

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.

Fayetteville Technical Community College
Anesthesia Technology (A45330)

Lenoir Community College
Aviation Systems Technology (A60200)

Martin Community College
Associate of General Education – Nursing (A1030N)

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
Fayetteville Technical Community College
Anesthesia Technology (A45330)

Program Planning

Fayetteville Technical Community College is seeking approval for the Anesthesia Technology (A45330) program to begin Fall, 2023. The planning area is defined as the college's service area of Cumberland County as well as Moore and Robeson counties. All colleges were notified of the planning process for this program.

The proposed program was approved by the Board of Trustees at Fayetteville Technical Community College on February 21, 2022. Minutes from this Board meeting were attached to the program application. The President and the Board of Trustees of Fayetteville Technical 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

Fayetteville Technical Community College (FTCC) indicates the following:

- Cape Fear Valley Health System serves the college's service area and employs many of the college's health sciences graduates. The chief CRNA at Cape Fear Valley Health System, Dawn Bryan, provided feedback to the college stating significant local needs for anesthesia technologists.
- FTCC conducted a survey of more than 900 current students. Of 948 survey responses received, 689 (73%) stated an interest in obtaining a degree in Anesthesia Technology.
- A survey was also done of local and regional employers. Survey responses were received from eleven local and regional employers. Ten out of the eleven (91%) recognized a need for anesthesia technologists at their facility as well as the need for certified Anesthesia Technologists.

- There are currently two Anesthesia Technology programs in the state of North Carolina (Durham Technical Community College and Cape Fear Community College) and only six accredited programs in the United States (CAAHEP, 2021).
- The Bureau of Labor Statistics (2020) has reported an expected growth of 15% in demand for anesthesia technology skills from 2014 to 2024.
- Based on recent changes with Anesthesia Technology, the need for formal training has grown. On-the-job-prepared anesthesia technologists are no longer able to obtain their national credentials. To receive certification, the American Society of Anesthesia Technologists and Technicians now requires candidates to complete a Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredited/Committee on Accreditation for Anesthesia Technology Education (CoA-ATE) approved program followed by successfully passing the technologist exam.
- The average annual pay for an Anesthesia Technologist in North Carolina is \$59,645 a year. Most Anesthesia Technologist salaries currently range between \$35,482 (25th percentile) to \$65,896 (75th percentile).

Impact of the Proposed Program on Other Programs

Two community colleges are approved to offer the Anesthesia Technology program. This program does contain a clinical component; therefore, all colleges were provided with a program impact assessment from Fayetteville Technical Community College. Sandhills Community College in Moore County and Robeson Community College in Robeson County expressed no concern regarding this program being planned in their service areas. They did negotiate with the requesting college to manage clinical space for their various other health care programs. **Two colleges approved to offer this program, Durham Technical Community College and Cape Fear Community College, responded with positive impact assessments in agreement and support of the program. No negative impact assessments 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

The Anesthesia Technology program prepares students to work as a vital member of the Anesthesia Care Team. The anesthesia technologist provides safe care at the direction of the anesthesia provider in the care of patients undergoing anesthesia. Students will become proficient in fundamentals and advanced skills in the acquisition, preparation, and application of various types of equipment required for the delivery of anesthesia care. Graduates are eligible to complete the Certified Anesthesia Technologists credentialing process through the

American Society of Anesthesia Technologists and Technicians (ASATT). Employment opportunities are available in hospitals, surgical centers, imaging, emergency departments, dental suites, and ambulatory care centers.

Contact(s):

Dr. Lori Byrd
Associate Director

STATE BOARD OF COMMUNITY COLLEGES
Program Application
Summary Evaluation Report
Lenoir Community College
Aviation Systems Technology (A60200)

Program Planning: Lenoir Community College is seeking approval for the Aviation Systems Technology (A60200) program to begin Fall, 2023. The planning area is defined as the college's service area of Greene, Jones and Lenoir counties. All colleges were notified of the planning process for this program.

