August 24, 2015

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SECTION 1
GENERAL INFORMATION

This catalog is your guide to educational opportunities in the North Carolina Community College System.

The mission of the North Carolina Community College System is to open the door to opportunity for individuals seeking to improve their lives and well-being by providing:

- Education, training and retraining for the workforce, including basic skills and literacy education, occupational and pre-baccalaureate programs.

- Support for economic development through services to business and industry.

- Services to communities and individuals which improve the quality of life.

The System is committed to providing the State with a well-trained workforce to meet employers' needs and help attract new business and industry. College transfer programs are available, and the colleges are the primary delivery system of literacy training for the state. Thus, the System offers a comprehensive listing of training and educational opportunities.

Located within commuting distance of nearly every North Carolinian, the System colleges provide accessible, low-cost programs for any adult who wants to learn. Some programs are offered at convenient, off-campus sites. Many colleges offer "anytime, anywhere" learning through distance education classes. These classes may be offered on the Internet, through telecourses, via the North Carolina Information Highway and through a combination of technologies such as teleweb courses.

In this catalog, you'll find an overview of the System colleges programs.

Please Note: While information here reflects the currently approved program offerings, offerings at individual colleges vary according to local needs. Each community college may add or delete programs during the course of the academic school year. Contact your local community college to determine which programs are available. College addresses and telephone numbers are listed in Section 4.

Administration

The North Carolina Community College System Office staff provides State-level administration of the NC Community College System under the direction of the State Board of Community Colleges. The State Board, consisting of 18 members appointed by the Governor and the NC General Assembly, the Lieutenant Governor (ex-officio), the State Treasurer (ex-officio) and the President of the NC Comprehensive Community College Student Government Association (ex-officio) has the authority to adopt and administer all policies, regulations and standards it deems necessary to operate the System.

A local board of trustees governs each college and elects a president as the college's chief executive officer. The State Board of Community Colleges approves the president.

Admissions

Admission is open to any individual who is a high school graduate or at least 18 years of age. Students are admitted regardless of race, national origin, religion, sex, handicap, age or political affiliation. Applicants for curriculum programs should submit a high school transcript and a transcript of any prior college academic work if requested by the local college. They should also plan to take any appropriate placement and /or diagnostic tests and meet with a counselor/advisor. This assessment information aids in establishing realistic educational and career goals.

Applicants for curriculum programs should submit a high school transcript and a transcript of any prior college academic work if requested by the local college. They should also plan to take any appropriate placement tests and

meet with a counselor/advisor. This assessment information aids those advising the individual in establishing realistic educational and career goals.

Applicants who wish to transfer credits and/or applicants applying to distance learning programs or courses should contact an admissions counselor or college advisor.

Prerequisites

While admission to a community college is open to all adult citizens, some programs of study require students to meet certain standards or to have taken specific courses before being accepted into the program. Students who do not meet these standards may be required to enroll in a learning module or series of modules to strengthen skills in specific areas.

To be admitted to an associate degree program, including college transfer programs, individuals should possess a high school diploma or its equivalency. Colleges offer free programs through College and Career Readiness to help adults obtain a diploma or high school equivalency certificate.

Tuition and Fees

G.S. 115D-5 states that "The State Board shall have authority with respect to individual institutions…to establish and regulate student tuition and fees within the policies for tuition and fees established by the General Assembly." Also, G.S. 115D-39 states that "The State Board of Community Colleges shall fix and regulate all tuition and fees charged to students for applying to or attending any institution pursuant to this Chapter." The State Board of Community Colleges adopted the following curriculum tuition rates for the 2014-15 Academic Year, as directed by the General Assembly.

Residents: The per credit hour charge shall be increased from $71.50 to $72.00; up to a maximum per semester of $1,152, based upon 16 credit hours of instruction.

Non-Residents: The per credit hour charge shall be increased from $263.50 to $264.00; up to a maximum per semester of $4,224, based upon 16 credit hours of instruction.

Registration fees for continuing education occupational extension courses shall be based on the course length. Continuing education occupational extension registration fees for 2014-15 courses are $70 for 0 to 24 hours, $125 for 25 to 50 hours and $180 for 50+ hours. Fees for self-supporting and community service programs vary according to fees established by each local Board of Trustees.

There are no registration fees for Basic Skills programs which include Adult High School, Adult High School Equivalency certificate, Adult Basic Education, English as a Second Language and Compensatory Education. In addition, there are no fees assessed to Basic Skills students who participate in Basic Skills Plus at colleges who have received State Board approval.

Tuition is waived for high school students enrolled in courses that are not provided on a self-supporting basis. There are other groups of citizens for whom tuition may be waived; contact your local college for details.

Colleges per 1E SBCCC 700.1 may charge local fees that are established by the local board of trustees to curriculum and continuing education students for items not covered by tuition and registration fees. Under current State Board policy they include:

> Instructional Technology Fee- Curriculum ($48 per academic term maximum)
> Instructional Technology Fee- Continuing Education ($5 per semester maximum)
> Student Activity Fee ($35.00 per academic term maximum)
> College Access, Parking, and Security Fee (no maximum)
> Required Specific Course Fees (no maximum)

Colleges per 1E SBCCC 700.6 may assess students with fines for overdue books and materials or book replacement. If a student damages college property through gross negligence or maliciousness, he or she is expected

to reimburse the college. The student's academic credit may be withheld until proper payment is made.

Colleges may sponsor on a self-supporting basis recreational programs, seminars, cultural exhibits and other programs in addition to normal, organized class instruction.

Tuition and fees are subject to change by the North Carolina General Assembly and the North Carolina State Board of Community Colleges.

Student Development Services

The System's 58 colleges provide a wide range of student services designed to assist learners in successfully setting and achieving their educational goals. In addition to admissions counseling and processing, these services include, but are not limited to, the following:

Student Financial Aid

There are many financial aid opportunities in the community college system to assist learners in meeting their educational expenses for college. Financial aid is available in the form of grants, scholarships, work-study, and federal loans.

The best source of information and counseling about student financial aid can be obtained from the community college's financial aid office. Financial aid professionals can provide information to help students attain their educational goals. Obtaining the correct type of aid will require timely thought, planning and action.

In order to qualify for need-based financial aid, a student must complete and file the *Free Application for Federal Student Aid (FAFSA)* form. This form is available from a high school guidance counselor, via the Internet at http://www.fafsa.ed.gov, or the college's financial aid office. An application should be completed and submitted as early as possible in the academic year. State, local, and private grants and scholarships may be available for students who do not meet federal aid requirements.

Preparation for Academic Success

Students should contact the Student Development Services Office at their college for guidance in determining appropriate programs and services for their academic and personal development. The Student Development Services Office assists students in admissions and counseling, placement/diagnostic assessment, personal counseling, career/educational counseling and planning, financial aid, veterans' services, college orientation, and services to students with special needs.

Support Services and Programs

Colleges may provide support services such as childcare funding, mentoring and tutoring based upon student qualifications and availability of funds. These funds and activities may be coordinated with community service agencies in order to serve as many students as possible without duplicating resources.

Programs provided through campus College and Career Readiness Departments offer a strong focus on workforce readiness and transitions to postsecondary education and training through programs including Adult Basic Education, English as a Second Language (ESL), Adult High School, and Adult High School Equivalency certificate preparation and testing.

Services to Students with Special Needs

Each of the 58 colleges provides a variety of services to accommodate students with special needs. If a student has special needs that require reasonable accommodations to meet their educational goals and/or to access campus services, they should contact the college's Disability Services Office. Each campus complies with the Americans with Disability Act of 1990 (ADA), the ADA Amendment Act of 2008, and the requirements of Section 504 of the Rehabilitation Act of 1973 as amended.

Drug Education Programs/Campus Safety/Counseling

Colleges are encouraged and supported in their efforts to develop and maintain a drug education program. Counselors may provide assistance with issues that impact a student's educational experience. All community colleges comply with the Drug-Free Schools and Communities Act of 1989 as part of their on-going efforts to maintain a safe environment for learners, faculty and staff. Each campus maintains security and upon request, will furnish information required by the Student Right-to-Know and Campus Security Act of 1990.

Student Activities

A variety of co-curricular activities are available in the community college system, and students are encouraged to participate in those that match their interests. Some of the activities include, but are not limited to clubs, sports, student government, honor organizations, and special interest groups. Student activities afford students an opportunity to develop leadership and interpersonal skills, to supplement classroom learning, and the opportunity to interact with faculty and staff outside of the classroom setting.

College/University Transfer and/or Transition to Work

Colleges assist students in making a successful transition from the community college to the world of work or to four-year colleges and universities by providing the following:

Job Development and Placement - Developing job opportunities for students and assisting students in matching their skills with those required by various employment opportunities;

Transfer Counseling - Communicating transfer policies and procedures to students and prospective students to facilitate transfer to or from other community colleges or universities;

Student Records - Verifying student academic records, providing transcripts of coursework under the provisions of the Family Educational Rights and Privacy Act of 1974 (FERPA) and facilitating the student's progress between the community college and other educational institutions or prospective employers; and,

Workshops and Classes on Employment Skills - Assisting students with interviewing, resume preparation and other job-hunting and job-retention skills.

Health Services

Colleges may provide student health services ranging from first-aid treatment to referrals to hospitals for major illnesses or injuries. All students are encouraged to maintain private health and accident insurance.

Housing

Although community colleges do not provide dormitories, the Student Development Services Office may assist students who live outside the commuting area in finding a residence.

The Calendar

Community colleges typically operate on a semester system of two 16-week terms in the fall and spring and a shorter term in the summer. Each college develops its daily schedule to accommodate local needs. Most are open from 8:00 a.m. to 10:00 p.m., Monday through Thursday, and 8:00 a.m. to 5:00 p.m. on Friday. Evening classes are usually scheduled between 6:00 to 10:00 p.m., Monday through Thursday. Some colleges may also hold Friday evening and weekend classes.

 *During the summer term, some colleges have abbreviated work weeks and may be closed or only work half days on Fridays.

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SECTION 2
PROGRAM DESCRIPTIONS

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The North Carolina Community College System serves a broad range of persons with differing needs, skills and interests. Colleges meet those varied demands through an extensive continuum of training and educational programs which enable a student to begin study at the level most comfortable for him or her and to progress to meet future goals. Each college offers those programs best suited to its community's needs.

Curriculum Programs

Colleges offer a wide variety of planned educational programs, called "curriculum" programs, which range in length from one semester to two years. These programs lead to certificates, diplomas or associate degrees, depending on the nature of the curriculum. Curriculum programs include certificate, diploma, Associate in Applied Science, Associate in Arts, Associate in Fine Arts, Associate in Science and Associate in General Education programs.

Certificate

Certificate programs are designed to provide entry-level employment training and are offered at all System colleges.

Certificate programs range from 12 to 18 semester hour credits and can usually be completed within one semester by a full-time student. Associate degree level courses within a certificate program may also be applied toward a diploma or an associate in applied science degree.

Diploma

Diploma programs are designed to provide entry-level employment training and are offered at all System colleges.

Diploma programs range from 36 to 48 semester hour credits and can usually be completed by a full-time student within two semesters and one summer session. Associate degree level courses within a diploma program may also be applied toward an Associate in Applied Science degree.

Associate in Applied Science

Associate in Applied Science (AAS) programs are designed to provide entry-level employment training and are offered at all System colleges. AAS programs range from 64 to 76 semester hour credits. A full-time student can typically complete one of these programs within two years. In addition to major course work, associate in applied science degree programs require a minimum of 15 semester hour credits of general education. General education requirements include course work in communications, humanities/fine arts, social/behavioral sciences and natural sciences/mathematics. Certain courses in associate degree programs may be accepted by a four-year college or university for transfer credit in an associated field.

College Transfer (Associate in Arts, Associate in Engineering, Associate in Science and Associate in Fine Arts)

Community colleges offer college transfer through the Associate in Arts (AA), Associate in Science (AS), Associate in Engineering (AE) and Associate in Fine Arts (AFA) degree programs. The college transfer program is offered at all of the community colleges through one of more of these degrees programs.

The Comprehensive Articulation Agreement (CAA) addresses the transfer of Associate in Arts and Associate in Science students between institutions in the North Carolina Community College System and the constituent institutions of the University of North Carolina. Information about the Comprehensive Articulation Agreement can be located at http://www.nccommunitycolleges.edu/Programs/transfer-information.htm

The Independent Comprehensive Articulation Agreement (ICAA) between signatory institutions of the North Carolina Independent Colleges and Universities (NCICU) and the North Carolina Community College System (NCCCS) is intended to provide smooth transfer for community college AA and AS students who wish to continue their education at an NCICU institution which has signed the agreement. Information about the Independent Comprehensive Articulation Agreement can be located at http://www.ncicu.org/fast_facts.htm

The Associate in Arts (A10100) degree and the Associate in Science (A10400) program is approved to be offered at all of the 58 community colleges.

The following colleges are approved to offer the Associate in Fine Arts (A10200) degree program:

Asheville-Buncombe Technical Community College	Gaston College
Blue Ridge Community College	Guilford Technical Community College
Brunswick Community College	Isothermal Community College
Caldwell Community College and Technical Institute	Johnston Community College
Cape Fear Community College	Lenoir Community College
Carteret Community College	Mitchell Community College
Catawba Valley Community College	Piedmont Community College
Central Carolina Community College	Pitt Community College
Central Piedmont Community College	Roanoke-Chowan Community College
Cleveland Community College	Rockingham Community College
Coastal Carolina Community College	Rowan-Cabarrus Community College
College of The Albemarle	Sandhills Community College
Craven Community College	South Piedmont Community College
Davidson County Community College	Southeastern Community College
Durham Technical Community College	Southwestern Community College
Edgecombe Community College	Surry Community College
Fayetteville Technical Community College	Wake Technical Community College
Forsyth Technical Community College	Western Piedmont Community College

The Uniform Articulation Agreement between the University of North Carolina Baccalaureate Engineering programs and the North Carolina Community College System Associate in Engineering (AE) programs was approved by the State Board of Community Colleges and The UNC Board of Governors in February of 2015. This agreement promotes educational advancement opportunities for Associate in Engineering (A10500) degree completers moving between the NC community colleges and the constituent institutions of The University of North Carolina in order to complete Bachelor of Science in Engineering degrees. The following colleges are approved to offer the Associate in Engineering (A10500) degree program:

Asheville-Buncombe Technical Community College	Forsyth Technical Community College
Blue Ridge Community College	Gaston College
Brunswick Community College	Guilford Technical Community College
Catawba Valley Community College	Johnston Community College
Central Piedmont Community College	Mitchell Community College
Coastal Carolina Community College	Pitt Community College
College of The Albemarle	Richmond Community College
Craven Community College	Sandhills Community College
Durham Technical Community College	Wake Technical Community College
Fayetteville Technical Community College	Wilkes Community College

Associate in General Education (AGE)

The Associate in General Education program is designed for individuals wishing to broaden their education, with emphasis on personal interest, growth and development. The two-year AGE program provides students opportunities to study English, literature, fine arts, philosophy, social science, science and mathematics at the college level. All courses in the program are college-level courses. Many of the courses are equivalent to college transfer courses; however, the program is not principally designed for college transfer.

Successful completion of 64-65 semester hour credits leads to an associate in general education degree. The General Education program (A10300) is approved to be offered at the following community colleges:

Alamance Community College
Beaufort County Community College
Bladen Community College
Blue Ridge Community College
Brunswick Community College
Caldwell Community College & Technical Institute
Cape Fear Community College
Catawba Valley Community College
Central Carolina Community College
Cleveland Community College
College of The Albemarle
Craven Community College
Davidson County Community College
Durham Technical Community College
Edgecombe Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Halifax Community College
Haywood Community College
Isothermal Community College
James Sprunt Community College
Johnston Community College
Lenoir Community College

Martin Community College
Mayland Community College
McDowell Technical Community College
Mitchell Community College
Montgomery Community College
Nash Community College
Pamlico Community College
Piedmont Community College
Pitt Community College
Randolph Community College
Roanoke-Chowan Community College
Robeson Community College
Rowan-Cabarrus Community College
Sampson Community College
Sandhills Community College
South Piedmont Community College
Southeastern Community College
Southwestern Community College
Stanly Community College
Surry Community College
Tri-County Community College
Vance-Granville Community College
Wayne Community College
Western Piedmont Community College
Wilkes Community College
Wilson Community College

Developmental Education

Developmental Education supports the open-door admissions policy. Some students may find themselves under-prepared for their chosen programs of study. Developmental Education enables those persons to acquire the knowledge, skills, and behaviors that are necessary for college-level work, giving them a good probability of success in subsequent learning experiences.

The majority of developmental courses are in the areas of reading, writing, and mathematics, with enrollment in these courses based on the college placement testing for those areas. Enrollment in other developmental courses is based on testing or skills assessment specific to the content area(s) included in the learner's chosen program of study. Instruction in positive learner behaviors, such as test taking, time management and study skills, is provided in both formal and informal settings. Counseling, tutoring, and other academic and personal resource development activities and services are provided.

Career and College Promise

Session Law 2011-145, the Appropriations Act of 2011, authorized the State Board of Education and the State Board of Community Colleges to establish the Career and College Promise program, effective January 1, 2012. The purpose of Career and College Promise is to offer structured opportunities for qualified high school students to dually enroll in community college courses that provide pathways that lead to a certificate, diploma, or degree as well as provide entry-level jobs skills.

Career and College Promise offers North Carolina high school students a clear path to success in college or in a career. The program is free to all students who maintain a "B" average and meet other eligibility requirements. Through a partnership of the Department of Public Instruction, the N.C. Community College System, the University of North Carolina system and many independent colleges and universities, North Carolina is helping eligible high school students to begin earning college credit at a community college campus at no cost to them or their families.

The three pathways include:
1. College Transfer Pathways (CTP) requires the completion of at least 30 semester hours of transfer courses including English and mathematics.

2. Career and Technical Education Pathways (CTE) lead to a certificate or diploma aligned with a high school career cluster.

3. Cooperative Innovative High School Programs (CIHSP) are located on college campuses (unless a waiver was provided) and provide opportunities for students to complete an associate degree program or earn up to two years of college credit within five years. Examples include Early and Middle College High Schools.

For additional information about Career and College Promise, please visit the following website:

http://www.nccommunitycolleges.edu/academic-programs/career-college-promise

College Tech Prep

College Tech Prep (CTP) in North Carolina has a vision of a well-educated, high-performance, 21st century workforce created through its mission of strategic partnerships among secondary and postsecondary education, business and industry, and economic and workforce development. The goal of CTP is to prepare students for employment and continuous learning through rigorous, relevant, and integrated academic and technical instruction in secondary and postsecondary education programs.

CTP is a seamless educational strategy that begins in high school and continues through community college resulting in a two-year college certificate, associate degree, baccalaureate degree, or completion of a registered apprenticeship. CTP combines a rigorous academic core of courses with a focused sequence of technical courses in any career pathway within the 16 Career Clusters. Students who excel in their high school Career and Technical Education (CTE) courses also may receive community college credit when those courses have comparable competencies with college courses.

CTP helps prepare students to enter and succeed in the 21st century workforce by requiring cooperation and mutual collaboration among educators, employers, families, and policy makers in the community. CTP requires the same high level of achievement for all students while recognizing and addressing a variety of learning styles. CTP integrates relevant applications into academics and encourages critical thinking and lifelong learning.

Continuing Education

Lifelong learning for North Carolinians is a basic mission of the Community College System. Through its continuing education programs, the System addresses the total learning needs of adults as individuals, members of society and the workforce. Continuing education programs offer numerous opportunities for specific job training and retraining, basic skills education and improved use of leisure time.

