STATE BOARD OF COMMUNITY COLLEGES
CURRICULUM PROGRAM APPLICATIONS
Fast Track for Action [FTFA*]

Request: The State Board of Community Colleges is asked to approve the curriculum programs at the listed colleges on the condition that equipment funds are available to the college and operating funds generated by the budget formula will permit the offering of this program without any special allocation of funds.

Blue Ridge Community College
Emergency Management (A55460)

Central Carolina Community College
Occupational Education Associate (A55320)

Martin Community College
Criminal Justice Technology (A55180)

Mayland Community College
Practical Nursing (Diploma) (D45660)

Mitchell Community College
Emergency Medical Science (A45340)

Wake Technical Community College
Mission Critical Operations (A40430)

Background: Program applications must meet the following criteria in order to be placed on the Fast Track For Action (FTFA) program approval request presented to the State Board of Community Colleges as part of the consent agenda:

- The curriculum program title currently exists within the System and does not require the creation of a new program title and new curriculum standard;
- The application is complete, requires no further analysis or documentation, and has the endorsement of Academic Programs;
- There are no negative impact assessments from other colleges; and
- The college does not go outside of its service area for planning purposes.

Contact:
Ms. Jennifer Frazelle
Director

PROGRAM APPLICATION
SUMMARY EVALUATION REPORT
Blue Ridge Community College Community College
Emergency Management (A55460)

Program Planning: Blue Ridge Community College is seeking approval for the Emergency Management (A55460) program to begin Fall, 2016. The planning area is defined as the college's service area of Henderson and Transylvania counties. All colleges were notified of the planning process for this program.

The proposed program was approved by the Board of Trustees at Blue Ridge Community College on March 11, 2016. Minutes from this Board meeting were attached to the program application. The President and the Board of Trustees of Blue Ridge Community College have certified the following:

- The proposed 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.
- They have assessed the need for the proposed program and the resources required to maintain a viable program and certify that the college can operate the proposed program efficiently and effectively within the resources available to the college.
- The college will complete a program accountability report including student success measures, enrollment trends, completion rates, and employment data three years after implementation of the program.

Program Rationale: Blue Ridge Community College (BRCC) indicates the following:

- BRCC offers coursework in fire and emergency medical services through curriculum and occupational extension. The College reported 11,447 students enrolled in Fire and Technical Rescue courses between 2010 and 2015, and they reported 887 students enrolled in emergency medical services classes during the same time period.
- Terrorist attacks and multiple natural disasters reverberate through both public and private sector organizations. As a result, spending directed at emergency management and disaster mitigation has increased. This increased spending has increased the 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)

- *Nationally, the employment of Emergency Management Directors is projected to grow eight percent from 2012 to 2022, about as fast as the average for all occupations. Employment of Emergency Management Directors is expected to grow the fastest in hospitals, schools, and private companies. For example, Emergency Management Directors is projected to grow by eighteen percent in health care and social assistance and twenty-two percent in the professional, scientific, and technical services industries from 2012 to 2022*. (Bureau of Labor Statistics, U.S. Department of Labor)

- The Director of Staff Development and Training with the NC Department of Public Safety (DPS) indicated *they are the single-largest agency in NC, with over 26,000 full-time employees in both sworn/certified and civilian positions. We believe the creation of this associate degree program will benefit emergency management, fire departments, emergency medical services, and criminal justice agencies by providing a better educated applicant pool, a more efficient work force, and a safer North Carolina.*

- The Director of Emergency Services for Transylvania County noted *Western NC is in need of an emergency management program as this will complement existing agency programs within the area.*

- Letters of support for the program were submitted to BRCC by Henderson County Emergency Services, Transylvania County Emergency Services and the Director of the Emergency and Disaster Management Program at Western Carolina University.

- BRCC plans to offer courses to local high school students through Career and College Promise. The Emergency Management curriculum would provide these students with a foundation of technical and professional knowledge needed for emergency services delivery.

