

**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 colleges and operating funds generated by the budget formula will permit the offering of these programs without any special allocation of funds.

Beaufort County Community College
Emergency Medical Science (A45340)

Caldwell Community College & Technical Institute
Biopharmaceutical Technology (A20180)

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(s):
Dr. Lisa Eads
Director

**PROGRAM APPLICATION
SUMMARY EVALUATION REPORT
Beaufort County Community College
Emergency Medical Science (A45340)**

Program Planning

Beaufort County Community College is seeking approval for the Emergency Medical Science (A45340) program to begin Fall, 2020. The planning area is defined as the college's service area of Beaufort, Hyde, Tyrell and Washington Counties. All colleges were notified of the planning process for this program.

The proposed program was approved by the Board of Trustees at Beaufort County Community College on October 1, 2019. Minutes from this Board meeting were attached to the program application. The President and the Board of Trustees of Beaufort County 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

Beaufort County Community College (BCCC) indicates the following:

- Beaufort County Community College currently offers coursework in emergency medical services through continuing education. The purpose of the AAS Emergency Medical Science program is to provide a bridge program for Certified Paramedics to achieve the Associate Degree suggested by the Office of Emergency Medical Services. In addition, to meet needs of the community for future paramedics and instructors in the service area. The Associate Degree is needed to meet the proposed rule change that would require all new level 1 EMS Instructors to possess a minimum of an Associate Degree to teach any EMS program. The Basic EMS programs will continue to be taught in continuing education. Credit for Prior Learning will be granted for Certified Paramedics.
- According to Economic Modeling Specialists (EMSI), there are currently 130 related jobs in the BCCC service area. With the large number of existing jobs, turnover and retirements will continue to generate demand for a highly trained work force of paramedics in each county. The proposed program will ensure a pipeline of appropriately trained and credentialed paramedics for the service area.

- Growth across the state in this area is expected to be 6.8% by 2028 bringing a projected 762 new jobs to the state. The media pay rate in the BCCC service area is 16.95 per hour, which is above the median rate across the nation (\$16.50/hr.).
- There are approximately 6 open positions currently in the service area for Paramedics and Advanced EMTs.

Impact of the Proposed Program on Other Programs

Thirty-Eight 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 Beaufort County 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 specialty areas, industry, educational and government agencies.

Contact(s):

Dr. Lori Byrd
Associate Director

**PROGRAM APPLICATION
SUMMARY EVALUATION REPORT
Caldwell Community College & Technical Institute
Biopharmaceutical Technology (A20180)**

Program Planning: Caldwell Community College & Technical Institute is seeking approval for the Biopharmaceutical Technology (A20180) program to begin Fall 2020. The planning area is defined as the college's service area of Caldwell and Watauga counties. All colleges were notified of the planning process for this program.

The proposed program was approved by the Board of Trustees at Caldwell Community College & Technical Institute on October 16, 2019. Minutes from this Board meeting were attached to the program application. The President and the Board of Trustees of Caldwell Community College & Technical Institute 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: Caldwell Community College & Technical Institute (CCC&TI) indicates the following:

- Pharmaceutical manufacturing is Caldwell County's fastest growing industrial sector. Biosciences industries are locating in and expanding in the CCC&TI service area. Biotechnical jobs growth has increased by 25% in the western part of the state in the last 5 years creating a demand for the highly skilled entry and middle level employees in the service area.
- Currently two pharmaceutical companies are among Caldwell's top ten private employers. These two companies have plans to grow aggressively. A new international pharmaceutical company is expanding to Caldwell County. This company plans to create over 200 new jobs in the county over the next six years.
- Pharmaceutical jobs have the highest average wages and likelihood for advancement of any industry in Caldwell County. Expected average salary is \$44,331 as compared with the current average manufacturing wage of \$ 38,957.

- Total existing Biopharmaceutical jobs in Caldwell County top 745 with 365 new jobs projected in the next 2-6 years.

Impact of the Proposed Program on Other Programs: One community college is approved to offer the Biopharmaceutical Technology program. No programs offering the same or similar programs are located in a contiguous service area. This program does not contain a clinical component; **therefore, no program impact assessment was 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 Biopharmaceutical Technology curriculum is designed to prepare individuals for employment in pharmaceutical manufacturing and related industries. Major emphasis is placed on manufacturing processes and quality assurance procedures. Course work includes general education, computer applications, biology, chemistry, industrial safety, and an extensive array of very detailed pharmaceutically specific classes. Graduates should qualify for numerous positions within the industry. Employment opportunities include, but are not limited to, the following: Chemical Quality Assurance, Microbiological Quality Assurance, Product Inspection, Documentation Review, Manufacturing, and Product/Process Validation.

Contact(s):

Dr. Lori Byrd
Associate Director