The following programs promote industrial and business growth, respond to changes in economic development patterns, and train the citizens of North Carolina to qualify for challenging employment opportunities created by the State's dynamic economic growth. For more information, visit the North Carolina Community College website for continuing education at: http://www.nccommunitycolleges.edu/Business_and_Industry/continuingeducation.htm

Workforce Continuing Education programs are designed to provide training opportunities for individuals seeking to gain new and/or upgrade current job-related skills. Course offerings are noncredit, short-term (1 to 16 weeks), and may be offered as a single course or a series of courses specifically designed to meet industry requirements for initial certification/licensure, renewal, registry listing, CEUs, skill development, or exam preparation. This unit maintains the accuracy and relevancy of **800+ courses** in the NCCCS Combine Course Library.

Community Service programs provide courses, seminars, and community activities that contribute to an individual's cultural, civic, and/or personal growth. The cultural and civic component of this program meets community needs through lecture and concert series, art shows, the use of college facilities by community groups, providing speakers to community organizations, and providing visiting artist activities for college communities.

Basic Skills

Adult High School

The Adult High School Diploma Program is designed for adults who desire to complete their high school education and is offered in cooperation with the North Carolina Department of Public Instruction. The program of study follows the Future-Ready Core Course of Study adopted by the *State Board of Education*. Students should be 18 years of age or older, however, some 16 and 17 year-old students may enter with special permission after a mandatory six-month waiting period. All applicants must score at a ninth-grade reading level or above on the reading placement tests. Instruction may be offered in a classroom setting, through learning laboratory courses, online, or a combination of the above. A diploma is awarded upon program completion.

Adult High School Equivalency Certificate

The Adult High School Equivalency Certificate program provides instruction and testing for adults to complete their high school equivalency. The test consists of five tests in the areas of writing, social studies, science, literature and mathematics. Adults who achieve a minimum qualifying standard score of 410 on each test and a total minimum score of 2,250 are awarded a General Education Development Equivalency Diploma by the State Board of Community Colleges. Students should be 18 years of age or older, however, some 16 and 17 year-old students may enter with special permission after a mandatory six-month waiting period.

Adult Basic Education (ABE)

The Adult Basic Education (ABE) program is designed for adults, 16 or older, who are no longer enrolled in high school and are functioning below the high school level. The major objective of the program is to provide instruction in reading, writing, and mathematics.

English as a Second Language (ESL)

The English as a Second Language (ESL) program is a program of instruction designed for adults who are limited English proficient and whose primary language is not English. Classes are offered at the beginning through the advanced levels of ESL. The curriculum is designed to develop the basic language skills of reading, writing, speaking and listening. Instruction integrates the English language with topics that prepare students for everyday life, employment and citizenship.

Compensatory Education (CED)

Compensatory Education (CED) is a community college program designed to compensate adults with intellectual disabilities who have not had an education or who have received an inadequate one. The Compensatory Education Program provides students with the opportunity to develop skills needed to achieve independence, productivity, integration, and inclusion in communities in which they live. It is the intent of this program to make available to students the necessary supports and learning experiences to make informed choices regarding where they live, work and socialize.

Economic and Workforce Development

Customized Training

The Customized Training Program provides training assistance for full-time production and direct customer services positions for new and existing companies in North Carolina. The program is dedicated to the enhancement of workforce skills essential to successful employment. Eligible companies must demonstrate two of the following criteria: 1) The business is making an appreciable capital investment; 2) The business is deploying new technology; 3) The business is creating jobs, expanding an existing workforce, or enhancing the productivity and profitability of the operations within the State; and 4) The skills of the workforce will be enhanced by the assistance. For additional information on Customized Training throughout North Carolina, visit the North Carolina Community College System Economic Development website at: http://www.nccommunitycolleges.edu/Business_and_Industry.

Small Business Center Network (SBCN)

The programs and services of the Small Business Center Network promote entrepreneurship and the development of small businesses across North Carolina. The Small Business Center Network is made up of 58 Small Business Centers, one at each of our state's 58 community colleges. The centers are local, community-based resources that help existing and potential small business owners plan and operate successfully. The specialized staff assist with business plan development and review, information on financial support, one-on-one business counseling, and referrals to other agencies and sources of business assistance. Additionally, the centers provide free and low cost seminars and courses and serve as a resource library of relevant business publications, videos/audios and software.

JobLink Career Centers

JobLink Career Centers are user friendly facilities which provide job seekers, training seekers, and employers access to a variety of employment and training services and information all under one roof. The core services available in each JobLink Career Center are: Job Listings, Job Placement; Labor Marker Information; Career Information and Guidance; Assessment; Case Management; and Information About Education and Training Services.

North Carolina community colleges are integral partners in the JobLink Career Centers. For additional information on Career Centers throughout North Carolina, visit the following web site: http://www.nccommerce.com/workforce/job-seekers/joblink-career-centers.

Human Resources Development (HRD)

The Human Resources Development (HRD) program provides workforce development training to individuals in transition. The goal of the HRD program is three pronged in its purpose: to provide program outreach and student recruitment activities to unemployed and underemployed individuals, to enhance and develop employability skills, and to assist individuals in accessing meaningful training and/or employment opportunities.

There are six HRD courses listed on the Continuing Education Master Course List - Employability Skills (HRD 3001), HRD Employability Lab (HRD 3002), Career Planning and Assessment (HRD 3003), Career Readiness/Pathways (HRD 3004), Technology Awareness (HRD 3005), Employability Motivation and Retention (HRD 3006). HRD courses are open to all and are fee waived to unemployed individuals, dislocated workers, and workers earning at or below 200% of the federal poverty standards.

Being student-centered, the HRD program focuses its activities toward providing instructional training in employability skills specifically designed to meet the needs of individuals facing job transition, skill and self- assessment activities designed to identify the individual's interests, work values, aptitudes, and/or job readiness as related to career, employment, and/or educational goals, and career development activities to include career and/or academic planning and advisement, job search strategies for the 21st century, post-training placement assistance and follow-up counseling, and linkages to community support services.

Learning Laboratory

Learning laboratory programs provide an opportunity for adults to continue their education regardless of the starting level. In a learning laboratory, students can learn to read, write, work mathematics or speak well. The laboratory program can help students pass examinations, complete requirements for the Adult High School Equivalency test or Adult High School Diploma, and/or keep pace in a regular curriculum program. Learning labs also offer individuals the opportunity to be better prepared for a present job, to prepare for advancement or to take courses for self-improvement.

The laboratories present material in small, sequential steps, moving gradually from basic and easily learned material to difficult concepts. Students may enroll in a learning laboratory at any time during the year. Students set up their own schedules and progress at their own rates.

Apprenticeship

The apprenticeship program is recognized as one of the leading methods for acquiring skills and knowledge necessary to become a craftsman. Business and industry, the North Carolina Department of Commerce and community colleges work together to provide apprenticeship programs consisting of on-the-job training and related instruction. Colleges provide the related instruction for both registered and non-registered apprentices. Related instruction may be provided through classroom instruction, correspondence or individualized instructional programs. Anyone interested in an apprenticeship program should consult his or her employer, the local community college or the nearest Department of Commerce office.

Work-Based Learning

Work-Based Learning (WBL) courses are designed to provide students with exposure to supervised work experience in industry, business, government, health or service work situations. They are joint ventures between the educational institution and employers that help prepare students for responsible positions in the world of work. Students may earn college credit for Work-Based Learning when it directly relates to their program of study.

The North Carolina Department of Commerce administers a Registered Apprenticeship program that helps workers learn new specialized skills needed in today's workforce. The apprenticeship program combines on-the-job training with invaluable classroom instruction. A student enrolled in a community college technical education program, may utilize WBL for the on-the-job training requirement of the apprenticeship.

SECTION 3
CERTIFICATE, DIPLOMA AND ASSOCIATE IN APPLIED SCIENCE PROGRAMS

As of August 16, 2012

Currently, colleges in the North Carolina Community College System offer more than 200 different certificate, diploma and Associate in Applied Science programs. These programs are divided among ten different occupational program areas.

Descriptions of the certificate, diploma and Associate in Applied Science programs follow. These programs are arranged according to their occupational categories. If you are unsure how a particular program is categorized, consult the index in the back of the catalog. ***Program listings do not guarantee program availability and are subject to change as the needs change. For more information about a particular program, please contact the college offering the program in which you are interested.***

Key to Curriculum Title Code Listings:

The first character of the program code denotes the program's credential level:

> A=associate degree   C=certificate   D=diploma

The second and third digits of the program code denote the program group title:

15	Agricultural and Natural Resources Technologies	40	Engineering Technologies
20	Biological and Chemical Technologies	45	Health Sciences
25	Business Technologies	50	Industrial Technologies
30	Commercial & Artistic Production Technologies	55	Public Service Technologies
35	Construction Technologies	60	Transport Systems Technologies

The fourth and fifth digits of the program code denote the individual program.

The sixth digit of the program code denotes a concentration within a program.

**College Tech Prep Programs*

The Tech Prep/Associate Degree course of study has been developed to guide students from high school preparation to the Associate in Applied Science degree at community colleges. The Tech Prep course of study forms a firm academic and technological foundation for high school students to move through community college associate degree programs into successful participation in the world of work. The curriculums marked by an asterisk (*) are appropriate curriculums to articulate with the high school Tech Prep program.

Career Clusters

Many of the curriculum programs, especially in the areas of Agricultural, Biological/Chemical, Construction, Industrial, Engineering, and Transportation technologies, are based on a national career and technical education (CTE) standardized curriculum model that is designed to support and promote articulation. Additional information about Career Clusters is included in the *North Carolina Career Clusters Guide* which was developed by the North Carolina Department of Public Instruction and the North Carolina Community College system to link the academic and Career and Technical Education programs at the secondary and postsecondary levels to increase student achievement. Additional information about Career Clusters is located at: http://www.nc-net.info/NC_career_clusters_guide.php or http://www.careertech.org.

Agricultural and Natural Resources Technologies

The Agricultural and Natural Resources Technologies programs prepare graduates for occupations concerned with producing, processing and distributing agricultural products and with the care, management and preservation of natural resources for food, fiber and recreation.

Graduates should qualify for jobs in agricultural production and management, agri-business firms, horticultural enterprises, agricultural chemical companies, agricultural research facilities, food processing businesses, forest service and industries, soil and water conservation districts, waste water treatment plants, animal care facilities and parks and recreation firms. This program area consists of the following curriculums:

Agribusiness Technology (A15100)	Greenhouse and Grounds Maintenance (Certificate)(C15220)
Applied Animal Science Technology (A15280)	Horticulture Technology (A15240)
Aquaculture Technology (A15120)	Landscape Gardening (A15260)
Brewing, Distillation and Fermentation (A15250)	Marine Sciences (A15310)
Equine Business Technology (A15170)	Marine Technology (A15320)
Equine Training Technology (A15190)	Poultry Management Technology (A15130)
Fish and Wildlife Management Technology (A15160)	Sustainable Agriculture (A15410)
Forestry Management Technology (A15200)	Swine Management Technology (A15150)
Golf Course Management Technology (A15230)	Turfgrass Management Technology (A15420)
	Viticulture and Enology Technology (A15430)

*Agribusiness Technology (A15100)

Agribusiness: Agricultural Science Technology Curriculum Standard/Agribusiness Systems Pathway
Career Cluster: Agriculture, Food, and Natural Resources

The Agribusiness Technology curriculum is designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices.

Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture.

Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

This program prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Potential course work includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities. The following colleges are approved to offer this program:

Beaufort County Community College	Mitchell Community College
Bladen Community College	South Piedmont Community College
Isothermal Community College	Wayne Community College
James Sprunt Community College	

*Applied Animal Science Technology (A15280)

Animal Systems: Applied Animal Science Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that prepares individuals to select, breed, care for, process, and market livestock and small farm **animal**s. 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. The following colleges are approved to offer this program:

James Sprunt Community College   Wayne Community College
Sampson Community College   Wilkes Community College

*Aquaculture Technology (A15120)

Animal Systems: Aquaculture Technology
Career Cluster: Agriculture, Food, and Natural Resources

The Aquaculture Technology curriculum prepares individuals for careers in aquaculture and management of aquatic ecosystems. It provides a broad background in science and math as well as specialized course work and practical experience in fish, shellfish, and aquatic plant production and management.

Course work includes biology, chemistry, and math, as well as water quality and limnology, nutrition and feeding, genetics and breeding, facilities construction, and business. Students will spend time working in the industry through the cooperative work experience or conducting an individualized study through the aquaculture project.

Graduates may find employment on private farms and government hatcheries or at public aquariums. Graduates may also start new businesses in fish, shellfish, or aquatic plant farming; pond and lake management services; or home/office aquarium or water garden management services.

Aquaculture Technology. A program that prepares individuals to select, culture, propagate, harvest, and market domesticated fish, shellfish, and marine plants, both freshwater and saltwater. Potential course work includes instruction in the basic principles of aquatic and marine biology; health and nutrition of aquatic and marine life; design and operation of fish farms, breeding facilities, culture beds, and related enterprises; and related issues of safety, applicable regulations, logistics, and supply.

The following colleges are approved to offer this program:

Brunswick Community College   Carteret Community College

*Brewing, Distillation and Fermentation (A15250)

Career Cluster: Agriculture, Food and Natural Resources

This curriculum is designed to prepare individuals for various careers in the brewing, distillation and fermentation industry. Classroom instruction, practical laboratory applications of brewing, distillation and fermentation principles and practices are included in the program of study.

Course work in brewing, distillation and fermentation includes production, operations, safety and sanitation, and associated process technologies. Related course work is offered in fermentation production, safety and sanitation, applied craft beverage microbiology, agriculture, marketing, management, equipment, packaging, and maintenance.

Graduates should qualify for employment opportunities in the brewing, distillation and fermentation industry. Students may be eligible to sit for the professional Institute of Brewing and Distilling (IBD) certification exams which correspond to the program of study.

This program prepares individuals to apply technical knowledge and skills to brew, distill and ferment various products, including beverages. Includes instruction in production of fermented products, cultivating, marketing, management, legal issues, inspection, maintenance, service and repair of equipment, facility operations, packaging, sanitation, and welding. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Blue Ridge Community College
Nash Community College
Rockingham Community College

*Equine Business Technology (A15170)

Animal Systems: Equine Science Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that prepares individuals to manage the selection, breeding, care, and maintenance of work, athletic, and show horses; and to manage horse farms, stables, tracks and related equipment and operations. Potential course work includes instruction in applicable principles of animal science, care, and health; stable and track management; design and operation of facilities and equipment; and related issues such as regulations, business management; and logistics. The following college is approved to offer this program:

Martin Community College

*Equine Training Technology (A15190)

Animal Systems: Equine Science Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that focuses on the horse, horsemanship, and related subjects and prepares individuals to care for horses and horse equipment; ride and drive horses for leisure, sport, show, and professional purposes; and manage the training of horses and riders. Potential course work includes instruction in horse breeding, nutrition, health, and safety; history of the horse and horsemanship; horse development and training; riding and equestrian technique; stable, paddock, and track management; and equipment maintenance and repair. The following college is approved to offer this program:

Martin Community College

*Fish and Wildlife Management Technology (A15160)

Natural Resources Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that prepares individuals to conserve and manage wilderness areas and the life therein, and manage wildlife reservations and zoological/aquarium facilities for recreational, commercial, and ecological purposes. Potential course work includes instruction in wildlife biology, marine/aquatic biology, environmental science, freshwater and saltwater ecosystems, natural resources management and policy, outdoor recreation and parks management, the design and operation of natural and artificial **wildlife** habitats, applicable law and regulations, and related administrative and communications skills.

Fish and Wildlife Management Technology: A program that prepares individuals to conserve and manage wilderness areas and the life therein, and manage wildlife reservations and zoological/aquarium facilities for recreational, commercial, and ecological purposes. Potential course work includes instruction in wildlife biology, marine/aquatic biology, environmental science, freshwater and saltwater ecosystems, natural resources management and policy, outdoor recreation and parks management, the design and operation of natural and artificial wildlife habitats, applicable law and regulations, and related administrative and communications skills. The following college is approved to offer this program:

Haywood Community College

*Forestry Management Technology (A15200)

Natural Resources Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that prepares individuals to manage and produce forest resources. Potential course work includes instruction in woods and field skills, tree identification, timber measurement, logging and timber harvesting, forest propagation and regeneration, forest fire-fighting, resource management, equipment operation and maintenance, record-keeping, sales and purchasing operations, and personnel supervision. The following colleges are approved to offer this program:

Haywood Community College   Southeastern Community College
Montgomery Community College   Wayne Community College

*Golf Course Management Technology (A15230)

Plant Systems: Horticultural Science Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that prepares individuals to manage the operation of **golf course**s. Potential course work includes instruction in turf grass science and management, **golf course** design and construction, grounds equipment and operation, pest control, and grounds management. The following college is approved to offer this program:

Sandhills Community College

Greenhouse and Grounds Maintenance (Certificate) (C15220)

The Greenhouse and Grounds Maintenance curriculum provides individuals from special populations with experience in general horticultural principles and applications. This training provides a setting that is conducive to students' vocational and personal growth.

Course work includes extensive hands-on experience in identification and use of horticultural materials, greenhouse production, nursery production, landscape and grounds maintenance practices, and other related topics.

Graduates should qualify for entry-level positions in the horticultural industry and related fields. The following colleges are approved to offer this program:

Halifax Community College
Johnston Community College

*Horticulture Technology (A15240)

Plant Systems: Horticultural Science Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that focuses on the general production and management of cultivated plants, shrubs, flowers, foliage, trees, groundcovers, and related plant materials; the management of technical and business operations connected with horticultural services; and the basic scientific principles needed to understand plants and their management and care. The following colleges are approved to offer this program:

Alamance Community College
Blue Ridge Community College
Brunswick Community College
Catawba Valley Community College
Central Piedmont Community College
Edgecombe Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Haywood Community College
Johnston Community College
Lenoir Community College

Mayland Community College
 awards the credential in collaboration with:
  Caldwell Community College &
  Technical Institute
Pamlico Community College
Pitt Community College
Rockingham Community College
Sampson Community College
Surry Community College
Western Piedmont Community College
Wilkes Community College

*Landscape Gardening (A15260)

Plant Systems: Horticultural Science Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that prepares individuals to manage and maintain indoor and/or outdoor ornamental and recreational plants and groundcovers and related conceptual designs established by landscape architects, interior designers, enterprise owners or managers, and individual clients. Potential course work includes instruction in applicable principles of **horticulture**, gardening, plant and soil irrigation and nutrition, turf maintenance, plant maintenance, equipment operation and maintenance, personnel supervision, and purchasing. The following colleges are approved to offer this program:

Caldwell Community College and Technical Institute
Cape Fear Community College

Forsyth Technical Community College
Sandhills Community College

*Marine Sciences (A15310)

Natural Resource Systems: Marine Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that focuses on the scientific study of the ecology and behavior of microbes, plants, and animals inhabiting oceans, coastal waters, and saltwater wetlands and their interactions with the physical environment. Potential course work includes instruction in chemical, physical, and geological oceanography; molecular, cellular, and biochemical studies; marine microbiology; marine botany; ichthyology; mammalogy; marine population dynamics and biodiversity; reproductive biology; studies of specific species, phyla, habitats, and ecosystems; marine paleocology and palentology; and applications to fields such as fisheries science and biotechnology.

Marine Science: A program that focuses on the scientific study of the ecology and behavior of microbes, plants, and animals inhabiting oceans, coastal waters, and saltwater wetlands and their interactions with the physical environment. Potential course work includes instruction in chemical, physical, and geological oceanography; molecular, cellular, and biochemical studies; marine microbiology; marine botany; ichthyology; mammalogy; marine population dynamics and biodiversity; reproductive biology; studies of specific species, phyla, habitats, and ecosystems; marine paleocology and palentology; and applications to fields such as fisheries science and biotechnology. The following college is approved to offer this program:

College of The Albemarle

*Marine Technology (A15320)

Natural Resource Systems: Marine Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that provides the practical and academic skills essential for success in marine scientific support. Training in the operation and maintenance of seismic and hydrographic instrumentation including: side scan sonar, multibeam echo sounders, and sub-bottom profilers is provided in the classroom and underway at sea. Additional course work includes: classic and digital navigation techniques, practical applications of boat handling, seamanship, marlinspike seamanship, and safety at sea. Instruction applicable to fisheries science and environmental assessment is provided.