Impact of the Proposed Program on Other Programs: Thirteen community colleges are approved to offer the Emergency Management program. The colleges are not located in a contiguous county to Blue Ridge Community College, therefore, an **impact assessment was not required.**

Implementation of Collaborative Plan: Not Applicable

Curriculum Design: The proposed program of study is in compliance with the State Board approved curriculum standard.

Curriculum Description as Designated on Curriculum Standard: *The Emergency Management curriculum is designed to provide students with a foundation of technical and professional knowledge needed for emergency services delivery in local and state government agencies. Study involves both management and technical aspects of law enforcement, fire protection, emergency medical services, and emergency planning.*

Course work includes classroom and laboratory exercises to introduce the student to various aspects of emergency preparedness, protection, and enforcement. Students will learn technical and administrative skills such as investigative principles, hazardous materials, codes, standards, emergency agency operations, and finance.

Employment opportunities include ambulance services, fire/rescue agencies, law enforcement agencies, fire marshal offices, industrial firms, educational institutions, emergency management offices, and other government agencies. Employed persons should have opportunities for skilled and supervisory-level positions.

Contact:
Ms. Renee Batts
Associate Director

PROGRAM APPLICATION
SUMMARY EVALUATION REPORT
Central Carolina Community College
Occupational Education Associate (A55320)

Program Planning: Central Carolina Community College is seeking approval for the Occupational Education Associate (A55320) program to begin Spring, 2017. The planning area is defined as the college's service area of Chatham, Harnett, Lee Counties. All colleges were notified of the planning process for this program.

The proposed program was approved by the Board of Trustees at Central Carolina Community College on October 21, 2015. Minutes from this Board meeting were attached to the program application. The President and the Board of Trustees of Central Carolina Community College have certified the following:

- The proposed 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.
- They have assessed the need for the proposed program and the resources required to maintain a viable program and certify that the college can operate the proposed program efficiently and effectively within the resources available to the college.
- The college will complete a program accountability report including student success measures, enrollment trends, completion rates, and employment data three years after implementation of the program.

Program Rationale: Central Carolina Community College (CCCC) indicates the following:

- Prospective secondary school teachers who possess considerable trade and/or industrial skills/experience, yet lack credentialing required to fulfill lateral entry requirements, are required to take education courses prescribed by the Department of Public Instruction (DPI) and their Local Education Agency (LEA).

- Central Region CTE Directors indicated significant need for the greater access to lateral entry courses for their CTE faculty in a survey conducted by CCCC. Response data highlights include:
    - Roughly 31% of the aggregated CTE faculty employed by respondents' districts were engaged in, or in need of, lateral entry training.
    - Approximately 67% reported "finding courses" or "course offerings" as the greatest obstacle to lateral entry credentialing for CTE teachers in their respective districts.
    - Approximately 67% indicated that a trade/industrial skill was among the hardest CTE teaching specialty in which to hire/retain faculty.

  - Open-ended comments indicated enhanced access and more proximate offerings and student services would be desired and appreciated by secondary education faculty seeking to meet licensure requirements.

- Employment demand for CTE teachers in the prosperity zones served by CCCC (North Central Region and Sandhills Region) is projected to increase 10.4% until 2022, with 75 annual vacancies on average. (North Carolina Department of Commerce)

- In Fall 2015, a total of 158 potential Occupational Education applicants were identified at Central Carolina Community College via a Program Planning Survey for New Academic Programs.

- Funds to cover the costs of instructional design and development of EDU-prefixed courses specific to the proposed program are allocated within the 2015-2016 institutional budget and are planned for the 2016-2017 budget, as well. Program implementation will require no dedicated physical facilities or equipment.

- The CTE Director of Harnett County Schools, provided a letter of support for the Occupational Education Associate program and has also been involved in the development of the program - serving as a liaison between CCCC and the Central Region CTE Directors group, and by referring prospects seeking courses for lateral entry certification.

