. • Both the 2011, Beaufort County Community Health Assessment and the Hyde County Community Health Assessment ranked weight management and obesity as 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.
Blue Ridge CC	Brewing, Distillation, and Fermentation (A15250) (*New to the System*)	• Two major brewing companies, Oskar Blues and Sierra Nevada, the second largest Craft Brewing Company in the nation, have announced plans that they will locate in the region. • It was determined that employees required skill sets in the areas of electronics, programmable logic controls, automation, packaging, maintenance, and hydraulics, as well as skills associated with brewing fermented products. • In spring of 2013, BRCC's continuing education department registered 187 students for courses in the Craft Beer Academy. • Letters of support from Oskar Blues Brewery, Sierra Nevada Brewing Company, Southern Appalachian Brewery, and Brevard Brewing Company indicate that the companies are willing to hire adequately prepared graduates of the BDF program. These companies are expecting to see significant growth in upcoming years.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2013 (Cont'd)		
Catawba Valley CC	Health and Fitness Science (A45630)	• An employer survey, completed within the college's service area, determined the following: four full-time and twenty-two part-time jobs currently available, eleven full-time and twenty part-time jobs available in 2014, and twenty-five full-time and twenty part-time jobs available in 2015. • Prospective employees in the Health and Fitness Industry are competitive when they achieve a national certification. CVCC has chosen to offer American College of Sports Medicine (ACSM) certification, which is a nationally recognized certification. • A survey completed by students enrolled in the area high schools indicated there are one hundred and twenty-two students interested in the Health and Fitness Science program.
Davidson County CC	Computer Technology Integration (A25500)	• The program advisory board, representing IT industry in the college's service area, have indicated a need to hire graduates who are well versed in the various Information Technology (IT) areas. • The CTI program contains four technical tracks that include computer information technology, networking technology, information systems security, and web technologies. Several certificates and diplomas will be developed to meet the needs of the local industry and cover relevant IT industry certifications. This will allow the proposed program to replace the Computer Information Technology (A25260), Networking Technology (A25340), Information Systems Security (A25270), and Web Technologies (A25290) programs and provide better alignment with the IT industry. • 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 that jobs related to computer support will increase by 13%, network administration will increase by 24%, and web development will increase by 18% through 2020 in North Carolina. • The U.S. Department of Labor Statistics reports that computer occupations are expected to increase by 22 percent from 2010 to 2020. Projected growth includes 22 percent growth for Computer Systems Analysts, 31 percent growth for Database Administrators, 22 percent for Information Security Analysts, Web Developers, and computer Network Architects.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2013 (Cont'd)		
Durham Technical CC	Emergency Medical Science (A45340)	• The need for Paramedics continues to grow. Orange County anticipates hiring between twenty-four to thirty Paramedics over the next three years. • Durham Technical Community College currently offers Emergency Medical Science (EMS) through their continuing education program. In the past three years, Durham Tech has had 1,008 EMS students complete their continuing education program at one of the three levels (EMT- Basic, EMT-Intermediate or Paramedic). • Durham County EMS representatives expressed a strong need for the Associate Degree in EMS. They noted that graduates will be able to assume leadership responsibilities. Both Durham and Orange county EMS representatives noted that the EMS degree will provide North Carolina citizens with highly qualified personnel. • The U.S. Bureau of Labor Statistics predicts that "employment of emergency medical technicians and paramedics is expected to grow by thirty-three present from 2010 to 2020, much faster than the average for all occupations. Emergencies such as car crashes, natural disasters, and violence will continue to create demand for EMTs and paramedics. Growth in the middle-aged and elderly population will lead to an increase in demand for EMTs and paramedic services."