Marine Technology: A program that provides the practical and academic skills essential for success in marine scientific support. Training in the operation and maintenance of seismic and hydrographic instrumentation including: side scan sonar, multibeam echo sounders, and sub-bottom profilers is provided in the classroom and underway at sea. Additional course work includes: classic and digital navigation techniques, practical applications of boat handling, seamanship, marlinspike seamanship, and safety at sea. Instruction applicable to fisheries science and environmental assessment is provided. The following college is approved to offer this program:

Cape Fear Community College

*Poultry Management Technology (A15130)
Animal Systems: Applied Animal Science Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that focuses on the application of biological and chemical principles to the production and **management** of **poultry** animals and the production and handling of **poultry** products. Potential course work includes instruction in avian sciences, nutrition sciences, food science and technology, biochemistry, hatchery design, and related aspects of human and animal health and safety.

No colleges are currently approved to offer this program.

*Sustainable Agriculture (A15410)

Agribusiness: Agricultural Science Technology Curriculum Standard/Agribusiness Systems Pathway
Career Cluster: Agriculture, Food, and Natural Resources

The Sustainable Agriculture curriculum is designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices.

Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture.

Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

This program focuses on agricultural principles and practices that, over the long term, enhance environmental quality, make efficient use of nonrenewable resources, integrate natural biological cycles and controls, and are economically viable and socially responsible; and that may prepare individuals to apply this knowledge to the solution of agricultural and environmental problems. Potential course work includes instruction in principles of agroecology, crop and soil sciences, entomology, horticulture, animal science, weed science and management, soil fertility and nutrient cycling, applied ecology, agricultural economics, and rangeland ecology and watershed management. The following colleges are approved to offer this program:

Central Carolina Community College
Lenoir Community College
Southeastern Community College

Wayne Community College
Western Piedmont Community College

*Swine Management Technology (A15150)

Animal Systems: Applied Animal Science Technology
Career Cluster: Agriculture, Food, and Natural Resources

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. The following college is approved to offer this program:

James Sprunt Community College
  awards the credential in collaboration with:
        Edgecombe Community College

*Turfgrass Management Technology (A15420)

Plant Systems: Horticultural Science Technology
Career Cluster: Agriculture, Food, and Natural Resources

A program that focuses on **turfgrass**es and related groundcover plants and prepares individuals to develop ornamental or recreational grasses and related products; plant, transplant, and manage grassed areas; and to produce and store turf used for transplantation. Potential course work includes instruction in applicable plant sciences, genetics of grasses, turf science, use analysis, turf management, and related economics. The following colleges are approved to offer this program:

Brunswick Community College
Catawba Valley Community College
Central Piedmont Community College

Guilford Technical Community College
Sandhills Community College
Wayne Community College

*Viticulture and Enology Technology (A15430)

Plant Systems: Viticulture and Enology Technology
Career Cluster: Agriculture, Food, and Natural Resourses

A program that focuses on the application of scientific and agribusiness principles to the production of grapes, the making of wine, and the wine business. Potential course work includes instruction in grapes and wines of the world; grape production; winemaking technology; plant biology; chemistry; food science, safety, and packaging; soil science; pest management; and marketing and business management. The following colleges are approved to offer this program:

James Sprunt Community College
Surry Community College

Biological and Chemical Technologies

The Biological and Chemical Technologies programs prepare individuals to work in occupations whose focus is on laboratory analysis in biological, chemical and environmental testing, and consulting. This program area contains the following curriculums:

Agricultural Biotechnology (A20110)
Alternative Energy Technology: Biofuels (A20130)
Aquarium Science Technology (A20260)
Biopharmaceutical Technology (A20180)
Biotechnology (A20100)
Chemical Technology (A20120)
Environmental Biotechnology (A20150)

Environmental Management Technology (A20230)
Environmental Science Technology (A20140)
Invasive Species Management Technology (A20240)
Laboratory Technology (A20160)
Marine Biotechnology (A20170)
Nanotechnology (A20190)
Zoological Science Technology (A20250)

*Agricultural Biotechnology (A20110)

Science and Math: Biotechnology
Career Cluster: Science, Technology, Engineering, and Math

A program that focuses on the application of molecular biology, biochemistry, and biophysics to the study of biomolecular structures, functions, and processes specific to plants and plant substances. Potential course work includes instruction in the biochemistry of plant cells, nuclear-cytoplasmic interactions, molecular cytostructures, photosynthesis, plant molecular genetics, and the molecular biology of plant diseases. The following colleges are approved to offer this program:

Southeastern Community College

*Alternative Energy Technology: Biofuels (A20130)

The Alternative Energy Technology: Biofuels curriculum is designed to provide individuals with the educational foundation and technical skills necessary to obtain employment in the biofuels industry or to create a new business dealing with biofuels.

Course work includes general education, alternative energy resource management, chemistry, industrial safety, and an array of coursework specific to all sectors of the biofuels industry.

Graduates of the curriculum should qualify for numerous positions within the industry. Employment opportunities include, but are not limited to, plant technician, plant manager, lab technician, sales manager, process coordinator, fuel purchaser, or business owner. No college is approved to offer this program.

*Aquarium Science Technology (A20260)

Science and Math: Zoo and Aquarium Science Technology
Career Cluster: Science, Technology, Engineering and Math

A program that prepares individuals to conserve and manage wilderness areas and the flora, marine and aquatic life therein, and manage wildlife reservations and **zoo**logical/aquarium facilities for recreational, commercial, and ecological purposes. Potential course work includes instruction in wildlife biology, marine/aquatic biology, freshwater and saltwater ecosystems, the design and operation of natural and artificial wildlife habitats, limnology, wildlife pathology, and vertebrate zoological specializations such as mammalogy, herpetology, ichthyology, ornithology, and others. The following college is approved to offer this program:

Davidson County Community College

*Biopharmaceutical Technology (A20180)

The Industrial Pharmaceutical 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. The following college is approved to offer this program:

Wake Technical Community College

*Biotechnology (A20100)
Science and Math: Biotchnology
Career Cluster: Science, Technology, Engineering, and Math

A program that focuses on the application of the biological sciences, biochemistry, and genetics to the preparation of new and enhanced agricultural, environmental, clinical, and industrial products, including the commercial exploitation of microbes, plants, and animals. Potential course work includes instruction in general biology, general and organic chemistry, physics, biochemistry, molecular biology, immunology, microbiology, genetics, and cellular biology. The following colleges are approved to offer this program:

Alamance Community College
   awards the credential in collaboration with:
      Guilford Technical Community College
Brunswick Community College
Cleveland Community College
Forsyth Technical Community College
Gaston College
   awards the credential in collaboration with:
      South Piedmont Community College

Pitt Community College
   awards the credential in collaboration with:
      Carteret Community College
      College of The Albemarle
      Craven Community College
      Edgecombe Community College
      James Sprunt Community College
      Martin Community College
      Nash Community College
      Pamlico Community College
      Roanoke-Chowan Community College
      Sandhills Community College
      Wilson Community College
Rowan-Cabarrus Community College

*Chemical Technology (A20120)

The Chemical Technology curriculum prepares individuals for work as analytical technicians in chemical laboratories associated with chemical production, environmental concerns, pharmaceuticals, or general analysis.

Course work includes general chemistry, organic chemistry, introductory chemical engineering, qualitative analysis, and quantitative analysis, including such instrumental techniques as spectroscopy (UV-Vis, IR, AA) and chromatography (GC, LC). Students also utilize computerized data collection, reduction, and graphic presentation.

Graduates should qualify as entry-level chemical laboratory technicians. Their duties may include chemical solution preparation; raw material, product, or environmental sampling; and/or sample testing via wet chemistry or instrumental techniques. The following college is approved to offer this program:

Cape Fear Community College

*Environmental Biotchnology (A20150)

Science and Math: Biotchnology
Career Cluster: Science, Technology, Engineering, and Math

A program that focuses on the scientific study of natural systems (air, water, and soil) through the use of chemical techniques and instrumentation, with an emphasis on the movement and fate of pollutants and chemical aspects of contaminant remediation. Potential course work includes instruction in analytical, inorganic, organic, and physical chemistry; aquatic, soil, and atmospheric chemistry; **environment**al engineering; **environment**al toxicology; and analytical methods.

No colleges are currently approved to offer this program.

*Environmental Management Technology (A20230)

Science and Math: Environmental Science Technology
Career Cluster: Science, Technology, Engineering, and Math

A general program that focuses on the studies and activities relating to the natural environment and its conservation, use, and improvement. Potential course work includes instruction in subjects such as climate, air, soil, water, **land**, fish and wildlife, and plant resources; in the basic principles of environmental science and natural resources management; and the recreational and economic uses of renewable and nonrenewable natural resources. The following college is approved to offer this program:

Pamlico Community College

*Environmental Science Technology (A20140)

Science and Math: Environmental Science Technology
Career Cluster: Science, Technology, Engineering, and Math

A program that focuses on environment-related issues using scientific, social scientific, or humanistic approaches or a combination. Potential course work includes instruction in the basic principles of ecology and environmental science and related subjects such as policy, politics, law, economics, social aspects, planning, pollution control, natural resources, and the interactions of human beings and nature. The following colleges are approved to offer this program:

Blue Ridge Community College
 awards the credential in collaboration with:
     Southwestern Community College
Forsyth Technical Community College

Pamlico Community College
Southeastern Community College
Wake Technical Community College
Western Piedmont Community College

*Invasive Species Management Technology (A20240)

Science and Math: Environmental Science Technology
Career Cluster: Science, Technology, Engineering, and Math

A program that focuses on the application of economic concepts and methods to the analysis of issues such as air and water pollution, land use planning, waste disposal, invasive species and pest control, conservation policies, and related environmental problems. Potential course work includes instruction in cost-benefit analysis, environmental impact assessment, evaluation and assessment of alternative resource management strategies, policy evaluation and monitoring, and descriptive and analytic tools for studying how environmental developments affect the economic system. The following college is approved to offer this program:

Southeastern Community College

*Laboratory Technology (A20160)

Science and Math: Biotchnology
Career Cluster: Science, Technology, Engineering, and Math

A program that prepares individuals to apply scientific principles and technical skills in support of biologists and biotechnologists in research, industrial, and government settings. Potential course work includes instruction in fermentation technology, cell culturing, protein purification, biologic synthesis, assaying and testing, quality control, industrial microbiology, bioprocessing, chromatography and bioseparation, genetic technology, laboratory and hazardous materials safety, and computer applications. No colleges are approved to offer this program.

Marine Biotechnology* (A20170)

Science and Math: Biotchnology
Career Cluster: Science, Technology, Engineering, and Math
A program that focuses on the scientific study of the ecology and behavior of microbes, plants, and animals inhabiting aquatic environments. Potential course work includes instruction in geology and hydrology; **aqua**tic ecosystems; microbiology; mycology; botany; ichthyology; mammalogy; population biology and biodiversity; studies of specific species, phyla, and habitats; and applications to fields such as natural resources conservation, fisheries science, and biotechnology. The following college is approved to offer this program:

Brunswick Community College

*Nanotechnology (A20190)

The Nanotechnology curriculum prepares students to characterize and fabricate materials for biological, textile, chemical, and electrical applications at the atomic level in entry-level positions in engineering, manufacturing and/or medical research and development.

Course work includes biology, chemistry, physics, mathematics, manufacturing engineering technology, and an extensive array of very detailed nanotechnology-specific courses, using high-tech equipment and complying with high-precision quality control and clean-room protocols.

Graduates should qualify for various positions of industry and government, including research and development, materials testing and processing, optics and sensors, electron microscopy, and emerging nanotechnology industries. The following college is approved to offer this program:

Forsyth Technical Community College

*Zoological Science Technology (A20250)

Science and Math: Zoo and Aquarium Science Technology
Career Cluster: Science, Technology, Engineering and Math

A program that focuses on the application of biological principles to the study of vertebrate wildlife, wildlife habitats, and related ecosystems in remote and urban areas. Potential course work includes instruction in animal ecology; adaptational biology; urban ecosystems; natural and artificial habitat management; limnology; wildlife pathology; and vertebrate zoological specializations such as mammalogy, herpetology, ichthyology, ornithology, and others. The following college is approved to offer this program:

Davidson County Community College

Business Technologies

Business Technologies programs offer training in a variety of business-related areas, preparing graduates for positions in accounting, computer technologies, finance, hospitality and travel, insurance, management, marketing, and office support occupations. Technical training is integrated into all business programs, along with essential workplace skills such as communication, critical thinking, problem solving, team building, and decision making. Many programs include opportunities for practical work experiences through cooperative education arrangements with local employers. The following curriculums are included in this program area:

Accounting (A25100)
Business Administration (A25120)
Business Analytics (A25350)
Computer Information Technology (A25260)
Computer Programming (A25130)
Computer Technology Integration (A25500)
Court Reporting and Captioning (A25140)
Database Management (A25150)
Digital Media Technology (A25210)
Entertainment Technologies (A25190)
Entrepreneurship (A25490)
Financial Services (A25330)
Gaming Management (A25250)
Global Logistics and Distribution Management Technology (A25610)
Healthcare Business Informatics (A25510)
Healthcare Management Technology (A25200)
Health Unit Coordinator (Certificate) (C25220)
High Performance Computing (A25230)
Hospitality Management (A25110)

Hunting and Shooting Sports Management (A25600)
Information Systems Security (A25270)
Information Systems Security/Security Hardware (A2527B)
Insurance (Certificate) (C25280)
Medical Office Administration (A25310)
Medical Transcription (Diploma) (D25320)
Networking Technology (A25340)
Nonprofit Leadership and Management (A25410)
Office Administration (A25370)
Office Administration/Legal (A2537A)
Office Administration/Virtual Office Assistance (A2537B)
Paralegal Technology (A25380)
Project Management Technology (A25390)
Real Estate (A25400)
Real Estate Appraisal (A25420)
Real Estate Licensing (Certificate) (C25480)
Simulation and Game Development (A25450)
Travel and Tourism Technology (A25440)
Voice Writing Realtime Reporting (A25460)
Web Technologies (A25290)

*Accounting (A25100)

The Accounting curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting profession. Using the "language of business," accountants assemble and analyze, process, and communicate essential information about financial operations.

In addition to course work in accounting principles, theories, and practice, students will study business law, finance, management, and economics. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies. With work experience and additional education, an individual may advance in the accounting profession. The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Blue-Ridge Community College
Brunswick Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Catawba Valley Community College
Central Carolina Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
Craven Community College
Davidson County Community College
Durham Technical Community College
Edgecombe Community College
Fayetteville Technical Community College
   Awards the credential in collaboration with:
      Bladen Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Haywood Community College
Isothermal Community College
James Sprunt Community College
Johnston Community College
Lenoir Community College

Martin Community College
McDowell Technical Community College
Mitchell Community College
Montgomery Community College
Nash Community College
Pamlico Community College
Piedmont Community College
Pitt Community College
Randolph Community College
Richmond Community College
Roanoke-Chowan Community College
Robeson Community College
Rockingham Community College
Rowan-Cabarrus Community College
Sampson Community College
Sandhills Community College
South Piedmont Community College
Southwestern Community College
Stanly Community College
Surry Community College
Tri-County Community College
Vance-Granville Community College
Wake Technical Community College
Wayne Community College
Western Piedmont Community College
Wilkes Community College
Wilson Community College

*Business Administration (A25120)

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions and processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

The program is approved to be offered at all of the 58 community colleges.

*Business Analytics (A25350)

The Business Analytics curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in analytical professions. Business analysts process and analyze essential information about business operations and also assimilate data for forecasting purposes.

Students will complete course work in business analytics, including general theory, best practices, data mining, data warehousing, predictive modeling, project and operations management, statistical analysis, and software packages. Related skills include business communication, critical thinking and decision making.

Graduates should qualify for employment as data technicians, data scientists, business and data analytics engineers, and business analysts in the fields of finance, banking, logistics, marketing, healthcare, manufacturing, information technology, and government organizations. The following college is approved to offer this program:

Wake Technical Community College

*Computer Information Technology

(A25260)

The Computer Information Technology curriculum is designed to prepare graduates for employment with organizations that use computers to process, manage, and communicate information. This is a flexible curriculum that can be customized to meet community information systems needs.

Course work will develop a student's ability to communicate complex technical issues related to computer hardware, software, and networks in a manner that computer users can understand. Classes cover computer operations and terminology, operating systems, database, networking, security, and technical support.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to manage information. Graduates should be prepared to sit for industry-recognized certification exams. The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Beaufort County Community College
Bladen Community College
Blue-Ridge Community College
Brunswick Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Carteret Community College
Catawba Valley Community College
Central Carolina Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
College of The Albemarle
Craven Community College
Davidson County Community College
Durham Technical Community College
Edgecombe Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Halifax Community College
Haywood Community College
Isothermal Community College
James Sprunt Community College
Lenoir Community College

Martin Community College
Mayland Community College
McDowell Technical Community College
Mitchell Community College
Montgomery Community College
Nash Community College
Pamlico Community College
Pitt Community College
Randolph Community College
Richmond Community College
Roanoke-Chowan Community College
Robeson Community College
Rockingham Community College
Rowan-Cabarrus Community College
Sampson Community College
Sandhills Community College
South Piedmont Community College
Southeastern Community College
Southwestern Community College
Stanly Community College
Surry Community College
Tri-County Community College
Vance-Granville Community College
Wake Technical Community College
Wayne Community College
Western Piedmont Community College
Wilkes Community College
Wilson Community College

*Computer Programming (A25130)

The Computer Programming curriculum prepares individuals for employment as computer programmers and related positions through study and applications in computer concepts, logic, programming procedures, languages, generators, operating systems, networking, data management, and business operations.

Students will solve business computer problems through programming techniques and procedures, using appropriate languages and software. The primary emphasis of the curriculum is hands-on training in programming and related computer areas that provide the ability to adapt as systems evolve.

Graduates should qualify for employment in business, industry, and government organizations as programmers, programmer trainees, programmer/analysts, computer operators, systems technicians, or database specialists. The following colleges are approved to offer this program:

Beaufort County Community College	Forsyth Technical Community College
Blue Ridge Community College	Gaston College
Brunswick Community College	Guilford Technical Community College
Caldwell Community College and Technical Institute	Isothermal Community College
Catawba Valley Community College	Johnston Community College
Central Piedmont Community College	McDowell Technical Community College
Cleveland Community College	Mitchell Community College
Coastal Carolina Community College	Pitt Community College
College of The Albemarle	Rowan-Cabarrus Community College
Craven Community College	Sandhills Community College
Davidson County Community College	Stanly Community College
Durham Technical Community College	Surry Community College
Edgecombe Community College	Vance-Granville Community College
Fayetteville Technical Community College	Wake Technical Community College

*Computer Technology Integration (A25500)

The Computer Technology Integration (CTI) curriculum prepares graduates for employment as designers, testers, support technicians, administrators, developers, or programmers with organizations that use computers to design, process, manage, and communicate information, depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to communicate and solve technical issues related to information support and services, interactive media, network systems, programming and software development, and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams. The following colleges are approved to offer this program:

Caldwell Community College and Technical Institute	Mitchell Community College
Cape Fear Community College	Montgomery Community College
Central Piedmont Community College	Piedmont Community College
Awards credential in collaboration with:	Randolph Community College
South Piedmont Community College	Rowan-Cabarrus Community College
Cleveland Community College	Stanly Community College
College of The Albemarle	Vance-Granville Community College
Craven Community College	Wake Technical Community College
Davidson County Community College	Wilkes Community College
Edgeombe Community College	Wilson Community College
Guilford Technical Community College	

*Court Reporting and Captioning (A25140)

The Court Reporting and Captioning curriculum is designed to provide specialized training in accepted court reporting and conference procedures such as recording court proceedings in a computer-integrated courtroom, depositions, business and convention meetings, and real-time captioning activities.