Impact of the Proposed Program on Other Programs: There are no colleges approved to offer the Occupational Education Associate (A55320) program in counties contiguous to Central Carolina Community College's service area. **Therefore, an impact assessment was not required.**

Implementation of Collaborative Plan: Not Applicable

Curriculum Design: The proposed program of study is in compliance with the State Board approved curriculum standard.

Curriculum Description as Designated on Curriculum Standard: *The Occupational Education Associate curriculum is designed for individuals skilled and experienced in a trade or technical specialty who would like to receive an associate degree in preparation for teaching or other purposes. Course work is designed to supplement previous education, training, and/or experience the individual has already attained. Graduates of the program may find employment as instructors in the field of occupational education.*

Contact:
Dr. Lisa Eads
Program Coordinator

PROGRAM APPLICATION
SUMMARY EVALUATION REPORT
Martin Community College
Criminal Justice Technology (A55180)

Program Planning: Martin Community College (MCC) is seeking approval for the Criminal Justice Technology (A55180) program to begin Fall 2016. The planning area is defined as the college's service area of Bertie (Townships of Indian Woods, Merry Hill) and Martin counties. All colleges were notified of the planning process for this program.

The proposed program was approved by the Board of Trustees at MCC on May 31, 2016. Minutes from this Board meeting were attached to the program application. The President and the Board of Trustees of MCC have certified the following:

- The proposed 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.
- They have assessed the need for the proposed program and the resources required to maintain a viable program and certify that the college can operate the proposed program efficiently and effectively within the resources available to the college.
- The college will complete a program accountability report including student success measures, enrollment trends, completion rates, and employment data three years after implementation of the program.

Program Rationale: Martin Community College indicated the following**:**

- The US Bureau of Labor Statistics estimated that there are 6,160 protective service jobs regionally within the northeastern part of the state.
- Bertie Correctional Institute has 66 correctional officer position vacancies. There are 484 staff positons at the facility that have a criminal justice component to them. The facility is located just 10 miles from the college campus.
- Letters of support have been received from: The Mayor of Windsor, Windsor County Chamber of Commerce, Bertie County Board of Commissioners, Martin County Board of Commissioners, Martin County Economic Development President, Bertie County Economic and Industrial Planning and Development Commission, Martin County Chamber of Commerce, Bertie and Martin County Schools, and the Town of Windsor.
- Bertie area high schools estimate that there would be between 20-30 students interested in enrolling in the program.

- The college has developed the Bertie High School Criminal Justice Cadet Program with support from the Governor's Office and the NC Department of Public Safety. The program successfully began in January, 2016, as a collaborative between Martin and Roanoke-Chowan community colleges. Martin is ready to assume responsibility for the program that will result in an associate's degree in Criminal Justice Technology. The college is working on establishing collaborative bachelor criminal justice degree pathways with four-year universities. Approximately 50 students originally expressed interest in enrolling in the cadet program; sixteen students were accepted to participate in the initial semester offering.

- Bertie-Martin Regional Jail estimated that they will have five new employee positions; Martin County Sheriff's Department estimated they will have five new employee positions, Bertie County Sheriff's Department estimated eight new positions; Robersonville Police Department one; and Williamston Police Department ten-fifteen within the next five years.

Impact of the Proposed Program on Other Programs: Fifty-four colleges are currently approved to offer the Criminal Justice Technology program. An impact assessment was sent to colleges located in a contiguous county. Initially, Roanoke-Chowan Community College expressed objections. **This issue has been resolved and the objection has been removed.**

Implementation of Collaborative Plan: Not Applicable

Curriculum Design: The proposed program of study is in compliance with the State Board approved curriculum standard.

Curriculum Description as Designated on Curriculum Standard:

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system's role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Contact:
Mr. Frank Scuiletti
Program Coordinator

PROGRAM APPLICATION
SUMMARY EVALUATION REPORT
Mayland Community College
Practical Nursing (Diploma) (D45660)

Program Planning: Mayland Community College is seeking approval for the Practical Nursing (D45660) (Diploma) program to begin Spring, 2017. The planning area is defined as the college's service area of Avery, Mitchell and Yancy counties. All colleges were notified of the planning process for this program.