Edgecombe CC	Computer Technology Integration (A25500)	• Businesses in the service area have indicated a need to hire graduates who are well versed in the various Information Technology (IT) areas. • The CTI program contains four technical tracks that include computer information technology, networking technology, information systems security, and web technologies. Several certificates and diplomas will be developed to meet the needs of the local industry and cover relevant IT industry certifications. This will allow the proposed program to replace the current Computer Information Technology (A25260) and Networking Technology (A25340) programs and provide better alignment with the IT industry. • In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment. • According to a recent survey conducted by ECC, 31 out of 39 (80%) current IT students were interested in the opportunities found within the proposed CTI program. • According to careerinfonet.org, employment trends show that jobs related to computer support will increase by 13%, network administration will increase by 24%, and web development will increase by 18% through 2020 in North Carolina. • The U.S. Department of Labor Statistics reports that computer occupations are expected to increase by 22 percent from 2010 to 2020. Projected growth includes 22 percent growth for Computer Systems Analysts, 31 percent growth for Database Administrators, 22 percent for Information Security Analysts, Web Developers, and computer Network Architects.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2013 (Cont'd)		
Piedmont CC	Computer Technology Integration (A25500)	• Businesses in the service area have indicated a need to hire graduates who are well versed in the various Information Technology (IT) areas. • The CTI program contains four technical tracks that include computer information technology, networking technology, information systems security, and web technologies. Several certificates and diplomas will be developed to meet the needs of the local industry and cover relevant IT industry certifications. This will allow the proposed program to replace the Computer Information Technology (A25260), Networking Technology (A25340), Information Systems Security (A25270), and Web Technologies (A25290) programs and provide better alignment with the IT industry. • In addition, the CTI program will enable students to sit for several IT industry certifications including, CompTia: (A+, Network +, Security +), Microsoft Office Specialist (MOS), Microsoft Technology Associate (MTA), and the Microsoft Certified Systems Administrator (MCSA). • According to the North Carolina Department of Commerce Workforce Assessment Report (2011-2020), the demand for Information Technology jobs in the labor force is among one of the target industry clusters for the central region. The occupational outlook indicates an 18% increase in Information Technology jobs from 2010 to 2020. • According to careerinfonet.org, employment trends show that jobs related to computer support will increase by 13%, network administration will increase by 24%, and web development will increase by 18% through 2020 in North Carolina. • The U.S. Department of Labor Statistics reports that computer occupations are expected to increase by 22 percent from 2010 to 2020. Projected growth includes 22 percent growth for Computer Systems Analysts, 31 percent growth for Database Administrators, 22 percent for Information Security Analysts, Web Developers, and computer Network Architects. • In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment.
Piedmont CC	Health Care Technology (Certificate) (C45350)	• Thirty-four students currently enrolled in the *NAS 101 Nursing Assistant I* course at PCC expressed interest in the program. • The health care job sector is predicted to grow in the college's service area. Between 2008-2018, the Kerr-Tar Workforce Development Board published the following data: 470 job openings for the Home Health Aides, 100 job openings for the Personal and Home Care Aides, and 40 job openings for Nurse Aides, Orderlies and Attendants. Graduates from the Health Care Technology program would qualify for these job positions. • Graduates from the Health Care Technology program will have additional skills and knowledge in basic phlebotomy, EKG, basic respiratory skills and restorative care.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2013 (Cont'd)		
Piedmont CC	Historic Preservation Technology (A35110)	• There are over ninety local historic preservation commissions in North Carolina. Many of these employ professional staff with backgrounds in restoration planning. In 2011, North Carolina was ranked third in the U.S. in the number of completed renovations. • Ghostmark Restoration, Person County Museum of History, and Preservation North Carolina indicated the need for skilled historic preservation craftspeople and workers to fill jobs in the historic preservation industry. • The N.C. Main Street Program and Small Town Main Street programs, which are administered by the NC Department of Commerce, support economic development involving historic restoration and rehabilitation projects across the state. Caswell and Person counties have over thirty historic places listed on the national registry. • The Department of Labor (DOL) Occupational Outlook Handbook and the DOL O-NET projected construction industry growth for 2010-20 between 10-25%. • Student interest surveys indicated positive interest in the Historic Preservation Technology program.