Course work includes training in real-time machine shorthand theory, real-time computer software and technology, word processing, legal and medical terminology, specialized vocabularies, court procedures, dictation, and transcription.

Graduates should qualify for employment as an official court reporter, freelance reporter, television and video captioner, stenointerpreter, conference reporter, stenographer, or transcriptionist. The following college is approved to offer this program:

No colleges are currently approved to offer this program.

*Database Management (A25150)

The Database Management curriculum prepares graduates for employment with organizations that use database management system software to process, manage, and communicate information. Additionally, the curriculum provides the student with a foundation to begin professional certification with Microsoft or ORACLE database programs.

Course work includes terminology and design, database administration, backup and recovery, performance and tuning, database programming and tools, and related topics. Studies will provide an opportunity for students to implement, support, and manage industry standard database systems.

Graduates should qualify for a wide variety of database and computer related entry-level positions that provide opportunities for advancement with increasing experience and ongoing training. The following colleges are approved to offer this program:

Central Piedmont Community College	Wake Technical Community College
Forsyth Technical Community College	

*Digital Media Technology (A25210)

The Digital Media program prepares students for entry-level jobs in the digital design and multimedia industry. Students learn to synthesize multimedia, hypertext, computer programming, information architecture, and client/server technologies using both Internet and non-network-based media.

Students develop skills in communication, critical thinking, and problem solving as well as interface design, multimedia formats, application programming, data architecture, and client/server technologies. The program develops technical skills through practical applications that employ current and emerging standards and technologies.

Graduates should qualify for employment as web designers, graphic artists/designers, multimedia specialists, web developers, web content specialists, media specialists, information specialists, digital media specialists, animation specialists, interface designers, and many new jobs yet to be defined in this expanding field. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Mitchell Community College
Sandhills Community College
Surry Community College

*Entertainment Technologies (A25190)

This curriculum prepares individuals for entry-level employment in entertainment, particularly in the fields of sound and lighting. Instruction provides training not only in these technical aspects, but also prepares students to manage careers in this contract-to-contract type of work.

Course work includes exposure to the entire live concert and sound recording processes. Course work will also include music business fundamentals, including entertainment law and marketing/promotion. Students will also receive course work in music theory and electronic music.

Graduates may find employment as entry-level crew and/or production assistants in concert or event setups, with recording companies, or sound/lighting companies. Graduates will also be prepared to manage their careers (or others' careers) in the sound/lighting area or professional music entertainment. The following college is approved to offer this program:

Guilford Technical Community College

*Entrepreneurship (A25490)

The Entrepreneurship curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth as self-employed business owners.

Course work includes developing a student's ability to make informed decisions as future business owners. Courses include entrepreneurial concepts learned in innovation and creativity, business funding, and marketing. Additional course work includes computers and economics.

Through these skills, students will have a sound education base in entrepreneurship for lifelong learning. Graduates are prepared to be self-employed and open their own businesses. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College	Pamlico Community College
Catawba Valley Community College	Pitt Community College
Cleveland Community College	Randolph Community College
Craven Community College	South Piedmont Community College
Davidson County Community College	Southwestern Community College
Durham Technical Community College	Surry Community College
Forsyth Technical Community College	Tri-County Community College
Haywood Community College	Vance-Granville Community College
Isothermal Community College	

*Financial Services (A25330)

The Financial Services curriculum is designed to provide students with the knowledge necessary for employment in the financial services sector of the economy.

Course work includes accounting, business ethics, business law, computer applications, customer service, financial planning, insurance, marketing, personal finance, real estate, selling and personal tax. Related skills are developed through the study of communications, humanities, mathematics and psychology.

Graduates may find employment with banks, savings and loans, credit unions, insurance companies, brokerage firms, pension benefit companies, realty firms, and mortgage companies. The following colleges are approved to offer this program:

Coastal Carolina Community College
Forsyth Technical Community College

*Gaming Management (A25250)

The Gaming Management curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and administrative positions in the gaming industry.

Coursework includes gaming operations, guest relations and customer service, gaming facility management, marketing, gaming law and regulations, personnel administration, accounting and controls, security and surveillance, social issues in gaming, and other areas critical to the success of gaming industry professionals.

Graduates should qualify for supervisory or entry-level management positions, gaming operations, marketing, finance, food and beverage, and facilities coordination. The following college is approved to offer this program:

Southwestern Community College

*Global Logistics and Distribution Management Technology (A25610)

The Global Logistics / Distribution Management Technology curriculum prepares individuals for a multitude of career opportunities in distribution, transportation, warehousing, supply chain, and manufacturing organizations.

Course work includes the international and domestic movement of goods from the raw materials source(s) through production and ultimately to the consumer. Courses in transportation, warehousing, inventory control, material handling, purchasing, computerization, supply chain operations and federal transportation and OSHA regulations are emphasized.

Graduates should qualify for positions in a wide range of logistics-related positions in government agencies, manufacturing, and service organizations. Employment opportunities include entry-level purchasing, material management, warehousing, inventory, transportation, international freight, and logistics analysts. Upon completion, graduates may be eligible to pursue professional credentials through APICS, AST&L, CSCMP, and ISM. The following colleges are approved to offer this program:

Caldwell Community and Technical Institute
Central Piedmont Community College
Davidson County Community College
Edgecombe Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College

Lenoir Community College
Nash Community College
Randolph Community College
Vance-Granville Community College
Wake Technical Community College

*Healthcare Business Informatics (A25510)

The Healthcare Business Informatics curriculum prepares individuals for employment as specialists in installation, data management, data archiving/retrieval, system design and support, and computer training for medical information systems.

Students learn about the field through multidisciplinary coursework including the study of terminology relating to informatics, systems analysis, networking technology, computer/network security, data warehousing, archiving and retrieval of information, and healthcare computer infrastructure support.

Graduates should qualify for employment as database/data warehouse analysts, technical support professionals, informatics technology professionals, systems analysts, networking and security technicians, and computer maintenance professionals in the healthcare field. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Brunswick Community College
Cape Fear Community College
Carteret Community College
College of The Albemarle

Forsyth Technical Community College
Gaston College
Nash Community College
Pitt Community College
Richmond Community College

*Healthcare Management Technology (A25200)

The Healthcare Management Technology curriculum is designed to prepare students for employment in healthcare business and financial operations. Students will gain a comprehensive understanding of the application of management principles to the healthcare environment.

The curriculum places emphasis on planning, organizing, directing, and controlling tasks related to healthcare organizational objectives including the legal and ethical environment. Emphasis is placed on the development of effective communication, managerial, and supervisory skills.

Graduates may find employment in healthcare settings including hospitals, medical offices, clinics, long-term care facilities, and insurance companies. Graduates are eligible to sit for various certification exams upon completion of the degree with a combination of a minimum of two years administrative experience. Eligible certifications include, but are not limited to, the Professional Association of Healthcare Office Managers (PAHCOM), the Healthcare Financial Management Association (HFMA), the Certified Patient Account Manager (CPAM) and the Certified Manager of Patient Accounts (CMPA) examinations. The following colleges are approved to offer this program:

Catawba Valley Community College
Central Carolina Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Guilford Technical Community College
Isothermal Community College
Mitchell Community College
Piedmont Community College

Pitt Community College
awards the credential in collaboration with:
    Beaufort County Community College
    Edgecombe Community College
    Lenoir Community College
    Nash Community College
    Pamlico Community College
    Wayne Community College
Randolph Community College
Richmond Community College
Tri-County Community College

Health Unit Coordinator (Certificate) (C25220)

The Health Unit Coordinator curriculum prepares the individual to perform routine clerical and receptionist tasks in an inpatient or outpatient health care facility. The Health Unit Coordinator organizes the activities for the unit and manages nonclinical functions to enhance the delivery of health care
.
The course work includes material management of the unit; transcription of the health care teams' orders; health record management; interdepartment and interpersonal communication techniques; significance of confidentiality of the health records data; and organizational skills and prioritization of tasks.

Graduates should qualify for entry-level clerical and receptionist positions in hospitals, long term care facilities, and other health care agencies.

No colleges are currently approved to offer this program.

*High Performance Computing (A25230)

The High Performance Computing (HPC) curriculum is designed to prepare students for employment with organizations that require experience with HPC technology. Students will learn to assemble, program and operate high performance cluster computers.

The curriculum includes introductory and advanced levels of HPC architecture including distributed-memory systems, parallel programming concepts, high-speed networking and LINUX/UNIX operating systems.

Program graduates can expect to work in an HPC environment that supports educational, industrial, or government agencies that require HPC skills.

No colleges are currently approved to offer this program.

*Hospitality Management (A25110)

This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Caldwell Community College
Cape Fear Community College
Carteret Community College
 awards the credential in collaboration with:
        Craven Community College
Central Piedmont Community College
Coastal Carolina Community College

Fayetteville Technical Community College
 awards the credential in collaboration with:
        Bladen Community College
Guilford Technical Community College
Nash Community College
Sandhills Community College
Southwestern Community College
Tri-County Community College
Wake Technical Community College

* Hunting and Shooting Sports Management (A25600)

This curriculum is designed to prepare students for a career in hunting and shooting sports retail businesses.

Course work includes concepts such as accounting, basic gunsmithing, business management, advertising and sales promotion, introduction to shooting sports, gun shop management and sports hunting.

Graduates should be prepared for employment opportunities in large and small retail sporting centers, private hunting and shooting sports businesses, and shooting sports equipment manufacturing. The following colleges are approved to offer this program:

Edgecombe Community College
Montgomery Community College
Tri-County Community College

*Information Systems Security (A25270)

Information Systems Security covers a broad expanse of technology concepts. This curriculum provides individuals with the skills required to implement effective and comprehensive information security controls.

Course work includes networking technologies, operating systems administration, information policy, intrusion detection, security administration, and industry best practices to protect data communications.

Graduates should be prepared for employment as security administrators. Additionally, they will acquire the skills that allow them to pursue security certifications. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College	Johnston Community College
Catawba Valley Community College	Nash Community College
Central Piedmont Community College	Pamlico Community College
Cleveland Community College	Piedmont Community College
Coastal Carolina Community College	Rowan-Cabarrus Community College
Craven Community College	Sampson Community College
Davidson County Community College	Stanly Community College
Durham Technical Community College	Surry Community College
Fayetteville Technical Community College	Vance-Granville Community College
Forsyth Technical Community College	Wake Technical Community College
Gaston Community College	Wilson Community College
Guilford Technical Community College	

*Information Systems Security/Security Hardware (A2527B)

Security Hardware is a concentration under the curriculum title of Information Systems Security. This curriculum covers a broad expanse of technology concepts. This curriculum provides individuals with the skills required to implement effective and comprehensive information network security controls.

Course work includes advanced networking technologies, operating systems administration, information security policy, intrusion detection, firewall technologies, information assurance, security administration, and industry best practices to protect data communications.

Graduates should be prepared for employment as network security specialists, network administrators, or security administrators. Additionally, they will acquire the skills that allow them to pursue hardware, advanced networking and security certifications.

No colleges are approved to offer this program at this time.

Insurance (Certificate) (C25280)

The Insurance curriculum provides prelicensing education required by the North Carolina Department of Insurance and prepares individuals to enter the insurance profession.

Course work includes the fundamentals of risk and insurance law, life and health insurance, Medicare and long-term care insurance, property and liability insurance, and claims adjusting principles and practices.

Graduates should qualify for North Carolina insurance licensing examinations and be able to provide service to insurance consumers in a competent manner. Employment opportunities include insurance agent, claims adjuster, customer service representative, and special agent.

No colleges are approved to offer this program at this time.

*Medical Office Administration (A25310)

This curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations. The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Beaufort County Community College
Bladen Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Catawba Valley Community College
Central Carolina Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
College of The Albemarle
Craven Community College
Durham Technical Community College
Edgecombe Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Halifax Community College
Haywood Community College
Isothermal Community College
Johnston Community College
Lenoir Community College

Martin Community College
Nash Community College
Pamlico Community College
Piedmont Community College
Pitt Community College
   Awards the credential in collaboration with:
     Brunswick Community College
     Carteret Community College
Randolph Community College
Roanoke-Chowan Community College
Robeson Community College
Rockingham Community College
Rowan-Cabarrus Community College
Sampson Community College
Sandhills Community College
South Piedmont Community College
Southwestern Community College
Surry Community College
Tri-County Community College
Vance-Granville Community College
Wake Technical Community College
Wayne Community College
Western Piedmont Community College
Wilson Community College

Medical Transcription (Diploma) (D25320)

The Medical Transcription curriculum prepares individuals to become medical language specialists who interpret and transcribe dictation by physicians and other healthcare professionals in order to document patient care and facilitate delivery of healthcare services.

Students will gain extensive knowledge of medical terminology, pharmacology, human diseases, diagnostic studies, surgical procedures, and laboratory procedures. In addition to word processing skill and knowledge of voice processing equipment, students must master English grammar, spelling, and proofreading.

Graduates should qualify for employment in hospitals, medical clinics, doctors' offices, private transcription businesses, research facilities, insurance companies, and publishing companies. After acquiring work experience, individuals can apply to the American Association for Medical Transcription to become Certified Medical Transcriptionists. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Catawba Valley Community College
Cleveland Community College
Edgecombe Community College

Gaston College
Guilford Technical Community College
Southwestern Community College

*Networking Technology (A25340)

The Networking Technology curriculum prepares individuals for employment supporting network infrastructure environments. Students will learn how to use technologies to provide reliable transmission and delivery of data, voice, image, and video communications in business, industry, and education.

Course work includes design, installation, configuration, and management of network infrastructure technologies and network operating systems. Emphasis is placed on the implementation and management of network software and the implementation and management of hardware such as switches and routers.

Graduates may find employment in entry-level jobs as local area network managers, network operators, network analysts, and network technicians. Graduates may also be qualified to take certification examinations for various network industry certifications, depending on their local program. The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Community College
Beaufort County Community College
Blue Ridge Community College
Caldwell Community College and Technical Institute
Catawba Valley Community College
Central Carolina Community College
Cleveland Community College
Coastal Carolina Community College
College of The Albemarle
Craven Community College
Davidson County Community College
Durham Technical Community College
Edgecombe Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Haywood Community College
Isothermal Community College
Johnston Community College

Lenoir Community College
McDowell Technical Community College
Montgomery Community College
Nash Community College
Pamlico Community College
Pitt Community College
Randolph Community College
Robeson Community College
Rowan-Cabarrus Community College
Sampson Community College
Sandhills Community College
Southwestern Community College
Stanly Community College
Surry Community College
Tri-County Community College
Vance-Granville Community College
Wake Technical Community College
Wayne Community College
Wilkes Community College
Wilson Community College

*Nonprofit Leadership and Management (A25410)

The Nonprofit Leadership and Management curriculum is designed to prepare individuals for a leadership or management role in the nonprofit sector.

Course work includes an overview of nonprofit organizations (NPO), philanthropy, legal and ethical concerns, funding issues, and strategic planning. Additional coursework introduces grant writing, international non-governmental organizations (NGO), public relations and sustainable communities.

Graduates should qualify for positions at various levels of leadership and management in the non-profit sector. The following college is approved to offer this program:

Forsyth Technical Community College

*Office Administration (A25370)

The Office Administration curriculum prepares individuals for positions in administrative support careers. It equips office professionals to respond to the demands of a dynamic computerized workplace.

Students will complete courses designed to develop proficiency in the use of integrated software, oral and written communication, analysis and coordination of office duties and systems, and other support topics. Emphasis is placed on non-technical as well as technical skills.

Graduates should qualify for employment in a variety of positions in business, government, and industry. Job classifications range from entry-level to supervisor to middle management. The following colleges are approved to offer this program:

Alamance Community College	Mayland Community College
Asheville-Buncombe Technical Community College	McDowell Technical Community College
Beaufort County Community College	Mitchell Community College
Bladen Community College	Montgomery Community College
Blue Ridge Community College	Nash Community College
Brunswick Community College	Pamlico Community College
Caldwell Community College & Technical Institute	Piedmont Community College
Carteret Community College	Pitt Community College
Catawba Valley Community College	Randolph Community College
Central Carolina Community College	Richmond Community College
Central Piedmont Community College	Roanoke-Chowan Community College
Cleveland Community College	Robeson Community College
Costal Carolina Community College	Rockingham Community College
College of The Albermarle	Rowan-Cabarrus Community College
Durham Technical Community College	Sampson Community College
Edgecombe Community College	Sandhills Community College
Fayetteville Technical Community College	Southeastern Community College
Forsyth Technical Community College	Southwestern Community College
Gaston College	Surry Community College
Guildford Technical Community College	Tri-County Community College
Halifax Community College	Vance-Granville Community College
Isothermal Community College	Wake Technical Community College
James Sprunt Community College	Wayne Community College
Johnston Community College	Western Piedmont Community College
Lenoir Community College	Wilkes Community College
Martin Community College	Wilson Community College

*Office Administration/Legal (A2537A)

Legal is a concentration under the curriculum title of Office Systems Technology. This curriculum prepares individuals for entry-level positions in legal or government-related offices and provides professional development for the currently employed.

Course work includes terminology, operational procedures, preparation and transcription of documents, computer software, and court-related functions as they relate to the legal office profession. Emphasis is placed on the development of accuracy, organizational skills, discretion, and professionalism.

Graduates should qualify for employment in corporate legal departments; private practices, including real estate and estate planning; and city, state, and federal government offices. With appropriate work experience, graduates may apply for certification as a Professional Legal Secretary (PLS). The following colleges are approved to offer this program:

Alamance Community College	Piedmont Community College
Central Piedmont Community College	Pitt Community College
Cleveland Community College	Southwestern Community College
Gaston College	Tri-County Community College
Montgomery Community College	Vance-Granville Community College
Nash Community College	Wake Technical Community College

*Office Administration/Virtual Office Assistance (A2537B)

Virtual Office Assistance is a concentration under the curriculum title of Office System Technology. The curriculum is designed to prepare individuals to become independent contractors who possess the ability to offer administrative support services via e-mail, courier, fax, and telephone.

Students will acquire office skills required in today's business environment including utilization of word processing, spreadsheets, desktop publishing, and presentation graphics software. Coursework includes an introduction to the implementation of electronic commerce via the Internet and an introduction to telecommunications.

Graduates are prepared to pass examinations for Microsoft Office User Specialist Certification and are able to become self-employed contractors or work for an established virtual office service. Some graduates will prefer to gain experience working in a traditional office environment. The following colleges are approved to offer this program:

Blue-Ridge Community College
Southwestern Community College

*Paralegal Technology (A25380)

The Paralegal Technology curriculum prepares individuals to work under the supervision of attorneys by performing routine legal tasks and assisting with substantive legal work. A paralegal/legal assistant may not practice law, give legal advice, or represent clients in a court of law.

Course work includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trusts, and commercial law. Required courses also include subjects such as English, mathematics, and computer utilization.