The proposed program was approved by the Board of Trustees at Mayland Community College on May 7, 2016. Minutes from this Board meeting were attached to the program application. The President and the Board of Trustees of Mayland Community College have certified the following:

- The proposed 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.
- They have assessed the need for the proposed program and the resources required to maintain a viable program and certify that the college can operate the proposed program efficiently and effectively within the resources available to the college.
- The college will complete a program accountability report including student success measures, enrollment trends, completion rates, and employment data three years after implementation of the program.

Program Rationale: Mayland Community College (MCC) indicates the following:

- The Practical Nursing (PN) program, which started in 1972, was the first nursing program established at MCC. The program was started as a Nursing Exit Options (NEO) program in partnership with Caldwell Community College and Technical Institute. In 1995, The NEO program transitioned into the ADN degree at MCC.
- In 2004, the PN program was established with approval to teach twenty students by NCBON. The PN program was a strong program, posting good passing rates on the NCLEX-PN exam.
- In 2013, the PN program was put on hold. During this same time period, Mission Health located in Asheville, NC began purchasing several community health care providers in the service area. They made the decision to limit the number of Licensed Practical Nurses (LPNs) and hired Nurse Aide I employees. Therefore, with employment options decreasing, the PN program was terminated at MCC in 2014.
- Recent trends in healthcare are shifting away from acute care facilities and more toward extended care. For many patients, especially the elderly, the comprehensive and high-

cost facility of a hospital is disproportionate to the kind of care that they may need. Extended care is a better option for patients who do not have acute trauma or require surgery or elaborate medical interventions. Extended care can be provided by assisted living facilities, hospice, or home health care.

- Over the past several years, the population of the service area has continued shifting toward an older demographic. The sixty years and older age group had tremendous growth between 2010 and 2014. In 2010, the US Census Bureau indicated, the percentage of persons 65 years and older were the following: Avery County 17.4%, Mitchell County 20.9% and Yancy County 20.6%. In 2014, Access NC indicated, the percentage of persons 60 years and older were the following: Avery County 25.8%, Mitchell County 29.8% and Yancy County 30.4%.

- The trend toward extended care and the shift toward an older demographic population has led to an increase in the number of new assisted living facilities, nursing homes, and home-health agencies within the area. MCC notes they have seen new employment growth in existing agencies. All of these healthcare providers hire LPNs, and they support the addition of the PN program at MCC.

- Based on these trends, MCC has partnered with healthcare agencies to explore their future workforce needs. This collaboration has determined that the PN program provides the educational foundation to create employment opportunities in the healthcare field.

- Approximately twenty percent of MCC's service region is currently in poverty. Given the current economic conditions in the counties that MCC serves, many prospective students who desire to enter the nursing profession do not have the resources, even with financial aid, to complete a rigorous two or three year ADN program.

- With input and direction from their nursing advisory committee, coupled with extensive research including employers in the region, a one-year PN program is a viable option for students to obtain quality, entry-level jobs into the nursing profession.

- With the approval of the PN program, graduates can enter the workforce. With their increased earning potential, graduates of the PN program have the opportunity to progress in the nursing profession by completing the PN to ADN pathway to become a Registered Nurse (RN). Similarly, once the student has obtained their RN, the student can complete a BSN through the RN to BSN pathway.

- Letters of support for the program were submitted to MCC by Life Care Center of Banner Elk, Roan Highlands Nursing Center, Pruitt Home Health –Toe River, Appalachian Regional HealthCare System, Medi-Home Hospice, Smokey Ridge Health and Rehabilitation, and Glenbridge Health and Rehab Center.
- Life Care Center of Banner Elk, a long-term care facility, noted: *Educating and providing a competent, qualified workforce of future health care providers continues to be an important goal for our region. Since the discontinuation of the LPN program we are*

finding it difficult to recruit enough nurses to provide the high standard of care our residents need and deserve which is causing our current staff to have to pick up extra days to provide care. Many nurses are starting to become 'burnt out'. Therefore, we are in support of implementing the MCC PN program."