Randolph CC	Central Sterile Processing (Certificate) (C45180)	• According to the U.S. Bureau of Labor Statistics, medical equipment preparers in the U.S. are expected to grow by seventeen percent (8,600 jobs) during the current decade. An average of fifty job openings a year is projected in N.C. due to growth and net replacement. • As of 2010, the median annual pay for medical equipment preparers was $29,490. *(U.S. Bureau of Labor Statistics)* • Asheboro City Schools has created a Health Sciences Academy, a small learning community, dedicated to providing students experiences/preparation within health care. Through partnering with Randolph Community College, students will gain valuable education and skills.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	Curriculum Title and Code	Rationale for Approval
July 18, 2013 (Cont'd)		
Randolph CC	Health Care Technology (Certificate) (C45350)	• Randolph Community College offers the Nursing Assistant program. Students entering the Health Care Technology program must be listed on the Nursing Assistant I Registry and have documentation of successful completion of a Nursing Assistant I program. The Health Care Technology program will offer the Nursing Assistant I the opportunity to acquire new skills and qualify for better paying positions. • Employment of nursing aides, orderlies, and attendants is expected to grow by twenty percent from 2010 to 2020, which is faster than the average for all occupations. • Asheboro City Schools has created a Health Sciences Academy, a small learning community, dedicated to providing students experiences/preparation within health care. Through partnering with Randolph Community College, students will gain valuable education and skills. • Graduates from the Health Care Technology program will have additional skills and knowledge in basic phlebotomy, EKG, basic respiratory skills and restorative care.
Randolph CC	Phlebotomy (Certificate) (C45600)	• According to the U.S. Bureau of Labor Statistics, the employment of medical laboratory technologists, which include phlebotomy technicians, is expected to grow by fifteen percent between 2010 and 2020, about as fast as the average for all occupations. • An increase in the aging population will lead to a greater need to diagnose medical conditions, such as cancer or type 2 diabetes, through laboratory procedures. Medical laboratory technologists and technicians will be needed to use and maintain the equipment needed for diagnosis and treatment. *(U.S. Bureau of Labor Statistics)* • The Regional Partnership Workforce Development Board projects ninety-one job openings between 2013 and 2017 for phlebotomy technicians. • Asheboro City Schools has created a Health Sciences Academy, a small learning community, dedicated to providing students experiences/preparation within health care. Through partnering with Randolph Community College, students will gain valuable education and skills.
Rockingham CC	Brewing, Distillation, and Fermentation (A15250) (*New to the System*)	• MillerCoors, with more than 670 employees, is the largest employer in Rockingham County. Piedmont Distillers is also located within the college's service area. • Since 2012 the college has offered courses in brewing, fermentation, and distillation to more than 120 students through continuing education. • The City of Eden has donated a downtown space to the college to establish an off-campus brewery. • Graduates of the program will have the opportunity to earn brewing qualifications from the Institute of Brewing & Distilling, an international professional organization.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2013 (Cont'd)		
Vance-Granville CC	Computer Technology Integration (A25500)	• The proposed Computer Technology Integration (CTI) program will meet the needs of current and prospective students at VGCC. In addition, high-schools in the service area were involved in the planning process and are supportive of the proposed CTI program. • The CTI program contains four technical tracks that include computer information technology, networking technology, information systems security, and web technologies. Several certificates and diplomas will be developed to meet the needs of the local industry and cover relevant IT industry certifications. This will allow the proposed program to replace the current Computer Information Technology (A25260), Information Systems Technology (A25270), Web Technologies (A25290) and Networking Technology (A25340) programs and provide better alignment with the IT industry. • 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 that jobs related to computer support will increase by 13%, network administration will increase by 24%, and web development will increase by 18% through 2020 in North Carolina. • According to the US Department of Labor Statistics, employment of network and computer systems administrators is expected to grow by 28% from 2010 to 2020, which is faster than the national average for most occupations. The median salary for these positions is $46,000 per year.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
July 18, 2013 (Cont'd)		