Graduates are trained to assist attorneys in probate work, investigations, public records search, drafting and filing legal documents, research, and office management. Employment opportunities are available in private law firms, governmental agencies, banks, insurance agencies, and other business organizations. The following colleges are approved to offer this program:

Caldwell Community College and Technical Institute	Guilford Technical Community College
Cape Fear Community College	Halifax Community College
Carteret Community College	Johnston Community College
Central Carolina Community College	Pitt Community College
Central Piedmont Community College	South Piedmont Community College
Awards the credential in collaboration with:	Southwestern Community College
Rowan-Cabarrus Community College	Surry Community College
Coastal Carolina Community College	*awards the credential in collaboration with:*
Davidson County Community College	Wilkes Community College
Durham Technical Community College	Vance-Granville Community College
Fayetteville Technical Community College	Western Piedmont Community College
Forsyth Technical Community College	Wilkes Community College
Gaston College	Wilson Community College

*Project Management Technology (A25390)

The Project Management Technology curriculum is designed to introduce students to processes of initiating, planning/executing, monitoring/controlling, and closing projects. Students will be provided the nine knowledge areas of Project Management (integration, scope, time/cost, quality, human resources, risk/procurement management, and communication).

Course work may include concepts in accounting, finance, information systems, human resource management, project management, organizational behavior, purchasing, business ethics, and economics. The curriculum develops project management skills that may be used in all lines of work.

Graduates may qualify for positions requiring project management in governmental, nonprofit, merchandising, manufacturing, utilities, and construction agencies and industries. Students should be able to apply the Body of Knowledge areas established by the Project Management Institute. The following college is approved to offer this program:

Forsyth Technical Community College

*Real Estate (A25400)

The Real Estate curriculum provides the prelicensing education required by the North Carolina Real Estate Commission, prepares individuals to enter the profession, and offers additional education to meet professional development needs.

Course work includes the practices and principles of real estate, emphasizing financial and legal applications, property development, and property values.

Graduates should qualify for North Carolina Real Estate Sales and Broker examinations. They should be able to enter apprenticeship training and to provide real estate services to consumers in a competent manner. The following colleges are approved to offer this program:

Cape Fear Community College   McDowell Technical Community College
Catawba Valley Community College   Sampson Community College
Cleveland Community College   Southwestern Community College
Forsyth Technical Community College

Real Estate Appraisal (A25420)

The Real Estate Appraisal curriculum is designed to prepare individuals to enter the appraisal profession as a registered trainee and advance to licensed or certified appraiser levels.

Course work includes appraisal theory and concepts with applications, the North Carolina Appraisers Act, North Carolina Appraisal Board rules, and the Uniform Standards of Professional Appraisal Practice.

Graduates should be prepared to complete the North Carolina Registered Trainee Examinations and advance to licensure or certification levels as requirements are met. The following colleges are approved to offer this program:

Catawba Valley Community College   Randolph Community College
Edgecombe Community College   Surry Community College
Forsyth Technical Community College

Real Estate Licensing (Certificate) (C25480)

The Real Estate Licensing curriculum provides licensing education required by the North Carolina Real Estate Commission for students preparing to take the real estate license examination and for provisional brokers that are seeking removal of the provisional status.

Course work includes the practices and principles of real estate, broker relationships as they apply to customers, sellers and buyers, contract procedures, fair housing and real estate methodology. Course work also includes professional development opportunities.

Graduates who have passed the real estate license examination and obtained a real estate provisional broker license should then qualify for removal of the provisional status and be able to provide basic, residential real estate services as a broker affiliated with a real estate brokerage firm.

A student must secure his/her provisional broker license before proceeding into the post-licensure courses and must complete the three mandatory post-licensing courses within three years of licensure in order to avoid cancellation of his/her license. The following colleges are approved to offer this program:

Cape Fear Community College
Catawba Valley Community College
Southwestern Community College
Tri-County Community Colle

*Simulation and Game Development (A25450)

The Simulation and Game Development curriculum provides a broad background in simulation and game development with practical applications in creative arts, visual arts, audio/video technology, creative writing, modeling, design, programming and management

Students will receive hands-on training in design, 3D modeling, software engineering, database administration and programming for the purpose of creating simulations and games.

Graduates should qualify for employment as designers, artists, animators, programmers, database administrators, testers, quality assurance analysts, engineers and administrators in the entertainment industry, the health care industry, engineering, forensics, education, NASA and government agencies. The following colleges are approved to offer this program:

Blue-Ridge Community College	Stanly Community College
Central Piedmont Community College	Wake Technical Community College
Awards the credential in collaboration with:	*Awards the credential in collaboration with:*
South Piedmont Community College	Nash Community College
Fayetteville Technical Community College	Vance-Granville Community College
Guilford Technical Community College	Wayne Community College
Pitt Community College	Western Piedmont Community College
Sandhills Community College	Wilkes Community College

*Travel and Tourism Technology (A25440)

The Travel and Tourism Technology curriculum is designed to train individuals to become travel consultants capable of planning and arranging a full spectrum of travel components for clients. Students will learn to operate within a global travel information network.

Instruction includes industry terminology, travel and tourism careers, reservation and ticketing procedures, airline computer training, world destinations, cruises, tour arranging and escorting, rail, travel sales and marketing, and practical skills necessary for the day-to-day operation of a retail travel firm.

Graduates will be primarily trained for employment by travel agencies. Students may also be employed by the airlines, the hospitality industry, rental car companies, tour operators, cruise lines, rail companies, and visitor centers.

No colleges are currently approved to offer this program.

*Voice Writing Realtime Reporting (A25460)

The Voice Writing Realtime Reporting curriculum is designed to provide specialized training in accepted realtime reporting and conference procedures such as recording court proceedings in a computer-integrated courtroom, depositions, business and convention meetings, and realtime captioning activities.

Course work includes training in realtime voice writing, realtime computer software and technology, word processing, legal and medical terminology, specialized vocabularies, realtime voice writing procedures, dictation, and transcription.

Graduates should qualify for employment as an official court reporter, freelance reporter, television and video captioner, CART (Communication Access Realtime Translation), conference reporter, stenographer, or transcriptionist.

No colleges are currently approved to offer this program.

*Web Technologies (A25290)

The Web Technologies curriculum prepares graduates for careers in the information technology arena using computers and distributed computing to disseminate and collect information via the web.

Course work in this program covers the terminology and use of computers, network devices, networks, servers, databases, applications, programming languages, as well as web applications, site development and design. Studies will provide opportunity for students to learn related industry standards.

Graduates should qualify for career opportunities as designers, administrators, or developers in the areas of web applications, websites, web services, and related areas of distributed computing. The following colleges are approved to offer this program:

Alamance Community College	Isothermal Community College
Asheville-Buncombe Technical College	McDowell Technical Community College
Blue Ridge Community College	Mitchell Community College
Caldwell Community College and Technical Institute	Nash Community College
Carteret Community College	Pamlico Community College
Catawba Valley Community College	Pitt Community College
Central Carolina Community College	Roanoke-Chowan Community College
Central Piedmont Community College	Rowan-Cabarrus Community College
Cleveland Community College	Sandhills Community College
Coastal Carolina Community College	South Piedmont Community College
College of The Albemarle	Southeastern Community College
Davidson County Community College	Southwestern Community College
Durham Technical Community College	Stanly Community College
Edgecombe Community College	Surry Community College
Fayetteville Technical Community College	Tri-County Community College
Forsyth Technical Community College	Vance-Granville Community College
Gaston College	Wake Technical Community College
Guilford Technical Community College	

Commercial and Artistic Production Technologies

Commercial and Artistic Production Technologies programs provide opportunities for the specialized training of individuals with artistic and creative abilities. Study and development of skills are in the areas of visual communications, professional presentations, publications, advertising, broadcasting and media industry, sales and business procedures.

These programs train students for a variety of occupations including: designers, interior decorators, advertising artists, photographers, broadcasters, film production assistants, illustrators and craftspersons. This program area consists of the following curriculums:

Advertising and Graphic Design (A30100)
Broadcasting and Production Technology (A30120)
Digital Effects and Animation Technology (A30130)
Film and Video Production Technology (A30140)
Fine and Creative Woodworking (A30160)
Graphic Arts and Imaging Technology (A30180)
Graphic Arts and Imaging Technology/Flexography (A3018A)
Gunsmithing (A30200)
Gunsmithing (Diploma) (D30210)
Interior Design (A30220)
Metal Engraving (Diploma) (D30240)
Photographic Technology (A30280)

Photographic Technology/Biocommunications
Photography (A3028A)
Photographic Technology/Commercial Photography (A3028B)
Photographic Technology/Photojournalism (A3028C)
Photographic Technology/Portrait Studio Mgt (A3028D)
Professional Arts and Crafts: Sculpture (A30290)
Professional Crafts: Clay (A30300)
Professional Crafts: Fiber (A30320)
Professional Crafts: Jewelry (A30340)
Professional Crafts: Wood (A30360)
Taxidermy (Diploma) (D30380)

*Advertising and Graphic Design (A30100)

The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession, which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials.

Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media.

Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations. The following colleges are approved to offer this program:

Alamance Community College
Catawba Valley Community College
Central Piedmont Community College
Fayetteville Technical Community College
Guilford Technical Community College
Halifax Community College
Isothermal Community College
James Sprunt Community College
Johnston Community College
McDowell Technical Community College
Nash Community College

Pitt Community College
Randolph Community College
Rowan-Cabarrus Community College
South Piedmont Community College
Southwestern Community College
Stanly Community College
Surry Community College
Wake Technical Community College
Wilkes Community College

*Broadcasting and Production Technology (A30120)

Students enrolled in the Broadcasting Production Technology curriculum will develop professional skills in radio, television, audio, video, and related applications.

Training will emphasize speech, script writing, production planning, editing, and post production. Students will also study the development of the broadcasting industry, sales, ethics, law, marketing, and management. Hands-on training and teamwork approaches are essential to the instructional process.

Upon successful completion, students are prepared to enter broadcasting, production, and related industries in a variety of occupations. The following colleges are approved to offer this program:

Central Carolina Community College
Central Piedmont Community College
Cleveland Community College
Forsyth Technical Community College

Gaston College
Isothermal Community College
Southeastern Community College

*Digital Effects and Animation Technology (A30130)

The Digital Effects and Animation Technology curriculum is designed to provide students with the training necessary to become competent in creating, manipulating, and animating digital images. These skills have application in the production of a variety of moving image forms.

Students will take courses covering computer hardware/software applications, computer animation, creation and manipulation of digital images and nonlinear editing. They will become proficient at using media industry standard hardware/software to generate and manipulate images, and create digital special effects.

Upon completion of this program, students will be able to generate moving images and manipulate captured images for a variety of media production applications. Graduates should qualify for employment in the creation and/or editing of a variety of media forms. The following colleges are approved to offer this program:

Forsyth Technical Community College
Piedmont Community College

Western Piedmont Community College

*Film and Video Production Technology (A30140)

The Film and Video Production Technology curriculum prepares students for entry-level employment in production support and selected technical areas of film, video, and associated media production. Instruction provides training for entry-level crew and/or production and post-production assistants in many moving image media forms.

The first year content includes exposure to the entire production process. Students are taught by industry professionals who provide extensive hands-on instruction. In the second year, students receive professional training by performing in various crew positions on actual production projects.

Graduates may find employment as entry-level crew and/or production assistants in feature and short films, commercials, and industrial, educational, and documentary productions. Other opportunities include entry-level employment in pre-production and post-production areas for film and video. The following colleges are approved to offer this program:

Blue-Ridge Community College
Cape Fear Community College

Piedmont Community College

*Fine and Creative Woodworking (A30160)

The Fine and Creative Woodworking curriculum prepares individuals to design and build high quality furniture and accessories. Students may choose to work in either period styles, creative work, or both. This program provides an opportunity to expand skill level and creativity in building fine furniture.

The students will begin by developing a strong foundation in basic hand tool use and machining. Course work progresses to include study in finishing, turning, carving, jigs and fixtures, veneering, bending, equipment maintenance, principles of operating a business, and more.

Graduates may earn an AAS degree. This program concentrates on preparing graduates to establish a business of their own. In addition, graduates may find employment opportunities in high-end custom furniture shops or the furniture manufacturing industry.

No colleges are approved to offer this program.

*Graphic Arts and Imaging Technology (A30180)

The Graphics Arts and Imaging Technology curriculum is designed to provide students with knowledge and skills necessary for employment in the printing, publishing, packaging, and related industries.

Students will receive hands-on training in computer publishing, imaging technology, offset lithography, screen printing, and emerging printing technologies. Training may also include flexography, graphic design, and multimedia.

Graduates should qualify for career opportunities within the printing and publishing industries. The following colleges are approved to offer this program:

Central Piedmont Community College
Forsyth Technical Community College
Lenoir Community College

*Graphic Arts and Imaging Technology/Flexography (A3018A)

Flexography is a concentration under the Graphic Arts and Imaging Technology curriculum. This curriculum is designed to allow students to gain further study into the flexographic printing production process.

Students will produce jobs for labels, tags, boards, packaging, and corrugated jobs found in segments of the flexographic industry. Students will concentrate on color reproduction and produce products while understanding the limitations within the production process.

Graduates should qualify for career opportunities within the printing, publishing, and packaging industries. The following college is approved to offer this program:

Central Piedmont Community College

*Gunsmithing (A30200)

The Gunsmithing curriculum is designed to provide the student with the required skills needed to refurbish metal and wood as applicable to firearms, to diagnose malfunctions for repair, and to accomplish more complex custom gunsmithing tasks.

Course work includes manufacturing of tools used in the gunsmithing trade, restoration of firearms, stock making, barrel work, repair work, and custom work. The student will accomplish this work by performing actual gunsmithing tasks in a hands-on environment.

Graduates should qualify as a professional gunsmith, able to complete any task in general gunsmithing. The following college is approved to offer this program:

Fayetteville Technical Community College
Johnston Community College
Lenoir Community College
Montgomery Community College

Gunsmithing (Diploma) (D30210)

The Gunsmithing curriculum is designed to provide the student with the required skills needed to refurbish metal and wood as applicable to firearms, to diagnose malfunctions for repair, and to accomplish more complex custom gunsmithing tasks.

Course work includes manufacturing of tools used in the gunsmithing trade, restoration of firearms, stock making, barrel work, repair work, and custom work. The student will accomplish this work by performing actual gunsmithing tasks in a hands-on environment.

Graduates should qualify as a professional gunsmith, able to complete any task in general gunsmithing. The following college is approved to offer this program:

Piedmont Community College

*Interior Design (A30220)

The Interior Design curriculum is designed to prepare students for a variety of job opportunities in the field of both residential and non-residential interior design. The focus of the studies is technical knowledge, professional practices, and aesthetic principles and design process.

Curriculum content includes residential and non-residential interior design, architectural drafting, computer-aided design, and universal design. Also included are basic design, code standards, history of interiors and furnishings, color theory, products, professional practices, visual presentations, and sustainable principles.

Graduates should qualify for interior design opportunities in numerous residential and commercial environments such as hospitality, corporate, mercantile, educational, and healthcare. Interior designers also have employment opportunities in real estate, entertainment, visual merchandising, government, sales and marketing, and other specialties dealing with interiors. The following colleges are approved to offer this program:

Cape Fear Community College
Central Piedmont Community College
Forsyth Technical Community College

Randolph Community College
Wake Technical Community College

Metal Engraving (Diploma) (D30240)

The Metal Engraving curriculum is designed to train students in eye-hand coordination, artistic vision, and the technology necessary in occupations involving the embellishment of metals.

Course work will include embellishments utilizing the hammer and chisel, power engraving devices, acid etching, the inlaying of precious metals and jewels into a metal base, bas-relief graving, and the sinking of scenes into the medium.

Graduates should be able to apply the acquired skills in occupations requiring sound bench work skills. Such occupations might include gold and/or silver smithing, gunsmithing, the tool and die trades, printing plates, and jewelry. The following college is approved to offer this program:

Montgomery Community College

*Photographic Technology (A30280)

The Photographic Technology curriculum offers training in photographic techniques and their application in professional photographic disciplines. Where offered, students will receive comprehensive course work in four areas of concentration: Biomedical Photography, Photojournalism, Commercial Photography, and Portrait Studio Management.

Special emphasis is placed on developing skills in the following areas: fundamentals of camera systems, lighting, photographic process, digital imaging, design, and business practices.

Graduates should qualify for entry-level jobs in the diverse photographic industry. Employment opportunities exist in the following areas: commercial photography, photojournalism, biomedical photography, portrait photography, equipment sales, photographic laboratories, and imagining technologies depending upon courses offered and completed. The following colleges are approved to offer this program:

Carteret Community College   Randolph Community College
Catawba Valley Community College   Rockingham Community College
McDowell Technical Community College

*Photographic Technology/Biocommunications Photography (A3028A)

Biocommunications Photography is a concentration under the curriculum title of Photographic Technology. This curriculum provides individuals with the techniques and procedures used in biocommunications photography.

Course work includes all core first-year studies along with a strong foundation in basic portraiture, commercial photography, and photojournalism. Specialized courses include macro-photography, multimedia production, and internship experiences under close supervision in related settings.

Graduates should be thoroughly prepared to safely and successfully perform the duties required in entry-level positions in biocommunications photography or related areas. The following college is approved to offer this program:

Randolph Community College

*Photographic Technology/Commercial Photography (A3028B)

Commercial Photography is a concentration under the curriculum title of Photographic Technology. This curriculum provides in-depth study of professional commercial photography. Its segments, business practices, tools, techniques, and applications are explored via demonstrations, assignments, and on-the-job internships.

Course work includes in-depth study of advertising photography and product illustration; studio and location camera techniques and lighting; model, food and architectural photography; layout specifications and art direction; corporate and stock photography; digital imaging applications; and current commercial business practices.

Graduates should be thoroughly prepared to successfully perform the duties required in entry-level positions within the commercial photography industry. The following college is approved to offer this program:

Randolph Community College

*Photographic Technology/Photojournalism (A3028C)

Photojournalism is a concentration under the curriculum title of Photographic Technology. This curriculum provides in-depth coverage of professional photojournalism as it is currently practiced at newspapers and magazines.

Students will receive practical comprehensive instruction in the logistics and techniques of photojournalism. Courses include detailed study of photography of news, sports, and features; computer-based layout and design; and legal and ethical issues. Newspaper internships provide on-the-job training.

Graduates should be thoroughly prepared to successfully perform the duties required in entry-level positions in photojournalism. The following college is approved to offer this program:

Randolph Community College

*Photographic Technology/Portrait Studio Management (A3028D)

Portrait Studio Management is a concentration under the curriculum title of Photographic Technology. This curriculum prepares individuals with the techniques and procedures used in professional portraiture.

Course work includes equipment operation and photographic techniques specific to studio and location portraiture of individuals and groups. Additional topics covered include wedding protocol and logistics, posing, business practices, retouching, presentation, and studio management.

Graduates should be thoroughly prepared to successfully perform the duties required in entry-level portrait studio management. The following college is approved to offer this program:

Randolph Community College

*Professional Arts and Crafts: Sculpture (A30290)

This curriculum is designed to prepare individuals to become professional craftsman and entrepreneurs in the areas of clay and metal sculpture.

Course work concentrates on the development of skills in each area of craftsmanship. Emphasis is placed on hands-on training and the design skills needed to aid students in personalizing their own work.

Graduates will be able to open and operate their own professional craft studio, work for an existing professional craftsman, or obtain employment in craft retail sales. The following colleges are approved to offer this program:

Rockingham Community College
Western Piedmont Community College

*Professional Crafts: Clay (A30300)

The Professional Crafts: Clay curriculum is designed to prepare individuals for employment as professional potters or in pottery-related fields. Using traditional and contemporary concepts, instruction includes technical knowledge, design skills, and marketing and business essentials.

Course work includes development of basic and advanced throwing skills with emphasis on form and design. Study will include a pottery studio and marketing procedures.

Graduates will be able to open and operate their own pottery business, work for existing pottery businesses, or transfer to a four-year degree program. The following colleges are approved to offer this program:

College of The Albemarle   Rockingham Community College
Haywood Community College   Western Piedmont Community College
Montgomery Community College

*Professional Crafts: Fiber (A30320)

The Professional Crafts: Fiber curriculum is designed to train individuals as professional handweavers. Instruction includes technical weaving knowledge, dye work, design skills, and marketing and business essentials.