- It was noted by Appalachian Regional Healthcare System: *We currently employ LPNs within the MCC service area. We are expanding our long-term care capacity with the opening of The Foley Center at Chestnut Ridge during the summer of 2016. We anticipate expanded job opportunities for LPN's."*

Impact of the Proposed Program on Other Programs: Thirty-eight community colleges are approved to offer the Practical Nursing program. This program contains a clinical component, therefore each college was provided with a program impact assessment from Mayland Community College. **All colleges approved to offer the program are in agreement with the impact assessment.**

Implementation of Collaborative Plan: Not Applicable

Curriculum Design: The proposed program of study is in compliance with the State Board approved curriculum standard.

Curriculum Description as Designated on Curriculum Standard: *The Practical Nursing curriculum provides knowledge and skills to integrate safety and quality into nursing care to meet the needs of the holistic individual which impact health, quality of life, and achievement of potential.*

Course work includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes safe, individualized nursing care and participation in the interdisciplinary team while employing evidence-based practice, quality improvement, and informatics.

Graduates are eligible to apply to take the National Council Licensure Examination (NCLEX-PN) which is required for practice as a Licensed Practical Nurse. Employment opportunities include hospitals, rehabilitation/long term care/home health facilities, clinics, and physicians' offices.

Contact:
Ms. Renee Batts
Associate Director

PROGRAM APPLICATION
SUMMARY EVALUATION REPORT
Mitchell Community College Community College
Emergency Medical Science (A45340)

Program Planning: Mitchell Community College Community College is seeking approval for the Emergency Medical Science (A45340) program to begin Fall, 2017. The planning area is defined as the college's service area of Iredell County. All colleges were notified of the planning process for this program.

The proposed program was approved by the Board of Trustees at Mitchell Community College on October 28, 2015. Minutes from this Board meeting were attached to the program application. The President and the Board of Trustees of Mitchell Community College have certified the following:

- The proposed 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.
- They have assessed the need for the proposed program and the resources required to maintain a viable program and certify that the college can operate the proposed program efficiently and effectively within the resources available to the college.
- The college will complete a program accountability report including student success measures, enrollment trends, completion rates, and employment data three years after implementation of the program.

Program Rationale: Mitchell Community College (MCC) indicates the following:

- MCC has offered coursework in emergency medical services through continuing education since 2006. The College reported 1,000 students have completed emergency medical services classes and over 85% of them have earned a credential.
- The U.S. Bureau of Labor Statistics projects: *employment of emergency medical technicians and paramedics is expected to grow by twenty-four percent from 2014 to 2024, much faster than the average for all occupations. Emergencies, such as car crashes, natural disasters, and acts of violence, will continue to create demand for EMTs and paramedics.*
- Letters of support for the program were submitted to MCC by the Principal of the Career Academy and Technical School, the Director of Career and Technical Education with the Iredell-Statesville Schools, Mooresville Fire-Rescue, Davis Regional Medical Center, and Iredell County Emergency Medical Services.

- MCC plans to offer courses to local high school students through Career and College Promise.
- Currently, MCC offers the program through continuing education and already has the equipment and supplies which will minimize expenses. Iredell County recently passes a $12 million bond for a new Health Sciences building. The EMS program will be housed in this building.

Impact of the Proposed Program on Other Programs: Thirty-three community colleges are approved to offer the Emergency Medical Science program. This program contains a clinical component, therefore each college was provided with a program impact assessment from Mitchell Community College. **All colleges approved to offer the program are in agreement with the impact assessment.**

Implementation of Collaborative Plan: Not Applicable

Curriculum Design: The proposed program of study is in compliance with the State Board approved curriculum standard.