Wilson CC	Computer Technology Integration (A25500)	• Businesses in the service area have indicated a need to hire graduates who are well versed in the various Information Technology (IT) areas. The addition of the program is supported by the City of Wilson, Wilson Police Department, and Computer Central of Wilson, Inc. • The CTI program contains four technical tracks that include computer information technology, networking technology, information systems security, and web technologies. Several certificates and diplomas will be developed to meet the needs of the local industry and cover relevant IT industry certifications. This will allow the proposed program to replace the current Computer Information Technology (A25260), Computer Programming (A25130), Information Systems Security (A25270), Networking Technology (A25340) and Simulation and Game Development (A25450) programs and provide better alignment with the IT industry. • According to a recent survey of 100 students taking CIS classes at WCC, 80 students showed interest in taking a track under the program. • Several industry certifications will be offered under the proposed program. IT certificates include, Cisco Certified Netwok Associate (CCNA), CompTIA A+, CompTIA Green IT, CompTIA Network+, CompTIA Security+, Microsoft Office Specialist (MOS), and Microsoft Technology Associate (MTA). • According to a job search conducted in April 2013, twenty-two IT related jobs were found in the college's service area. • In addition to traditional job opportunities, it is noted that a career in IT is especially suitable for self-employment. • According to the North Carolina Employment Security Commission, the average entry level hourly pay for jobs in the computer and networking fields in 2012 for Wilson County was $17.20-$29.95. • According to careerinfonet.org, employment trends show that jobs related to computer support will increase by 13%, network administration will increase by 24%, and web development will increase by 18% through 2020 in North Carolina. • The U.S. Department of Labor Statistics reports that computer occupations are expected to increase by 22 percent from 2010 to 2020. Projected growth includes 22 percent growth for Computer Systems Analysts, 31 percent growth for Database Administrators, 22 percent for Information Security Analysts, Web Developers, and computer Network Architects.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
September 19, 2013		
Davidson County CC	Digital Media Technology (A25210)	• Businesses in the planning area have indicated a need to hire graduates who are well versed in the various digital media areas. • DCCC currently offers the Advertising and Graphic Design program through an Instructional Service Agreement with Surry Community College. Student's interest and employment needs appear more specific to the digital media content included in this program. DCCC would like to terminate the Advertising and Graphic Design program and focus on Digital Media. • Career and College Promise programs will be developed for digital media, so high school students may earn college credit in their Junior and Senior years. It is projected that 50 students will be in the program by Fall 2015. • According to northcarolinajobnetwork.com, there are 39 currently open positions in career fields related to multimedia and digital media technologies within a 50 mile radius of Lexington and Mocksville. • According to careerinfonet.org, employment trends in North Carolina show that jobs related to graphic designers will increase by 13%; multimedia artists and animators will increase by 15%; and information security analysts, web developers and computer network architects by 18% through 2020. • The North Carolina Occupational Projections (2010-20) reflects a 1.2 annualized growth rate. (NC Department of Commerce) • In addition to traditional job opportunities, it is noted that a career in Digital Media is especially suitable for self-employment.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
September 19, 2013 (Cont'd)		
Durham Technical CC	Biomedical Equipment Technology (A50100)	• The Department of Labor (DOL) Bureau of Labor Statistics projected medical equipment technician job growth for 2010-20 at 31%, much faster than average job growth.
		• Beginning in 2009, DTCC has successfully offered a Biomedical Track under the Electronics Engineering Technology (A40200) curriculum program to meet the needs of local hospitals. The college stated that students have successfully found employment in local industries.
		• The college stated that employment need surveys were conducted indicating strong demand for biomedical equipment training in the college's service area. The results indicate fifty-one job openings in 2012; fifty-four in 2013; and fifty-three in 2014.
		• The college reported that the health care sector is now the largest employment sector in the state. According to the 2010 North Carolina Hospital Association Workforce Report, over 550,000 or 15% of all North Carolinians now work in this sector. Modern health care relies on complex medical equipment for the diagnosis and monitoring of patients thus creating additional demand for the maintenance and service of that equipment.
		• Durham and Orange counties are home to large health care organizations with a continuous need for skilled workers. Duke University Health System is the largest employer in Durham County and the University of North Carolina Health Care is the second largest employer in Orange County.
		• The median pay for the profession is $44,490 per year.
October 18, 2013		