The proposed program was approved by the Board of Trustees at Lenoir Community College on November 22, 2021. Minutes from this Board meeting were attached to the program application. The President and the Board of Trustees of Lenoir 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: Lenoir Community College (LCC) indicates the following:

- According to the Bureau of Labor Statistics, the eastern region of North Carolina has the second highest population location quotient for FAA Certified Aviation Maintenance Technicians in the U.S. due in large part to the concentration of civilian and military maintenance and repair services in Craven, Lenoir, and Wayne Counties. The mean hourly wage in the eastern region of North Carolina is \$30.00, which is significantly higher than the mean hourly wage for comparable careers.
- The College has developed strong partnerships with aviation companies within its service area and region including flyExclusive private jet service, Draken International, Mountain Air Cargo, and Fleet Readiness Center (FRC) East for military aviation maintenance and repair. The cited companies account for a current demand of over 100 FAA Certified aviation maintenance technicians. A growing aviation services company in LCC's service area, flyExclusive, has a documented immediate need of 120 FAA Certified maintenance technicians.
- Over the past decade, there has been increasing growth in aviation and aerospace related industries and services. Maintenance and repair of civilian and military aircraft

provide great opportunities for local employment. However, the demand for skilled and certified employees, far exceeds the current pipeline of Federal Aviation Administration (FAA) certified aviation maintenance technicians.

- Executive Vice President of the National Air Transportation Association (NATA), Ryan Waguespack, offered his insights into the employment outlook for aircraft maintenance roles. He described the general aviation sector's growth over the past 18 to 22 months as unprecedented. For those seeking work within the sector, "the outlook is incredible—job opportunities galore," (*Avionics International*, March/April 2022).
- Letters of support were provided by flyExclusive private jet service, Field Operations, Draken International, Brent Williams, Superintendent of Lenoir County Public Schools, Mark Pope, Senior Vice President, N.C. Global TransPark Economic Development Region, and Patrick Miller, Superintendent, Green County Schools.
- LCC has received \$25M to build an Aviation Center for Excellence through the State of North Carolina that will be used to fund a new facility. The college would implement a rigorous Federal Aviation Administration (FAA) credentialed program that will allow students to earn their Airframe and Powerplant (A & P) certification.

Impact of the Proposed Program on Other Programs: Five colleges are approved to offer the Aviation Systems Technology program. An impact assessment was sent to colleges located in contiguous counties. Wayne CC initially filed a negative response expressing concern over losing potential students to LCC but later signed an Impact Resolution Form indicating agreement with LCC. **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: The Aviation Systems Technology provides individuals with the knowledge and skills to qualify for an aircraft mechanic's certificate with airframe and/or powerplant ratings. The curriculum is approved by the Federal Aviation Administration (FAA) under 14 CFR Part 147, which governs aviation maintenance schools. Course work includes aviation mathematics, FAA regulations, basic electricity, aircraft drawings; aircraft structures, systems, and components; aircraft engines, theory, systems, and components; and engine inspections and maintenance. Employment opportunities exist as entry-level mechanics with air carriers, manufacturers, repair stations, fixed base operators, flight schools, and government aviation operations.

Contact(s):

Dr. Frank Sculetta
Senior Program Administrator

STATE BOARD OF COMMUNITY COLLEGES

Program Application

Summary Evaluation Report

Martin Community College

Associate of General Education -Nursing (A1030N)

Martin Community College is seeking approval for the Associate in General Education- Nursing (A1030N) program to begin Fall, 2022. The planning area is defined as the college's service area of Bertie and Martin Counties.

Because of the unique nature of the AGE Nursing program, approval may be granted by the system president. Programs currently approved to offer the Associate Degree in Nursing (A45110) may receive approval to offer the AGE Nursing (A1030N) by submitting the request to the System Office.

Martin Community College is not approved to offer the Associate Degree in Nursing (A45110). A Memorandum of Understanding was signed with the intent of a collaborative agreement between Roanoke-Chowan and Martin Community College to build a pipeline of RN-qualified nurses in the northeastern region of North Carolina. Roanoke-Chowan Community College is approved to offer the Associate Degree in Nursing and currently has a nursing program with full NC Board of Nursing approval.

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 Associate in General Education (AGE)-Nursing is designed for students who wish to begin their study toward the Associate in Nursing degree and a Baccalaureate degree in Nursing as based on Blocks 1 through 3 of the Uniform Articulation Agreement between the University of North Carolina's Registered Nurse (RN) to Bachelor of Science in Nursing (BSN) programs and the North Carolina Community College Associate Degree Nursing Programs, which was approved by the State Board of Community Colleges and the UNC Board of Governors in February 2015. The AGE-Nursing shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of courses.

A student who completes an Associate in Applied Science (AAS) in Nursing with a GPA of at least 2.0 and a grade of C or better in the AGE-Nursing courses and who holds a current unrestricted license as a Registered Nurse in North Carolina will have fulfilled the UNC institutions' lower-division general education requirements as well as nursing program entry requirements. However, because nursing program admissions are competitive, no student is guaranteed admission to the program of his or her choice

Contact(s):

Dr. Lori H. Byrd
Associate Director