Students will learn warping techniques, weaving theory and technique, dye applications, and finishing methods. Students will receive design skills to aid them in personalizing their own work. Additional instruction will provide the bases for starting and running a small business.

Graduates will be able to open and operate their own weaving studio, work for an existing weaving business, or transfer to a four-year degree program. The following college is approved to offer this program:

Haywood Community College

*Professional Crafts: Jewelry (A30340)

The Professional Crafts: Jewelry curriculum prepares individuals to become professional metalsmiths. Instruction includes jewelry techniques, design, and marketing.

Students will learn metal forming techniques, metal decorative techniques, and basic information to start and operate a small business. The course work will also include jewelry design, studio safety, and tool and machine orientation.

Graduates will be able to start and operate their own jewelry studio, work for an established jeweler, or transfer to a four-year degree program. The following colleges are approved to offer this program:

College of The Albemarle
Haywood Community College

*Professional Crafts: Wood (A30360)

The Professional Crafts: Wood curriculum provides individuals with traditional values of fine craftsmanship, creative design, and an entrepreneurial spirit for a small woodworking enterprise.

The course work includes a strong emphasis on creative thinking and problem solving. Study involves a mix of theoretical and hands-on training combined with a blend of historical and modern methods of woodworking and small business management.

Upon completion of required course work, graduates may earn a degree or a diploma. They should be prepared for self-employment, for positions in the craft industry, or for continued study toward a bachelor's degree at a four-year institution. The following colleges are approved to offer this program:

Haywood Community College
Western Piedmont Community College

Taxidermy (Diploma) (D30380)

The Taxidermy curriculum is designed to develop skills while teaching preservation of birds, fish, game heads, and mammals. Related subjects are included for a better understanding of customer relations and natural habitat construction. Students are also versed in state/federal regulations.

Course work includes basic proper measuring, skinning, fleshing, preserving, form selection, and preparation. Students will learn basic mounting procedures and finishing and painting of selected specimens. Students will learn how to construct natural habitats and the artistic display of mounted items.

Opportunities exist for graduates to set up their own business. Job opportunities are found in conjunction with sports shops, game preserves, museums, art galleries, interior decorators, plus guides and outfitters. Graduates will qualify for North Carolina and Federal Taxidermy licenses. The following college is approved to offer this program:

Montgomery Community College

Construction Technologies

Construction Technologies are closely allied to the construction industry, though it may be in such areas as management, design, production, construction, or maintenance.

There are many entry levels for individuals who are preparing to work in this broad field. Students may choose a variety of careers as HVAC technicians, carpenters, electricians, masons, plumbers or heavy equipment operators or choose to study further and become involved in construction management. This program area consists of the following curriculums:

Air Conditioning, Heating, and RefrigerationTechnology (A35100)
Boat Building (Diploma) (D35120)
Building Construction Technology (A35140)
Cabinetmaking (Diploma) (D35160)
Carpentry (Diploma) (D35180)
Commercial Refrigeration Technology (A35200)

Construction Management Technology (A35190)
Electric Line Construction Technology (A35230)
Electrical Systems Technology (A35130)
Heavy Equipment Operator (Diploma) (D35240)
Historic Preservation Technology (A35110)
Masonry (Diploma) (D35280)
Plumbing (Diploma) (D35300)

*Air Conditioning, Heating, and Refrigeration Technology (A35100)

Air Conditioning, Heating, and Refrigeration Technology
Career Cluster: Architecture and Construction

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools and instruments. In addition, the AAS degree covers residential building codes, residential system sizing, and advanced comfort systems.

Diploma graduates should be able to assist in the start up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems. AAS degree graduates should be able to demonstrate an understanding of system selection and balance and advanced systems. The following colleges are approved to offer this program:

Alamance Community College
Asheville Buncombe Community College
Blue Ridge Community College
Cape Fear Community College
Catawba Valley Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
College of The Albemarle
Davidson County Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Johnston Community College
Martin Community College
McDowell Community College (Diploma)
Mitchell Community College
Montgomery Community College

Pitt Community College
Richmond Community College
Roanoke-Chowan Community College
Robeson Community College
Rockingham Community College
Rowan-Cabarrus Community College
South Piedmont Community College
Southeastern Community College
Southwestern Community College
   Awards the credential in collaboration with:
      Haywood Community College
      Tri-County Community College
Stanly Community College (Diploma)
Surry Community College
Tri-County Community College
Vance-Granville Community College
Wake Technical Community College
Wayne Community College
Wilson Community College

Boat Building (Diploma) (D35120)

Construction: Boat Building
Career Cluster: Architecture and Construction

The Boat Building curriculum prepares individuals for employment in the boat building and boat repair industry. Today's boat builders are highly skilled craftspeople who can create complex shapes out of wood.

Course work includes reading boat plans, lofting, setting up the building jig, fashioning the structural timbers, and different planking techniques. Interior joinery, exterior joinery, and yacht rigging is also covered.

Graduates may find work with yacht manufacturers, high end furniture shops, architectural millwork shops, and companies installing built in furniture in homes. Other opportunities can be found in boat maintenance and repair yards. The following college is approved to offer this program:

Cape Fear Community College

*Building Construction Technology (A35140)

Construction: Architecture and Construction Technology
Career Cluster: Architecture and Construction

A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; print reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing. The following colleges are approved to offer this program:

College of The Albemarle	Sampson Community College
Fayetteville Technical Community College	Southwestern Community College
Haywood Community College	Tri-County Community College
Isothermal Community College	Western Piedmont Community College
Pitt Community College	Wilkes Community College

Cabinetmaking (Diploma) (D35160)

The Cabinetmaking curriculum prepares students for employment in the woodworking industry. Kitchen cabinet and bathroom vanity design and constructions are studied prior to practical application. This curriculum also provides students the opportunity to plan and construct furniture products.

Students will read blueprints and plan, construct, finish, and install kitchen cabinets and bathroom vanities. Safe operation of hand tools and machinery will be emphasized while studying purchasing principles, building considerations, and related subjects required for construction of cabinets and furniture.

Graduates should qualify for employment in a facility that manufactures cabinets, furniture, or other wood products. Students will understand plant organization and operations for possible self-employment.

No colleges are currently approved to offer this program.

Carpentry (Diploma) (D35180)

Construction: Architecture and Construction Technology
Career Cluster: Architecture and Construction

A program that prepares individuals to apply technical knowledge and skills to lay out, cut, fabricate, erect, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, print reading, foundations and roughing-in, finish carpentry techniques, and applicable codes and standards. The following colleges are approved to offer this program:

Alamance Community College	Mayland Community College
Bladen Community College	McDowell Technical Community College
Cape Fear Community College	Piedmont Community College
Central Carolina Community College	Robeson Community College
Cleveland Community College	Southwestern Community College
Fayetteville Technical Community College	Surry Community College
Forsyth Technical Community College	Vance-Granville Community College
Guilford Technical Community College	

*Commercial Refrigeration Technology (A35200)

The Commercial Refrigeration Technology curriculum is designed to provide technicians with the knowledge and skills necessary for the installation, troubleshooting, and repair of refrigeration equipment found in commercial environments.

Students will work on commercial refrigeration systems including walk-in units, reach-in refrigerators and freezers, ice machines, and other refrigeration equipment found in restaurants, supermarkets, convenience markets, and food processing plants.

Graduates should be able to assist in the startup, preventive maintenance, service, repair, and/or installation of commercial refrigeration equipment and systems. The following college is approved to offer this program:

Martin Community College

*Construction Management Technology (A35190)

Construction: Architecture and Construction Technology
Career Cluster: Architecture and Construction

A program that prepares individuals to supervise, manage, and inspect construction sites, buildings, and associated facilities. Includes instruction in site safety, personnel supervision, labor relations, diversity training, construction documentation, scheduling, resource and cost control, bid strategies, rework prevention, construction insurance and bonding, accident management and investigation, applicable law and regulations, and communication skills. The following colleges are approved to offer this program:

Asheville Buncombe Technical Community College	Rowan-Cabarrus Community College
Cape Fear Community College	Surry Community College
Central Piedmont Community College	Wake Technical Community College
Guilford Technical Community College	

*Electric Line Construction Technology (A35230)

The Electric Line Construction Technology curriculum prepares individuals to work as electric line construction technicians in the preparation and repair of rural electrical utility service. Students will combine electrical theory with laboratory and practical applications in the course of study.

Students will be expected to master competencies such as those included in elements of electricity, overhead pole and electrical line construction, safety codes and applications, electric power system, transformer and meter installations, and exploration of underground electrical distribution.

Upon successful completion of the program, individuals will receive the Associate of Applied Science degree and will possess the necessary skills for employment in the dynamic electrical utility field. The following college is approved to offer this program:

Nash Community College
awards the credential in collaboration with the following colleges:
Edgecombe Community College
Halifax Community College
Pamlico Community College
Wake Technical Community College

*Electrical Systems Technology (A35130)

Electrical Systems Technology
Career Cluster: Architecture and Construction

The Electrical Systems Technology curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Beaufort County Community College
Bladen Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Catawba Valley Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
College of The Albemarle
Durham Technical Community College
Edgecombe Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Haywood Community College
Isothermal Community College
James Sprunt Community College
Martin Community College

Mayland Community College
McDowell Technical Community College
Mitchell Community College
Montgomery Community College
Nash Community College
Pamlico Community College
Piedmont Community College
Pitt Community College
Randolph Community College
Richmond Community College
Robeson Community College
Rockingham Community College
Rowan-Cabarrus Community College
South Piedmont Community College
Southeastern Community College
Southwestern Community College
Surry Community College
Tri-County Community College
Vance-Granville Community College
Wake Technical Community College
Wilson Community College

Heavy Equipment Operator (Diploma) (D35240)

The Heavy Equipment Operator curriculum prepares students to efficiently operate heavy equipment such as dozers, loaders, scrapers, and graders and to perform basic preventive maintenance on most types of heavy equipment.

Course work includes training in two specialized categories: earth moving and cranes. Earth moving courses provide instruction in the operation of crawler tractors, self-propelled scrapers, front-end loaders, backhoe loader combination, hydraulic excavators, and motor graders. Crane instruction emphasizes training in draglines and clams.

Graduates of this program may find employment with state and local government agencies and private contractors engaged in highway or other construction activities. The following college is approved to offer this program:

Stanly Community College
Wake Technical Community College

*Historic Preservation Technology (A35110)

Construction: Historic Preservation Technology
Career Cluster: Architecture and Construction

The Historic Preservation Technology curriculum provides courses related to the documentation and preservation of cultural and historic buildings and sites. The program emphasizes technical training in historic site and historic building preservation and restoration.

Course work includes archival research, building design, drafting, conservation techniques, building renovation, field data collection, historic preservation, documentation, sustainable building design, and the application of preservation law.

Graduates of this pathway should qualify for work as building renovation and site specialists, historic preservation consultants or as assistants to professional historic preservationists. The following college is approved to offer this program:

Edgecombe Community College
Piedmont Community College

Masonry (Diploma) (D35280)

Construction: Architecture and Construction Technology
Career Cluster: Architecture and Construction

A program that prepares individuals to apply technical knowledge and skills in the laying and/or setting of exterior brick, concrete block, and related materials, using trowels, levels, hammers, chisels, and other hand tools. Includes instruction in technical mathematics, print reading, structural masonry, decorative masonry, foundations, reinforcement, mortar preparation, cutting and finishing, and applicable codes and standards. The following colleges are approved to offer this program:

Central Carolina Community College   Mayland Community College
James Sprunt Community College   Southwestern Community College

Plumbing (Diploma) (D35300)

Construction: Architecture and Construction Technology
Career Cluster: Architecture and Construction

A program that prepares individuals to work in the field of plumbing by applying technical knowledge and skills to lay out, assemble, install, and maintain piping fixtures and systems for natural gas, lp gas, hot water, drainage, sprinkling, and plumbing processing systems in residential and commercial environments. Includes instruction in source determination, water service and distribution, waste removal, pressure adjustment, basic physics, technical mathematics, print reading, pipe installation, pumps, soldering, plumbing inspection, and applicable codes and standards. The following colleges are approved to offer this program:

Blue Ridge Community College
Cape Fear Community College
Cleveland Community College
Fayetteville Technical Community College
Forsyth Technical Community College

Guilford Technical Community College
Roanoke-Chowan Community College
Southwestern Community College
Wake Technical Community College

Engineering Technologies

The Engineering Technologies programs prepare individuals for job opportunities as technicians in a variety of engineering-related, scientific, and technical fields. The curriculums will include the fundamentals of oral and written communications, mathematics, physics, computer skills, and computer-aided design (CAD). In some curriculums, graduates will acquire the skills to design, build, install, test, troubleshoot, repair, program, operate, maintain, service, and modify developmental and production electronic components, equipment, and systems such as automated manufacturing systems. In some curriculums, graduates will acquire the skills to perform materials testing, structures analysis, project estimation and management, hydraulics and environmental analysis, surveying, construction document preparation, and building codes and specifications interpretations. In some curriculums, graduates will acquire the skills associated with the design, development, testing, and repair of mechanical equipment, process specification, tooling selection, fabrication, research and development, and automation programming. All curriculums will stress critical thinking, planning, and problem solving. The following curriculums are included in this program area:

Applied Engineering Technology (A40130)
Architectural Technology (A40100)
Automation Engineering Technology (A40120)
Civil Engineering Technology (A40140)
Computer Engineering Technology (A40160)
Electrical Engineering Technology (A40180)
Electronics Engineering Technology (A40200)
Environmental Engineering Technology (A40150)
Geomatics Technology (A40420)
Geospatial Mapping Technology (A40110)
Geospatial Technology (A40220)

Industrial Engineering Technology (A40240)
Landscape Architecture Technology (A40260)
Laser and Photonics Technology (A40280)
Low Impact Development (A40290)
Mechanical Engineering Technology (A40320)
Mechatronics Engineering Technology (A40350)
Sustainability Technologies (A40370)
Telecommunications and Network Engineering Technology (A40400)

*Applied Engineering Technology (A40130)

Engineering and Technology: Applied, Automation, Mechatronics Engineering Technology
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares the students to use basic engineering principles and technical skills to solve technical problems in various types of industry. The course work emphasizes analytical and problem-solving skills. The curriculum includes courses in safety, math, physics, electricity, engineering technology, and technology-specific specialty areas. Graduates should qualify for employment in a wide range of positions in research and development, manufacturing, sales, design, inspection, or maintenance. Employment opportunities exist in automation, computer, electrical, industrial, or mechanical engineering fields, where graduates will function as engineering technicians. The following college is approved to offer this program:

Davidson County Community College
Mayland Community College
Wilkes Community College
Wilson Community College

*Architectural Technology (A40100)

Construction: Architecture and Construction Technology
Career Cluster: Architecture and Construction

A program that prepares individuals to assist architects, engineers, and construction professionals in developing plans and related documentation for residential and commercial projects in both the private and public sectors. Includes instruction in architectural drafting, computer-assisted drafting, construction materials and methods, environmental systems, codes and standards, structural principles, cost estimation, planning, graphics, and presentation. The following colleges are approved to offer this program:

Cape Fear Community College
Central Piedmont Community College
Coastal Carolina Community College
College of The Albemarle
Durham Technical Community College
Fayetteville Technical Community College
Forsyth Technical Community College

Gaston College
Guilford Technical Community College
Nash Community College
Pitt Community College
Sandhills Community College
Wake Technical Community College
Wilkes Community College

*Automation Engineering Technology (A40120)

Engineering and Technology: Applied, Automation, Mechatronics Engineering Technology
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares the students to use basic engineering principles and technical skills to develop, install, calibrate, modify and maintain automated systems. Includes instruction in computer systems; electronics and instrumentation; programmable logic controllers (PLCs); electric, hydraulic and pneumatic control systems; actuator and sensor systems; process control; robotics; applications to specific industrial tasks. The graduates of this curriculum will be prepared for employment in industries that utilize control systems, computer hardware and software, electrical, mechanical and electromechanical devices in their automation systems. The following colleges are approved to offer this program:

Cleveland Community College
Forsyth Technical Community College

*Civil Engineering Technology (A40140)

Engineering and Technology: Civil Engineering and Geomatics Technologies
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares students to use basic engineering principles and technical skills to carry out planning, documenting and supervising tasks in sustainable land development and public works and facilities projects. Includes instruction in the communication and computational skills required for materials testing, structural testing, field and laboratory testing, site analysis, estimating, project management, plan preparation, hydraulics, environmental technology, and surveying. Graduates should qualify for technician-level jobs with both public and private engineering, construction, and surveying agencies. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Central Piedmont Community College
Fayetteville Technical Community College
Gaston College
Guilford Technical Community College

Sandhills Community College
Southwestern Community College
Wake Technical Community College
Western Piedmont Community College

*Computer Engineering Technology (A40160)

Engineering and Technology: Electrical Engineering Technology
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares the students to use basic engineering principles and technical skills for installing, servicing, and maintaining computers, peripherals, networks, and microprocessor and computer controlled equipment. Includes instruction in mathematics, computer electronics and programming, prototype development and testing, systems installation and testing, solid state and microminiature circuitry, peripheral equipment, and report preparation. Graduates should qualify for employment opportunities in electronics technology, computer service, computer networks, server maintenance, programming, and other areas requiring knowledge of electronic and computer systems. Graduates may also qualify for certification in electronics, computers, or networks. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Cape Fear Community College
Catawba Valley Community College
Central Carolina Community College
Central Piedmont Community College
College of The Albemarle
Craven Community College
Forsyth Technical Community College
Gaston College
Isothermal Community College

Lenoir Community College
Mayland Community College
Nash Community College
Richmond Community College
Sandhills Community College
Southwestern Community College
Stanly Community College
Wake Technical Community College
Western Piedmont Community College

*Electrical Engineering Technology (A40180)

Engineering and Technology: Electrical Engineering Technology
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares the students to apply basic engineering principles and technical skills in electrical maintenance and management or in the design, planning, construction, development, and installation of electrical systems, machines, and power generating equipment. Includes instruction in electrical circuitry, prototype development and testing, systems analysis and testing, systems maintenance, instrument calibration, and report preparation. Graduates may seek employment as technicians, engineering assistants, technical managers, or salespersons in electrical generation/distribution, industrial maintenance, electronic repair, or other fields requiring a broad-based knowledge of electrical and electronic concepts. The following colleges are approved to offer this program:

Beaufort County Community College
Central Piedmont Community College
Craven Community College

Southeastern Community College
Tri-County Community College
Western Piedmont Community College

*Electronics Engineering Technology (A40200)

Engineering and Technology: Electrical Engineering Technology
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares the students to apply basic engineering principles and technical skills to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems. Includes instruction in mathematics, basic electricity, solid-state fundamentals, digital concepts, and microprocessors or programmable logic controllers. Graduates should qualify for employment as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Beaufort County Community College
Blue Ridge Community College
Brunswick Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Catawba Valley Community College
Central Carolina Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
Craven Community College
Davidson County Community College
Durham Technical Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College

Haywood Community College
Isothermal Community College
Mayland Community College
Mitchell Community College
Nash Community College
Pitt Community College
Richmond Community College
Rockingham Community College
Rowan-Cabarrus Community College
Southwestern Community College
Stanly Community College
Surry Community College
Vance-Granville Community College
Wake Technical Community College
Wayne Community College
Wilkes Community College
Wilson Community College

*Environmental Engineering Technology (A40150)

Engineering and Technology: Civil Engineering and Geomatics Technologies
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares students to use mathematical and scientific principles to modify, test, and operate equipment and devices used in the prevention, control and remediation of environmental problems and development of environmental remediation devices. Includes instruction in environmental safety principles, environmental standards, testing and sampling procedures, laboratory techniques, instrumentation calibration, safety and protection procedures, equipment maintenance, and report preparation. The following college is approved to offer this program:

Asheville-Buncombe Technical Community College

*Geomatics Technology (A40420)

Engineering and Technology: Civil Engineering and Geomatics Technologies
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares students to use mathematical and scientific principles for the delineation, determination, planning and positioning of land tracts, boundaries, contours and features applying principles of route surveying, construction surveying, photogrammetry, mapping, global positioning systems, geographical information systems, and other kinds of property description and measurement to create related maps, charts and reports. Includes instruction in applied geodesy, computer graphics, photointerpretation, plane and geodetic surveying, mensuration, traversing, survey equipment operation and maintenance, instrument calibration, and basic cartography. Graduates should qualify for jobs as survey party chief, instrument person, surveying technician, highway surveyor, mapper, GPS technician, and CAD operator. Graduates will be prepared to pursue the requirements necessary to become a Registered Land Surveyor in North Carolina. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Brunswick Community College
Central Piedmont Community College
Fayetteville Technical Community College
Guilford Technical Community College

Sandhills Community College
Southwestern Community College
Wake Technical Community College
Western Piedmont Community College

*Geospatial Mapping Technology (A40110)

Engineering and Technology: Civil Engineering and Geomatics Technologies
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares students to use mathematical and scientific principles for calculating, drawing, and verifying accuracy of mapmaking parameters which includes analysis of large amounts of geographic data through map making software. Includes instruction in cartographic theory and map projections, computer-assisted cartography, geographic information systems, map design and layout, photogrammetry, air photo interpretation, remote sensing, spatial analysis, geodesy, cartographic editing, and applications to specific industrial, commercial, research, and governmental mapping problems. Graduates should find employment as mapping assistants, cartography assistants, field technicians and remote sensing assistants in engineering firms, local, state and federal government.