Carteret CC	Healthcare Business Informatics (A25510)	• Businesses in the service area have indicated a need to hire graduates who are well versed in Healthcare Business Informatics. • Due to new regulations by the Federal Electronic Medical Records Mandate, healthcare providers will be required to keep electronic health records. As a result of this mandate, the healthcare providers in Carteret County will need access to employees who have skills to install programs, manage data, and design and support systems for the medical information system. • The Employment Security Commission of North Carolina reports that in 2013 there were 1,180 jobs in medical records and other related fields in the state. • According to an online job search conducted by CCC in September, there were 27 job openings in the college's service area. • In addition to traditional job opportunities, it is noted that a career in Healthcare Business Informatics is especially suitable for self-employment. • According to a recent survey conducted by CCC, 42 out of 57 students taking computer related courses, showed an interest in enrolling in the proposed program.

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

Community College	Curriculum Title and Code	Rationale for Approval
October 18, 2013 (Cont'd)		
Southwestern CC	Occupational Therapy Assistant (A45500)	• According to the 2010 Census, twenty-eight percent of the population in Jackson, Macon and Swain counties are age 50 and older. Aging populations are at risk for illness and injury such as stroke and hip fractures. Short-term rehabilitation stays in local skilled nursing facilities requires care provided by physical and occupational therapy professionals. • The Center for Disease Control indicates that one in thirty-three children will be born with some type of birth defect, which will require the services of an occupational therapy professional. • According to area hospital personnel, occupational therapy assistant positions are remaining vacant due to the lack of trained professionals for the positions. Southwestern Community College's Occupational Therapy Assistant advisory committee affirmed the need. The Occupational Therapists reported they had OTA positions which were unfilled for over a year and in some cases are no longer posting OTA positions. • According to the U.S. Bureau of Labor Statistics, the employment rate of OTA's has increased by 4.6 percent in North Carolina from 2011-2012. This annual rate for North Carolina is slightly higher than national predictions from the Occupational Handbook which forecasts employment of Occupational Therapy Assistants is expected to increase by forty-three percent from 2010 to 2020, much faster than the average for all occupations."

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
November 15, 2013 (Cont'd)		
Nash CC	Brewing, Distillation, and Fermentation (A15250) (*New to the System*)	• Local government supports the addition of the Brewing, Distillation, and Fermentation program as a critical piece of the revitalization for Nash County. The college provided letters of support from the following which indicate that the addition of the program will provide county officials with a valuable marketing tool to attract businesses associated with the industry into the community: Rocky Mount Area Chamber of Commerce, Mayor of Rocky Mount, Mayor of Nashville, City Manager (Rocky Mount), and Carolina's Gateway Partnership. • In seeking to revitalize the city of Rocky Mount, the city Manager's office has emphasized the establishment of restaurants. In particular, microbreweries have assisted growth in several small and large communities in North Carolina. The City of Rocky Mount believes that the new program will be beneficial to this effort. • Nash currently offers the Culinary Arts and Hospitality Management programs. The addition of the BDF program will bring the opportunity for additional certifications which will increase the student's skills, knowledge and employability. • Nash currently offers beer making classes as part of their continuing education courses. The class has been very successful and has prompted student interest in the BDF curriculum program. • NCC surveyed students that are currently in the culinary program, beer making courses (continuing education) and their study skills course. Fifty-nine students indicated interest in enrolling in the BDF curriculum program. • The Brewing, Distillation and Fermentation (BDF) program will provide students the opportunity to become involved in one of the fastest growing industries in the state of North Carolina. The number of breweries has increased 259% in the last decade alone, and has grown from the first brewpub opening in 1986 to 61 craft brewers across the state.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
November 15, 2013 (Cont'd)		
Pamlico CC	Human Services Technology (A45380)	• Between 2006-2016, the Employment Security Commission LMI projects 8,340 social and human service assistant position openings in North Carolina an overall sixty-six percent job growth. • A September 2013 employer survey, which included thirty-eight human service agencies i.e. mental health, child care, social services, public health, education and eldercare within Pamlico's service area determined the following: eleven agencies currently have job vacancies and twelve agencies reported they anticipate job vacancies for the first graduates of the Human Service Technology program. Eighty-eight percent of the survey respondents indicated they would prefer a candidate with a degree in Human Service Technology. • One hundred and thirty students from Career and College Pathways, and current PCC students enrolled in Medical Assisting, Medical Office Administration, Nursing Assistant (Continuing Education), and Adult Basic Education programs were surveyed. Seventy-five students indicated interest in the program. • Local employers, including Pamlico County Human Services Center, Pamlico County Health Department, and psychologist offices, are supportive of the program. • In 2011, the Eastern Carolina Council completed a study for the Bayboro Small Town Economic Prosperity Initiative. The study identified a need to train workers, businesses and agencies on how to work with the elderly. The Director of Economic Development for Pamlico County expressed that the Human Services Technology program at PCC would meet these identified concerns.