Curriculum Description as Designated on Curriculum Standard: *The Emergency Medical Science curriculum provides individuals with the knowledge, skills and attributes to provide advanced emergency medical care as a paramedic for critical and emergent patients who access the emergency medical system and prepares graduates to enter the workforce.*

Students will gain complex knowledge, competency, and experience while employing evidence based practice under medical oversight, and serve as a link from the scene into the healthcare system.

Graduates of this program may be eligible to take state and/or national certification examinations. Employment opportunities include providers of emergency medical services, fire departments, rescue agencies, hospital areas, industry, educational and government agencies.

Contact:
Ms. Renee Batts
Associate Director

PROGRAM APPLICATION
SUMMARY EVALUATION REPORT
Wake Technical Community College
Mission Critical Operations (A40430)

Program Planning: Wake Technical Community College (WTCC) is seeking approval for the Mission Critical Operations (A40430) program to begin Fall 2016. The planning area is defined as the college's service area of Wake County. All colleges were notified of the planning process for this program.

The proposed program was approved by the Board of Trustees at WTCC on May 14, 2016. Minutes from this Board meeting were attached to the program application. The President and the Board of Trustees of WTCC have certified the following:

- The proposed 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.
- They have assessed the need for the proposed program and the resources required to maintain a viable program and certify that the college can operate the proposed program efficiently and effectively within the resources available to the college.
- The college will complete a program accountability report including student success measures, enrollment trends, completion rates, and employment data three years after implementation of the program.

Program Rationale: Wake Technical Community College indicated the following**:**

- WTCC participated in a consortium of colleges that were awarded $23.2 million in grant funds by the US Department of Labor (DOL) for developing curriculum and content matter in support of education and training for a critical infrastructure work force. The US DOL requires that the consortium design and develop a career pathway to address an increasing demand for a mission critical workforce able to anticipate, prevent, mitigate and respond to mission critical breaches.

- According to NSS Labs, a renowned national leader within the information technology security industry, the federal government employs approximately 273,000 critical infrastructure workers. This number is expected to increase to the expanding use of the Internet of Things (IoT) along with the growing challenge of threats, thereby resulting in additional employment within broad industries.

- Two regional employer surveys were completed involving 147 companies. Fifty percent of the companies expected to hire, on average, at least six employees within a six month period. A total of 699 positions were expected to be available.

- WTCC surveyed currently enrolled students and local industry to determine interest and 30 responded that they were interested in enrolling in the MCO program.
- Consortium members are Nash Community College (N.C.), Wake Technical Community College (N.C.), Moultrie Technical College (Ga.), and The University of North Carolina at Charlotte. Industry partners in the project include ISA, the Automation Federation, 7x24 Exchange Carolinas, and numerous local employers.

Impact of the Proposed Program on Other Programs: Cleveland Community College is the only college currently approved to offer the Mission Critical Operations program and is not in a contiguous county, therefore, **an impact assessment was not required.**

Implementation of Collaborative Plan: Not Applicable

Curriculum Design: The proposed program of study is in compliance with the State Board approved curriculum standard.

Curriculum Description as Designated on Curriculum Standard:

The Mission Critical Operations curriculum prepares graduates for employment in a wide range of positions in specific mission critical environments, operations technology, and maintenance.

Course work includes the development of a student's ability to maintain technically sophisticated systems for business continuity and near continuous uptime using engineering, information technology, and industrial management and maintenance skills. The course work emphasizes analytical and problem-solving skills required to sustain high availability national security interests and includes instruction in electromechanical systems, networking, automation, cybersecurity, emergency management and systems integration.

Graduates should qualify for employment as entry-level technicians with businesses, industries, educational systems, and governmental agencies in national critical infrastructure areas including, but not limited to, communications, emergency services, energy, financial services, healthcare, information technology, and transportation.

Contact:
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Program Coordinator