No colleges are currently approved to offer this program.

*Geospatial Technology (A40220)

Engineering and Technology: Geospatial Technology
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares students to use technical skills and advanced computer hardware and software for programming, database management and internet applications using geographic data and geographic information systems. Includes instruction in mathematics, computer-assisted cartography, geographic information systems, map design and layout, photogrammetry, air photo interpretation, remote sensing, spatial analysis, geodesy, cartographic editing, global navigation satellite system technology and applications to specific industrial, commercial, research, and governmental mapping problems. Graduates should find employment as field technicians or as database and mapping assistants.
The following colleges are approved to offer this program:

Central Piedmont Community College
Edgecombe Community College

*Industrial Engineering Technology (A40240)

Manufacturing Production and Process Development: Manufacturing and Industrial Engineering Technology
Career Cluster: Manufacturing

A course of study that prepares the students to use basic engineering principles and technical skills to develop, implement, and improve industrial and service systems. Includes instruction in systems analysis, quality and productivity improvement techniques for process development, cost analysis, facilities planning, organizational behavior, industrial processes, industrial planning procedures, computer applications, and report and presentation preparation. Graduates should qualify for employment as industrial process technicians, quality assurance and control technicians, and facilities managers. Certification is available through organizations such as ASQC, SME, and APICS. The following colleges are approved to offer this program:

Catawba Valley Community College
Lenoir Community College
Randolph Community College

Rowan-Cabarrus Community College
Wake Technical Community College

*Landscape Architecture Technology (A40260)

Construction: Landscape Architecture Technology
Career Cluster: Architecture and Construction

The Landscape Architecture Technology curriculum prepares individuals as landscape architecture technicians in landscape design, construction, and architecture fields. The well-trained landscape technician will find excellent prospects for employment and advancement, including large-scale site design and supervision and residential landscape design.

Students receive instruction in landscape construction materials and methods, environmental planning, principles of horticulture, building codes, and computer applications. They develop drafting and computer skills through progressive hands-on courses. Students may choose from a library of courses to suit specific interest areas.

Graduates will demonstrate a working knowledge of landscape architectural practices, including site planning, storm water engineering, road and parking layouts, and grading and plant selection according to zoning/code requirements. The following college is approved to offer this program:

Wake Technical Community College

*Laser and Photonics Technology (A40280)

Engineering and Technology: Electrical Engineering Technology
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares the students to apply basic engineering principles and technical skills for specifying, operating, and maintaining laser-based systems. Includes instruction in mathematics, science, communications, electronics, and optics courses emphasizing laboratory learning experiences that develops the hands-on skills needed. Graduates of the curriculum qualify for current and emerging employment opportunities in fiber optic communications, materials processing, laser surgery, research, and a variety of related fields. The following college is approved to offer this program:

Central Carolina Community College

*Low Impact Development (A40290)

Construction: Low Impact Development
Career Cluster: Architecture and Construction

The Low Impact Development (LID) curriculum is designed to prepare students interested in sustainable development and natural resource management with the technical skills to serve as specialists in the analysis of land and in the preparation of LID recommendations.

The program of study will consist of a multidisciplinary core of coursework including the study of land planning software programs, soils, site analysis, hydrology, geospatial technology, and environmental regulations.

Graduates should qualify for a variety of positions such as LID consultants, technicians, and/or liaisons between landscape architects, engineers, construction contractors and/or related professionals. The following college is approved to offer this program:

No colleges are approved to offer this program at this time.

*Mechanical Engineering Technology (A40320)

Engineering and Technology: Mechanical Engineering Technology
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Beaufort County Community College
Blue Ridge Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Catawba Valley Community College
Central Piedmont Community College
College of the Albemarle
Craven Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College

Isothermal Community College
Lenoir Community College
Mitchell Community College
Pitt Community College
Richmond Community College
Rowan-Cabarrus Community College
South Piedmont Community College
Wake Technical Community College
Wayne Community College
Western Piedmont Community College
Wilson Community College

Mechatronics Engineering Technology (A40350)

Engineering and Technology: Applied, Automation, Mechatronics Engineering Technology
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations. The following colleges are approved to offer this program:

Blue Ridge Community College
Cape Fear Community College
Catawba Valley Community College
Central Piedmont Community College
Gaston College
Guilford Technical Community College
Mitchell Community College

Randolph Community College
Richmond Community College
South Piedmont Community College
Southwestern Community College
Surry Community College
Vance-Granville Community College
Wayne Community College

Mission Critical Operations (A40430)

Engineering and Technology: Applied, Automation, Mechatronics Engineering Technology
Career Cluster: Science, Technology, Engineering, Mathematics

This curriculum is designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

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. The following colleges are approved to offer this program:

Cleveland Community College

*Sustainability Technologies (A40370)

Sustainability Technologies
Career Cluster: Science, Technology, Engineering, and Mathematics

The Sustainability Technologies curriculum is designed to prepare individuals for employment in environmental, construction, renewable energy, or related industries, where key emphasis is placed on energy production and waste reduction along with sustainable technologies.

Course work includes renewable energy, green building technology, and environmental technologies. Additional topics may include sustainability, energy management, waste reduction, renewable energy, site assessment, and environmental responsibility. Graduates should qualify for positions within the renewable energy, construction, and/or environmental industries. Employment opportunities exist in both the government and private industry sectors where graduates may function as renewable energy technicians, sustainability consultants, environmental technicians, or green building supervisors. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College	Lenoir Community College
Cape Fear Community College	Southeastern Community College
Central Carolina Community College	Southwestern Community College
Central Piedmont Community College	Surry Community College
College of The Albemarle	Vance-Granville Community College
Davidson County Community College	Wayne Community College
Durham Technical Community College	Western Piedmont Community College
Forsyth Technical Community College	

*Telecommunications and Network Engineering Technology (A40400)

Engineering and Technology: Electrical Engineering Technology
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares the students to apply basic engineering principles and technical skills for positions in the telecommunication networking industry. Includes instruction in mathematics, basic electricity, solid-state fundamentals, digital concepts, microprocessors, telecommunications and network systems with an emphasis on analyzing and troubleshooting telecommunications and network systems. Graduates should qualify for employment as electronic engineering technician, field service technician, maintenance technician, network system technician, network specialist, network systems integrator, and network administrator. The following colleges are approved to offer this program:

Guilford Technical Community College
Stanly Community College

Health Sciences

The Health Sciences programs are designed to prepare the graduate for licensure, certification or registration by examination. Professional program accreditation applies to specific Health Sciences programs and is awarded by the accrediting body of the appropriate professional society or association. Completion of an approved educational program is required for several of the Health Sciences programs in order for the graduates of the programs to be eligible to apply to take the required examinations.

High school graduation or its equivalent is required for admission to most Health Science programs. Individuals desiring careers in the health science field should take biology, algebra and chemistry courses prior to entering the program. The curriculums in this program area include:

Associate Degree Nursing (A45110)
Cancer Information Management (A45130)
Cardiovascular/Vascular Interventional Technology (Diploma)(D45140)
Cardiovascular Sonography (A45160)
Cardiovascular Technology (Invasive and Non-Invasive) (A45170)
Central Sterile Processing (Certificate)(C45180)
Clinical Trials Research Associate (A45190)
Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) (D45200)
Cytotechnology (Certificate)(C45220)
Dental Assisting (Diploma)(D45240)
Dental Hygiene (A45260)
Dental Laboratory Technology (A45280)
Dialysis Technology (Diploma)(D45300)
Dietetic Technician (A45310)
Electroneurodiagnostic Technology (A45320)
Emergency Medical Science (A45340)
Health and Fitness Science (A45630)
Health Care Technology (Certificate)(C45350)
Health Information Technology (A45360)
Healthcare Interpreting (A45430)
Histotechnology (A45370)
Human Services Technology (A45380)
Human Services Technology/Animal Assisted Interactions (A4538F)
Human Services Technology/Developmental Disabilities (A4538A)
Human Services Technology/Gerontology (A4538B)
Human Services Technology/Mental Health (A4538C)
Human Services Technology/Social Services (A4538D)
Human Services Technology/Substance Abuse (A4538E)

Interventional Cardiac and Vascular Technology (A45410)
Licensed Practical Nurse Refresher (Certificate) (C45390)
Magnetic Resonance Imaging (A45800)
Mammography (Certificate) (C45830)
Medical Assisting (A45400)
Medical Dosimetry (Diploma) (D45450)
Medical Laboratory Technology (A45420)
Medical Product Safety and Pharmacovigilance (A45810)
Medical Sonography (A45440)
Nuclear Medicine Technology (A45460)
Nurse Aide (Certificate) (C45840)
Occupational Therapy Assistant (A45500)
Ophthalmic Medical Assistant (Diploma) (D45510)
Optical Apprentice (Certificate)(C45520)
Optical Laboratory Mechanics (Certificate)(C45540)
Opticianry (A45560)
Pharmacy Technology (A45580)
Phlebotomy (Certificate)(C45600)
Physical Therapist Assistant (2-year program) (A45620)
Physical Therapist Assistant (1+1)(A45640)
Polysomnography (C45650)
Polysomnography (A45670)
Positron Emission Tomography (Diploma) (D45820)
Practical Nursing (Diploma)(D45660)
Radiation Therapy Technology (A45680)
Radiography (A45700)
Recreational Therapy Assistant (A45150)
Respiratory Therapy (A45720)
Speech-Language Pathology Assistant (A45730)
Surgical Technology (A45740)
Therapeutic Massage (A45750)
Veterinary Medical Technology (A45780)

*Associate Degree Nursing (A45110)

The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs 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 the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN). Employment opportunities are vast within the global health care system and may include positions within acute, chronic, extended, industrial, and community health care facilities. The following colleges are approved to offer this program:

Alamance Community College	Lenoir Community College
Asheville-Buncombe Technical Community College	Mayland Community College
Beaufort County Community College	McDowell Technical Community College
Bladen Community College	Mitchell Community College
Blue Ridge Community College	Nash Community College
Brunswick Community College	Piedmont Community College
Caldwell Community College and Technical Institute	Pitt Community College
Cape Fear Community College	Randolph Community College
Carteret Community College	Richmond Community College
Catawba Valley Community College	Roanoke-Chowan Community College
Central Carolina Community College	Robeson Community College
Central Piedmont Community College	Rockingham Community College
Cleveland Community College	Rowan-Cabarrus Community College
Coastal Carolina Community College	Sampson Community College
College of The Albemarle	Sandhills Community College
Craven Community College	South Piedmont Community College
Davidson County Community College	Southeastern Community College
Durham Technical Community College	Southwestern Community College
Edgecombe Community College	Stanly Community College
Fayetteville Technical Community College	Surry Community College
Forsyth Technical Community College	Tri-County Community College
Gaston College	Vance-Granville Community College
Guilford Technical Community College	Wake Technical Community College
Halifax Community College	Wayne Community College
Haywood Community College	Western Piedmont Community College
Isothermal Community College	Wilkes Community College
James Sprunt Community College	Wilson Community College
Johnston Community College	

Breast Sonography (C45490)

The Breast Sonography curriculum provides registered mammographers the didactic and clinical experience necessary to become registered breast sonographers.

Course work includes breast pathophysiology; physics, instrumentation, and equipment operation necessary to perform diagnostic and interventional breast sonography procedures; and clinical breast image production and evaluation.

Graduates may be eligible to apply to take the American Registry of Radiologic Technologists (ARRT) certification exam in Breast Sonography. The following colleges are approved to offer this program:

Pitt Community College

*Cancer Information Management (A45130)

The Cancer Information Management curriculum is designed to provide individuals with the knowledge and skills necessary to maintain a cancer data collection system that is consistent with medical, administrative, ethical, legal and accreditation requirements.

Students will analyze health records according to standards set by various agencies, compile, maintain, monitor, and report cancer data for research, quality management, facility planning and marketing; abstract and code clinical data; and obtain survival data through yearly follow-up.

Graduates may be eligible to take the national certifying examination given by the National Cancer Registrars Association to become a Certified Tumor Registrar (CTR). Employment opportunities include health care facilities, data organizations, and government agencies. The following college is approved to offer this program:

Davidson County Community College

Cardiovascular/Vascular Interventional Technology (Diploma) (D45140)

The Cardiovascular/Vascular Interventional Technology curriculum teaches students to use specialized equipment to visualize vascular structures and to assist physicians in diagnostic and interventional procedures. *Individuals entering this curriculum must be registered or registry- eligible radiologic technologists by the ARRT.*

The technologist, through academic and clinical studies, is prepared to provide quality patient care and professional communication skills while performing scheduled and emergency angiographic studies utilizing sterile technique, advanced radiographic and specialty equipment, and radiation protection techniques.

Graduates of this program may be eligible to sit for the American Registry of Radiologic Technologists Advanced Level Examination in Cardiovascular Interventional Technology. Technologists may find employment in medical facilities where vascular, cardiovascular, and/or interventional imaging procedures are performed. The following colleges are approved to offer this program:

Edgecombe Community College
Stanly Community College

*Cardiovascular Sonography (A45160)

The Cardiovascular Sonography curriculum provides the individual with the knowledge and skills necessary to acquire, process, and evaluate the human heart and vascular structures. A cardiovascular sonographer uses high frequency sound waves to produce images of the heart and vascular structures.

Course work includes effective communication and patient care skills combined with a knowledge of physics, human anatomy, physiology, and pathology, all of which are essential to obtaining high quality sonographic images.

Graduates may be eligible to apply to the American Registry of Diagnostic Medical Sonographers for examinations in physics, cardiovascular physics, vascular physics, and adult echocardiography. Graduates may find employment in hospitals, physicians' offices, mobile services, and educational institutions. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Forsyth Technical Community College
Johnston Community College
Pitt Community College
South Piedmont Community College

*Cardiovascular Technology (Invasive and Non-Invasive) (A45170)

Cardiovascular Technology is an allied health career which prepares individuals to develop technical and cognitive skills necessary to perform procedures leading to diagnosis and treatment of cardiovascular heart disease.

Course work emphasizes technical skill development with application of concepts of echocardiography, exercise stress testing, electrocardiography, cardiac catheterization, blood gases, electrophysiology, and anatomy and physiology.

Graduates selecting the non-invasive track may be eligible for the Cardiovascular Technology Registry and American Registry for Diagnostic Sonographers. Graduates selecting the invasive track may be eligible for the Invasive Registry to become a Registered Cardiovascular Invasive Specialist. The following college is approved to offer this program:

Central Piedmont Community College

Central Sterile Processing (Certificate) (C45180)

The Central Sterile Processing curriculum is designed to prepare individuals for the field of Sterile Processing and Central Service Supply.

Students will develop skills necessary to properly disinfect, prepare process, store, and issue both sterile and nonsterile supplies and equipment for patient care. Also, students will learn to operate sterilizing units and monitor effectiveness of the sterilization process.

Graduates will receive a certificate and may be eligible to apply to take the National Institute for Certification of Healthcare Sterile Processing and Distribution Personnel Examination (CBSPD). Employment opportunities include surgery centers, dialysis facilities, and central processing units in hospitals. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College   Fayetteville Technical Community College
Davidson County Community College   Randolph Community College
Edgecombe Community College

*Clinical Trials Research Associate (A45190)

The Clinical Trials Research Associate curriculum prepares individuals to assist physicians and clinical researchers in the initiation, administration, coordination, and management of clinical research studies for the development of new drugs, clinical products, and treatment regimens.

Course work includes in-depth study of drug development, Federal regulations, and clinical research processes. Supervised fieldwork provides skill application in subject recruitment, regulatory compliance, accountability for drugs/devices, and documentation of subject involvement in clinical research studies.

Graduates may be eligible to sit for national certification examinations. Research employment opportunities may include medical centers, hospitals, pharmaceutical industries, clinics, research facilities, biotechnology or device companies, and physicians' offices. The following college is approved to offer this program:

Durham Technical Community College

Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) (D45200)

The Computed Tomography and Magnetic Resonance Imaging Technology curriculum, a specialty for radiographers, prepares the individual to use specialized equipment to visualize cross-sectional anatomical structures and aid physicians in the demonstration of pathologies and disease processes. *Individuals entering this curriculum must be registered or registry-eligible radiologic technologists by the ARRT.*

Course work prepares the technologist to provide patient care and perform studies utilizing imaging equipment, professional communication, and quality assurance in scheduled and emergency procedures through academic and clinical studies.

Graduates may be eligible to sit for the American Registry of Radiologic Technologists Advanced-Level testing in Computed Tomography and/or Magnetic Resonance Imaging examinations. They may find employment in facilities which perform these imaging procedures. The following colleges are approved to offer this program:

Cleveland Community College
Edgecombe Community College
   awards the credential in collaboration with:
      Johnston Community College
      Vance-Granville Community College

Forsyth Technical Community College
Pitt Community College
Southwestern Community College
Wake Technical Community College

Cytotechnology (Certificate) (C45220)

Cytotechnology is an advanced allied health career which prepares the individual to use specialized equipment to study cells for detecting cancer, hormonal abnormalities, and other pathological disease processes. *Individuals entering this curriculum must have earned a Bachelor's degree with a concentration in the Biological Sciences.*

Course work includes entry-level knowledge and skills in cell collection and preparation and microscopic use to interpret specimens. Graduates work in conjunction with pathologists to perform special diagnostic procedures.

Upon successful completion of the program, graduates receive a certificate in cytotechnology and may be eligible to take the National Registry Examination of the American Society of Clinical Pathologists. Cytotechnologists may find employment in hospital laboratories, universities, and private laboratories. The following college is approved to offer this program:

Central Piedmont Community College

Dental Assisting (Diploma) (D45240)

The Dental Assisting curriculum prepares individuals to assist the dentist in the delivery of dental treatment and to function as integral members of the dental team while performing chairside and related office and laboratory procedures.

Course work includes instruction in general studies, biomedical sciences, dental sciences, clinical sciences, and clinical practice. A combination of lecture, laboratory, and clinical experiences provide students with knowledge in infection/hazard control, radiography, dental materials, preventive dentistry, and clinical procedures.

