

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 program at the listed college on the condition that equipment funds are available to the college and operating funds generated by the budget formula will permit the offering of the program without any special allocation of funds.

Central Carolina Community College
Emergency Medical Science (A45340)

Cleveland Community College
Animal Science Technology (A15280)

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
Associate Vice President of Programs

STATE BOARD OF COMMUNITY COLLEGES
Program Application
Summary Evaluation Report
Central Carolina Community College
Emergency Medical Science (A45340)

Program Planning: Central Carolina Community College is seeking approval for the Emergency Medical Science (A45340) program to begin Summer 2022. The planning area is defined as the college's service area of Chatham, Harnett, and 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 28, 2020. 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:

- The college currently offers training that leads to the Emergency Medical Services (EMS) credentials of Emergency Medical Technician (EMT), Advanced EMT (AEMT), and Paramedic through its Continuing Education division. The college is now seeking approval to offer the related associate degree to meet the needs of the future EMS workforce, as the profession is encouraging a minimum of an associate degree for paramedics.
- The proposed program focuses on an EMS Bridge option that is designed to allow current EMS personnel to obtain a degree through credit for prior learning for EMS credentials previously earned through Continuing Education.
- An analysis of employment opportunities from Indeed.com on February 21, 2022, shows that there are 132 jobs within 50 miles of Sanford, NC for paramedics. Some of these positions are advertised in hospital settings, in response to the nursing shortage in the college's service area.

While having an associate degree is not required for many of these jobs, it is preferred, especially in hospital settings.

- According to *O*Net Online*, the projected growth in NC employment for Emergency Medical Technicians (EMTs) and Paramedics is projected to be 8% between 2018 and 2028. According to the US Census Bureau, the US population is projected to grow by nearly 79 million people in the next four decades, with the nation's 65-and-older population projected to double by 2060. This population increase will increase the demand for EMS services and result in the need for additional Paramedic positions.
- The college received letters of support from several local employers, including Central Carolina EMS (CCEMS) and Harnett County Emergency Services (HCES). CCEMS wrote: "This type of program will allow paramedics to maintain their employment, while continuing the journey in EMS education; thus, pushing the legitimacy of the pre-hospital provider as a profession even further into an acknowledged role." HCES stated: "This endeavor will allow our providers an opportunity to obtain advanced, college-level education locally and thus benefit the local communities in which we serve."

Impact of the Proposed Program on Other Programs: Forty-four community colleges are approved to offer the Emergency Medical Science program. This program contains a clinical component; therefore, each of these colleges was provided with a program impact assessment from Central Carolina Community College. ***No negative impact responses were received.***

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 the 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):

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EMS Training Specialist

STATE BOARD OF COMMUNITY COLLEGES
Program Application
Summary Evaluation Report
Cleveland Community College
Applied Animal Science Technology (A15280)

Program Planning: Cleveland Community College is seeking approval for the Applied Animal Science Technology (A15280) program to begin Fall 2022. The planning area is defined as the college's service area of Cleveland County. All colleges were notified of the planning process for this program.

The proposed program was approved by the Board of Trustees at Cleveland Community College on November 9, 2021. Minutes from this Board meeting were attached to the program application. The President and the Board of Trustees of Cleveland 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: Cleveland Community College (CCC) indicates the following:

- The Applied Animal Science Technology program will prepare students for careers in the production, processing, distribution of livestock, swine, poultry, and their products according to scientific principles essential to efficient and profitable operation. Graduates will be eligible to be farmers, feed mill workers, owners/operators of farms, buyers of poultry and livestock, and waste management technicians.
- Local high schools in the college's service area have strong agricultural programs. The addition of the Applied Animal Science Technology program will provide students with an opportunity to continue their education locally, earn sustainable wages, and provide a pathway for transfer to a four-year institution.

Attachment PROG 03B

- The program will be offered at 5 approved off-campus instructional sites in the college's service area and will be available in various delivery methods including face-to-face, blended, and online.
- CCC conducted a Student Interest Survey in Fall 2021 that included questions about multiple agriculture-related programs in which 89 students participated. The survey results indicated that Applied Animal Science was the area preferred by the majority of respondents. Data from the survey also indicated that more than 70% of the students were interested in continuing their education at a four-year institution once they complete an AAS degree in Applied Animal Science.
- The Cleveland County Agricultural Board supports the development and implementation of the Applied Animal Science program and has worked closely with the college to determine skills and learning outcomes to meet student and local industry needs.
- Several local farmers and businesses have shown interest in partnering with CCC to offer internships and work-based learning opportunities including Foothills Farmers' Market. Case Farms, a multi-state, fully integrated poultry farming and processing company, is interested in a partnership with CCC on the Applied Animal Science degree. They would likely offer internships and perhaps other support once the program is approved.
- According to USDA.gov, 61% of farmers in Cleveland County are over the age of 65. As these farmers begin to retire, the younger generation will require training in farm operations and in business management of farming. USDA.gov also reported that 88% of agricultural market sales in Cleveland County are in livestock, poultry, and related products.
- According to JobsEQ (2021), there are 5,149 current jobs linked to animal science occupations within a 1-hour distance from Shelby, NC. The data showed an estimated 131 job openings at the time of the inquiry and projected a need for an additional 3,727 trained workers over the next 7 years. JobsEQ (2021) reported that the average mean salary for animal science linked occupations in North Carolina is \$51,500.
- Letters of support were received from Cleveland County Schools and Cleveland Soil and Water Conservation District.
- Graduates of the Applied Animal Science Technology program will be qualified to work and manage profitable, community-based businesses. They will be able to pursue entrepreneurial opportunities with skills necessary for the operation of efficient and profitable livestock, swine, and poultry enterprises.

Impact of the Proposed Program on Other Programs:

This program does not contain a clinical component; therefore, only colleges in contiguous counties with the Applied Animal Science Technology (A15280) program were provided with a

program impact assessment from Cleveland Community College. Five colleges are approved to offer the Applied Animal Science Technology (A15280) program. An impact assessment was sent to one college in a contiguous service area. ***No negative impact responses were received.***

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:

This curriculum is designed to prepare students for careers in the production, processing, and distribution of livestock, swine, and poultry and their products according to scientific principles essential to efficient and profitable operation.

Students should learn skills necessary for the operation of efficient and profitable livestock, swine, and poultry enterprises. Coursework includes production practices, animal health, nutrition, reproduction, and management.

Graduates should qualify for entry-level jobs as herd or flock managers, field service persons, feed salespersons, equipment salespersons, feed mill workers, buyers of poultry and livestock, owners/operators, farm managers, department supervisors, field service representatives, and waste management technicians.

Applied Animal Science Technology: *A program that prepares individuals to select, breed, care for, process, and market livestock and small farm animals. Potential course work includes instruction in basic animal science, animal nutrition, and animal health as applied to various species and breeds; design and operation of housing, feeding, and processing facilities; and related issues of safety, applicable regulations, logistics, and supply.*

Swine Management Technology: *A program that focuses on the application of biological and chemical principles to the production and management of swine animals and the production and handling of meat and other products. Potential course work includes instruction in animal sciences, range science, nutrition sciences, food science and technology, biochemistry, and related aspects of human and animal health and safety.*

Contact(s)

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Program Administrator