Appendix A: Traditional Curriculum Program Approvals by State Board of Community Colleges Approval Date		
Community College	**Curriculum Title and Code**	**Rationale for Approval**
November 15, 2013 (Cont'd)		
Richmond CC	Dialysis Technology (Diploma) (D45300)	• In 2008, the North Carolina Institute of Medicine noted, "In North Carolina alone, there are just under one million people with chronic kidney disease (CKD). This figure does not include the approximately 11,000 people with kidney failure, which is the most severe form of CKD. Kidney failure, or end-stage kidney disease (ESKD), requires the patient to undergo kidney transplant or dialysis." • In 2010, the Center for Medicare & Medicaid Services began requiring certification of all Patient Care Dialysis Technicians (PCTs) employed in dialysis facilities. RCC's program will provide the educational training to prepare students to sit for their examination. • An employer survey completed within their service area by the Allied Health Department Chair determined the following: ten jobs currently available and twenty-two jobs are projected to be available for their first graduating class. (The projected increase in jobs is associated with Da Vita, Inc. submitting a certificate of need to the State to increase their treatment capacity and also the hospital submitting a petition for in-house dialysis beds.) • As of June 19, 2013, one hundred and ninety-one dialysis technician jobs in North Carolina were posted on the *Indeed* website. • According to the U. S. Bureau of Labor Statistics, the employment of dialysis technicians/patient care technicians is expected to grow by thirteen percent between 2010 and 2020, about as fast as the average for all occupations. • Da Vita, Inc. and Fresenius are the major dialysis employers in the service area. Da Vita, Inc. has committed their facilities as a clinical site for RCC's students and has agreed to provide assistance in securing jobs for their graduates. Da Vita, Inc. provided letters of support from their Regional Operations Director, Regional Operations Coordinator, and Group/Facility Administrators, and Medical Director. • Of the twenty-six RCC pre-health science students surveyed during the summer registration, fourteen students indicated they were interested in enrolling in the program.

Appendix B: Special Curriculum Program Approvals by State Board of Community Colleges Information Date	
Community College	**Curriculum Title and Code**
February 14, 2013	
Randolph Community College	Business Administration/Customer Service (A2512B)
Wake Technical Community College	Associate in Fine Arts (A10200)
March 14, 2013	
Wilson Community College	Alternative Transportation Technology (D60420)
Wilson Community College	Automotive Light Duty Diesel Technology (D60430)
April 18, 2013	
College of The Albemarle	Business Administration/International Business (A2512D)
South Piedmont Community College	Associate in Fine Arts (A10200)
South Piedmont Community College	Web Technologies (A25290)
May 16, 2013	
Bladen Community College	Associate in Science (A10400)
Central Carolina Community College	Welding Technology (A50420)
Gaston College	Esthetics Technology (Certificate) (C55230)
Pitt Community College	Entrepreneurship (A25490)
Southeastern Community College	Sustainability Technologies (A40370)
July 18, 2013	
Edgecombe Community College	Business Administration/Shooting and Hunting Sports Management (A2512J)
Montgomery Community College	Human Services Technology/Developmental Disabilities (A4538A)
Pitt Community College	Alternative Transportation Technology (D60420)
Pitt Community College	Automotive Light-Duty Diesel Technology (D60430)
August 15, 2013	
Vance-Granville Community College	Human Services Technology/Gerontology (A4538B)

Appendix C: Instructional Service Agreements (Level III) By Month of Approval		
Curriculum Title and Code	**Host College**	**Participating College**
January 2013		
Interior Design (A30220)	Carteret Community College	Coastal Carolina Community College
February 2013		
Simulation and Game Development (A25450)	Wake Technical Community College	Vance-Granville Community College

Appendix D: Curriculum Program Terminations by State Board of Community Colleges Date

Community College (CC)	Curriculum Title and Code	College Rationale for Termination
January 18, 2013		
Rowan-Cabarrus CC	Agricultural Biotechnology (A20110)	The college anticipated that North Carolina State University would build a greenhouse for joint usage. This was not possible due to budget reductions. Consequently, the college never offered any of the courses in this program.
March 14, 2013		
Craven CC	Sustainable Agriculture (A15410)	The lack of viable employment opportunities and a weak prognosis for attracting students contributed to the decision to terminate the program.
Fayetteville Technical CC	Criminal Justice Technology/Financial Crime/Computer Fraud (A5518B)	There were not enough employment opportunities within the college's service area for individuals possessing the level of financial crime or computer fraud skills associated with the program. This resulted in low interest as well as low enrollment.
Pitt CC	Information Systems Security (A25270)	This program had not been offered recently due to the current economic trends in the college's service area.
Rowan-Cabarrus CC	Manicuring Instructor (C55380)	There were not many positions for Manicuring Instructors because Cosmetology Instructors can teach Manicuring.
May 16, 2013		
Cape Fear CC	Manicuring/Nail Technology (Certificate) (C55400)	Low Enrollment. The program will be moved to Continuing Education.
Vance-Granville CC	General Occupational Technology (A55280)	Low Enrollment due to low student interest

Appendix D: Curriculum Program Terminations by State Board of Community Colleges Date		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
July 18, 2013		
Asheville-Buncombe Technical CC	Carpentry (Diploma) (D35180)	Low Enrollment. Carpentry will be replaced by the new Construction Management Building Science diploma program which incorporates more building science related courses.
Asheville-Buncombe Technical CC	Human Services Technology/Social Services (A4538D)	Low enrollment. Entry-level positions were not available in the service area's workforce for the AAS Social Services graduate.
Cape Fear CC	Medical Transcription (Diploma) (D25320)	No Enrollment. There were insufficient employment opportunities for Medical Transcription graduates in the college's service area.
September 19, 2013		
Piedmont CC	Business Administration/Electronic Commerce (A2512I)	Low Enrollment: There were insufficient employment opportunities for individuals graduating from this program in the college's service area.
Piedmont CC	Facility Maintenance Technology (A50190)	Low Enrollment: There was a decline in the enrollment in the program over the past three years due to a depressed job market.
Piedmont CC	School Age Education (A55440)	Low Enrollment: The enrollment in the program steadily declined over the past five years due to limited teacher assistant positions.
Robeson CC	Lateral Entry (Certificate) (C55430)	Low Enrollment: Public school teachers had other options to get credit for the coursework that is required to be a lateral entry teacher, which are less expensive and shorter in duration.

Appendix D: Curriculum Program Terminations by State Board of Community Colleges Date		
Community College (CC)	**Curriculum Title and Code**	**College Rationale for Termination**
October 18, 2013		
Martin CC	Carpentry (Diploma) (D35180)	No Enrollment: Decline in building projects/permits in the service area due to economic downturn.
Sandhills CC	Golf Equipment Technician (Diploma) (D15210)	Low Enrollment: The program was never offered. Demand is no longer needed in this area.
November 15, 2013		
Martin CC	Lateral Entry (Certificate) (C55430)	No Enrollment: The lack of student interest and difficulty in establishment of agreements to jointly offer the program resulted in the decision to terminate the program.

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

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

- Community Spanish Interpreter (A55370)
- 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 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 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 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 for automatic approval, but requires that the college have prior approval for the Automotive Systems Technology (A60160) program:

- Alternative Transportation Technology (D60420)
- Automotive Light-Diesel Technology (D60430)

The following curriculums have been approved by the State Board of Community Colleges 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 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 F:
Contact Information

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

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