Graduates may be eligible to take the Dental Assisting National Board Examination to become Certified Dental Assistants. As a Dental Assistant II, defined by the Dental Laws of North Carolina, graduates work in dental offices and other related areas.   The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Cape Fear Community College
Central Carolina Community College
Central Piedmont Community College
Coastal Carolina Community College
Fayetteville Technical Community College
Forsyth Technical Community College
  Awards the credential in collaboration with:
        Surry Community College
Guilford Technical Community College
Martin Community College
  awards the credential in collaboration with:
        Beaufort County Community College
        College of The Albemarle
        Edgecombe Community College
        Nash Community College
        Roanoke-Chowan Community College

Montgomery Community College
Rowan-Cabarrus Community College
Wake Technical Community College
Wayne Community College
  awards the credential in collaboration with:
        Lenoir Community College
Western Piedmont Community College
  awards the credential in collaboration with:
        Caldwell Community College and Technical Institute
        Catawba Valley Community College
Wilkes Community College

Dental Hygiene (A45260)

The Dental Hygiene curriculum provides individuals with the knowledge and skills to access, plan, implement, and evaluate dental hygiene care for the individual and the community.

Students will learn to prepare the operatory, take patient histories, note abnormalities, plan care, teach oral hygiene, clean teeth, take x-rays, apply preventive agents, complete necessary chart entries, and perform other procedures related to dental hygiene care.

Graduates of this program may be eligible to take national and state/regional examinations for licensure which are required to practice dental hygiene. Employment opportunities include
dental offices, clinics, schools, public health agencies, industry, and professional education. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Cape Fear Community College
Catawba Valley Community College
  awards the credential in collaboration with:
        Western Piedmont Community College
Central Carolina Community College
Central Piedmont Community College
Coastal Carolina Community College
Fayetteville Technical Community College

Forsyth Technical Community College
  awards the credential in collaboration with:
        Surry Community College
Guilford Technical Community College
Halifax Community College
  awards the credential in collaboration with:
        Edgecombe Community College
        Nash Community College
Wake Technical Community College
Wayne Community College
  awards the credential in collaboration with:
        Lenoir Community College

*Dental Laboratory Technology (A45280)

The Dental Laboratory Technology curriculum prepares individuals in the art and science of fabricating dental restorations. The dental technician fabricates dentures, partials, metal or porcelain crowns, and bridges. Technicians use specialized hand instruments and equipment and also work with various dental materials.

Course work includes in-depth studies of fabrication techniques for both fixed and removable dental prostheses. The dental laboratory technology student will be exposed to classroom, laboratory, and clinical rotation training.

Graduates may qualify to take the Recognized Graduate Examination administered by the National Board for Certification and may be employed by commercial laboratories, dental office laboratories, or dental manufacturers, or as the owner of a dental laboratory. The following college is approved to offer this program:

Durham Technical Community College

Dialysis Technology (Diploma) (D45300)

The Dialysis Technology curriculum provides individuals with the theoretical/clinical skills to care for patients/clients being treated for acute/chronic renal diseases.

Students will care for patients/clients undergoing dialysis and will maintain dialysis equipment.

Graduates of this program may be eligible to take the Certification Examination for Nephrology Technicians following one year of work experience. Employment opportunities include hospitals, renal dialysis facilities, and clinics. The following college is approved to offer this program:

McDowell Technical Community College
Richmond Community College

*Dietetic Technician (A45310)

The Dietetic Technician program prepares individuals to promote optimal health through proper nutrition by providing personalized services to meet client's needs, and ensure balanced diets. Dietetic Technicians work under the supervision of a licensed dietician.

Course work includes content related to food, nutrition, communication, and management. The physical, biological, behavioral, and social sciences support these areas.

Employment opportunities include childcare centers, hospitals, correctional centers, public health agencies, retirement centers, rehabilitation centers, hospices, clinics, nursing homes, home care programs, or medical offices. The following colleges are approved to offer this program:

Gaston College
  awards the credential in collaboration with:
        Caldwell Community College and Technical Institute
        Catawba Valley Community College
        Mitchell Community College
        Western Piedmont Community College
Lenoir Community College

*Electroneurodiagnostic Technology (A45320)

The Electroneurodiagnostic Technology curriculum is designed to provide students with the knowledge and skills to obtain recordings of patients' nervous system function through the use of electroencephalographic equipment and other electrophysiological devices.

Course work includes communication skills with patients and healthcare personnel, taking appropriate patient histories, electrode application, documentation of patients' clinical status, electrical waveform recognition, management of medical emergencies, and preparation of descriptive reports for the physician.

Graduates should qualify for the ABRET (American Board of Registration of EEG and EP Technologists) Exam and, working under the supervision of a qualified physician, may be employed by hospitals or private offices of neurologists and neurosurgeons. The following colleges are approved to offer this program:

Catawba Valley Community College
Pamlico Community College

*Emergency Medical Science (A45340)

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. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College	Johnston Community College
Bladen Community College	Lenoir Community College
Blue Ridge Community College	Mayland Community College
Cape Fear Community College	Montgomery Community College
Carteret Community College	Pitt Community College
Catawba Valley Community College	Robeson Community College
Central Piedmont Community College	Rowan-Cabarrus Community College
Cleveland Community College	Sandhills Community College
Coastal Carolina Community College	South Piedmont Community College
Davidson County Community College	Southwestern Community College
Durham Technical Community College	*awards the credential in collaboration with:*
Fayetteville Technical Community College	Haywood Community College
Forsyth Technical Community College	Stanly Community College
Gaston College	Tri-County Community College
Guilford Technical Community College	Wake Technical Community College
Isothermal Community College	Wilkes Community College

*Health and Fitness Science (A45630)

The Health and Fitness Science program is designed to provide students with the knowledge and skills necessary for employment in the fitness and exercise industry.

Students will be trained in exercise science and be able to administer basic fitness tests and health risk appraisals, teach specific exercise and fitness classes and provide instruction in the proper use of exercise equipment and facilities.

Graduates should qualify for employment opportunities in commercial fitness clubs, YMCA's/YWCA's, wellness programs in business and industry, Parks & Recreation Departments and other organizations implementing exercise & fitness programs. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Beaufort Community College
Brunswick Community College
Catawba Valley Community College
Coastal Carolina Community College
Fayetteville Technical Community College
Gaston College
   awards the credential in collaboration with:
        Central Piedmont Community College
Rowan-Cabarrus Community College
Sandhills Community College
Wake Technical Community College

Health Care Technology (Certificate) (C45350)

The Health Care Technology curriculum prepares multi-skilled health care personnel to perform a variety of assistive skills which cross several traditional health care disciplines. *Individuals entering this curriculum must be listed on the Nursing Assistant I Registry and have documentation of successful completion of a Nursing Assistant I program.*

Course work includes communication, dietary, and clerical skills, as well as those required for listing as a Nursing Assistant II. Based upon local needs, instruction may also include phlebotomy, basic electrocardiography, environmental maintenance, restorative care, and basic respiratory skills.

Graduates of this program will be eligible for listing as a Nursing Assistant II in the State of North Carolina. Employment opportunity sites include hospitals, nursing homes, extended care facilities, and home health agencies. The following colleges are approved to offer this program:

College of The Albemarle
Forsyth Technical Community College
Piedmont Community College

Randolph Community College
Roanoke-Chowan Community College
Sampson Community College

*Health Information Technology (A45360)

The Health Information Technology curriculum provides individuals with the knowledge and skills to process, analyze, abstract, compile, maintain, manage, and report health information.

Students will supervise departmental functions; classify, code, and index diagnoses and procedures; coordinate information for cost control, quality management, statistics, marketing, and planning; monitor governmental and non-governmental standards; facilitate research; and design system controls to monitor patient information security.

Graduates of this program may be eligible to write the national certification examination to become an Registered Health Information Technician (RHIT). Employment opportunities include hospitals, rehabilitation facilities, nursing homes, health insurance organizations, outpatient clinics, physicians' offices, hospice, and mental health facilities. The following colleges are approved to offer this program:

Brunswick Community College
Catawba Valley Community College
Central Piedmont Community College
  awards the credential in collaboration with:
     Rowan-Cabarrus Community College
Craven Community College
Davidson County Community College
Durham Technical Community College
Edgecombe Community College

McDowell Community College
  awards the credential in collaboration with:
     Isothermal Community College
Pitt Community College
  awards the credential in collaboration with:
     Mitchell Community College
     Sandhills Community College
Richmond Community College
Southwestern Community College

*Healthcare Interpreting (A45430)

The Healthcare Interpreting curriculum prepares individuals proficient in English and a target language to work in a healthcare environment as entry-level bilingual professionals, providing communication access to care and services to those whose language of preference is other than English.

Course work includes an overview of the American healthcare system, roles and responsibilities of the healthcare interpreter, ethical issues, basic human anatomy and physiology, and medical terminology. Students will acquire skills associated with interpretation between English and a target language.

Graduates should qualify for entry-level jobs as professional bilingual interpreters in a variety of healthcare settings. The healthcare settings may include hospitals, physician offices, clinics, health departments or apply language skills to other human service related areas. The following college is approved to offer this program:

Davidson County Community College

*Histotechnology (A45370)

This curriculum provides individuals with the knowledge and skills necessary to prepare tissue specimens for microscopic examination using various stains and dyes to identify tissue and cell structures.

Course work emphasizes scientific concepts related to laboratory testing, quality assurance, histology, microscopy, and other related topics.

Graduates may be eligible to apply to take the national examination given by the Board of Registry of the American Society for Clinical Pathology. Employment opportunities include pathology laboratories in hospitals and clinics and medical or research laboratories. The following college is approved to offer this program:

Davidson County Community College

*Human Services Technology (A45380)

The Human Services Technology curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and educational services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Students will take courses from a variety of disciplines. Emphasis in core courses is placed on development of relevant knowledge, skills, and attitudes in human services. Fieldwork
experience will provide opportunities for application of knowledge and skills learned in the classroom.

Graduates should qualify for positions in mental health, child care, family services, social services, rehabilitation, correction, and educational agencies. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Beaufort County Community College
Carteret Community College
Central Carolina Community College
Central Piedmont Community College
College of The Albemarle
Davidson County Community College
Edgecombe Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Halifax Community College
Lenoir Community College
Mayland Community College
Mitchell Community College
Montgomery Community College
Nash Community College

Pamlico Community College
Piedmont Community College
Pitt Community College
Randolph Community College
Richmond Community College
Roanoke-Chowan Community College
Sampson Community College
Sandhills Community College
South Piedmont Community College
Southwestern Community College
Stanly Community College
Tri-County Community College
Vance-Granville Community College
Wake Technical Community College
Wayne Community College
Western Piedmont Community College
Wilkes Community College

*Human Services Technology/Animal Assisted Interactions (A4538F)

The Human Services Technology/Animal Assisted Interactions concentration prepares individuals for entry-level positions in service organizations providing animal interactions. The curriculum prepares students to incorporate specially selected animals in goal-directed interactions to improve human physical, social, emotional, and/or cognitive functioning.

Course work includes a history of the field of animal interventions, relevant scientific evidence regarding the benefits of interactions, theoretical models, application of animal interventions and current trends. Students gain skills in measurement methodology and in animal handling and management.

Graduates should qualify for employment in mental health, youth services, social services, rehabilitation, correction, elder, and educational agencies. Upon completion of the degree, students may be eligible for certification through national or international organizations. The following college is approved to offer this program:

Tri-County Community College

*Human Services Technology/Developmental Disabilities (A4538A)

The Human Services Technology/Developmental Disabilities concentration is designed to train technicians to work with children and adults with physical, mental, and emotional disabilities. Students will specialize in the areas of developmental disabilities and mental retardation.

Students will gain an understanding of the handicapping effects of developmental disabilities in medical, psychological, social, educational, vocational, and economic terms. Fieldwork and clinical experience in community agencies providing comprehensive services to disabled persons and their families will be provided.

Graduates should qualify for employment in group homes, foster care homes, respite services, vocational rehabilitation agencies, sheltered workshops, adult developmental activities programs, early childhood intervention programs, and other programs for developmentally disabled and mentally retarded individuals and their families. The following colleges are approved to offer this program:

Central Piedmont Community College
Edgecombe Community College
Awards the credential in collaboration with:
      Wayne Community College
Gaston College
Montgomery Community College
Stanly Community College

*Human Services Technology/Gerontology (A4538B)

The Human Services Technology/Gerontology concentration prepares students to specialize in direct service delivery work to older adults and their families. The curriculum provides both theoretical and applied models for understanding issues of aging.

Course work includes physical, psychological, and social aspects of the aging process, as well as health, wellness, nutrition, diet, exercise, and well-being. Fieldwork experiences provide opportunities to work in a variety of public and private agencies.

Graduates should qualify for employment in nursing and rest homes, specialized adult care services, respite services, and other programs servicing older adults and their families. Graduates choosing to continue their education may select a variety of programs at senior institutions. The following colleges are approved to offer this program:

Forsyth Technical Community College
Nash Community College
Pamlico Community College
Piedmont Community College
Pitt Community College
Vance-Granville Community College

*Human Services Technology/Mental Health (A4538C)

The Human Services Technology/Mental Health concentration prepares students for job opportunities in the mental health field. The curriculum enables students to understand culturally and emotionally handicapped, developmentally disabled, or addicted clients through a variety of models and diagnoses.

Course work includes a history of the mental health movement, current developments and future trends, and theoretical models affecting individual development and behavior in a diverse client population. Fieldwork experiences provide opportunities for application of knowledge in agency and institutional settings.

Graduates should qualify for employment in mental health treatment centers serving a diverse multicultural client population in public and private settings. Graduates will work with individuals, families, groups, organizations, and communities in providing a therapeutic arena of care. The following colleges are approved to offer this program:

Guilford Technical Community College
Lenoir Community College
Roanoke-Chowan Community College

Vance-Granville Community College
Wake Technical Community College

*Human Services Technology/Social Services (A4538D)

The Human Services Technology/Social Services concentration prepares students for direct service delivery work in social service agencies. The curriculum enables students to link theory and practice through interactive classroom activities developing a skill-based academic foundation.

Course work includes the history of the social service movement, ethical issues, case management, diversity issues, law in the practice of social work, and community resources. Students also gain skills in interviewing and counseling techniques.

Graduates should qualify for employment with local, county, state, and federal government social service agencies. Employment includes family and child assistance, rehabilitation health services, medical assistance, youth services, aging, and developmentally disabled programs in public and private settings.   The following colleges are approved to offer this program:

Edgecombe Community College
Lenoir Community College

Piedmont Community College
Tri-County Community College

*Human Services Technology/Substance Abuse (A4538E)

The Human Services Technology/Substance Abuse concentration prepares students to assist in drug and alcohol counseling, prevention-oriented educational activities, rehabilitation with recovering clients, managing community-based programs, counseling in residential facilities, and pursuit of four-year degrees.

Course work includes classroom and experiential activities oriented toward an overview of chemical dependency, psychological/sociological process, the twelve Core Functions, intervention techniques with individuals in groups, and follow-up activities with recovering clients.

Graduates should qualify for positions as substance abuse counselors, DUI counselors, halfway house workers, residential facility employees, and substance education specialists. With educational and clinical experiences, graduates can obtain certification by the North Carolina Substance Abuse Board. The following colleges are approved to offer this program:

Central Piedmont Community College
Guilford Technical Community College
Pamlico Community College
Pitt Community College
Sandhills Community College

Southwestern Community College
Vance-Granville Community College
Wake Technical Community College
Western Piedmont Community College

*Interventional Cardiac and Vascular Technology (A45410)

The Interventional Cardiac and Vascular Technology curriculum provides individuals with the knowledge and skills necessary to qualify as an entry-level Intervention Cardiac and Vascular Specialist.

Course work will include radiographic physics, radiation protection, patient care, ECG, pharmacology, anatomy, and pathology. Clinical rotations will provide experiences with advanced radiographic imaging equipment and medications used to visualize human vasculature and organs.

Graduates should qualify for eligibility to apply for and take the Registered Cardiovascular Intervention Technology (RCIS) exams given by the Cardiovascular Credentialing International (CCI). The following colleges are approved to offer this program:

Forsyth Technical Community College
Johnston Community College

Licensed Practical Nurse Refresher (Certificate) (C45390)

The Licensed Practical Nurse Refresher curriculum provides a refresher course for individuals previously licensed as Practical Nurses and who are ineligible for reentry into nursing practice due to a lapse in licensure for five or more years. *Individuals entering this curriculum must have been previously licensed as a Practical Nurse.*

Course work includes common medical-surgical conditions and nursing approaches to their management, including mental health principles, pharmacological concepts, and safe clinical nursing practice.

Graduates will be eligible to apply for reinstatement of licensure by the North Carolina Board of Nursing. Employment opportunities include hospitals, long term care facilities, clinics, physicians' offices, industry, and community health agencies. The following colleges are approved to offer this program:

Isothermal Community College   South Piedmont Community College
Lenoir Community College

*Magnetic Resonance Imaging (A45800)

The Magnetic Resonance Imaging (MRI) curriculum prepares students to become MRI technologist and skilled health care professionals that are educated to use magnetic energy fields to produce images of the human body.

Course work includes imaging fundamentals, MRI physics, procedures, anatomy, pathology, patient care, and imaging ethics and law, in a medical environment. Students should be able to demonstrate all functional areas related to the magnetic resonance imaging field.

Graduates of accredited programs may be eligible to take the American Registry of Radiologic Technologists' (ARRT) national examination for certification and registration as MRI technologists. Graduates may be employed in hospitals, outpatient clinics, physicians' offices, government agencies, and research. The following colleges are approved to offer this program:

Edgecombe Community College   Forsyth Technical Community College
  awards the credential in collaboration with: Wake Technical Community College
        Johnston Community College
        Vance Granville Community College

Mammography (Certificate) (C45830)

The Mammography curriculum provides registered radiologic technologists the didactic and clinical experience necessary to become registered mammographers.

Course work includes clinical rotations to mammography facilities, breast anatomy/physiology, patient preparation/education, mammographic procedures, interventional procedures, image analysis, mammographic instrumentation, physics, quality control, and quality assurance.

Graduates will meet the Mammography Quality Standards Act initial training requirements for mammography and may be eligible to apply to take the American Registry of Radiologic Technologists (ARRT) post primary certification in Mammography. The following colleges are approved to offer this program:

Fayetteville Technical Community College
Pitt Community College

*Medical Assisting (A45400)

The Medical Assisting curriculum prepares multi-skilled health care professionals qualified to perform administrative, clinical, and laboratory procedures.

Course work includes instruction in scheduling appointments, coding and processing insurance accounts, billing, collections, computer operations; assisting with examinations/treatments, performing routine laboratory procedures, electrocardiography, supervised medication administration; and ethical/legal issues associated with patient care.

Graduates of CAAHEP-accredited medical assisting programs may be eligible to sit for the American Association of Medical Assistants' Certification Examination to become Certified Medical Assistants. Employment opportunities include physicians' offices, health maintenance organizations, health departments, and hospitals. The following colleges are approved to offer this program:

Alamance Community College	Mitchell Community College
Asheville-Buncombe Technical Community College	Montgomery Community College
Brunswick Community College	Nash Community College
Caldwell Community College & Technical Institute	Pamlico Community College
Carteret Community College	Piedmont Community College
Central Carolina Community College	Pitt Community College
Central Piedmont Community College	Randolph Community College
Cleveland Community College	Richmond Community College
College of The Albemarle	Robeson Community College
Craven Community College	South Piedmont Community College
Davidson County Community College	Southwestern Community College
Durham Technical Community College	Stanly Community College
Edgecombe Community College	Surry Community College
Forsyth Technical Community College	Tri-County Community College
Gaston College	Vance-Granville Community College
Guilford Technical Community College	Wake Technical Community College
Haywood Community College	Wayne Community College
James Sprunt Community College	Western Piedmont Community College
Johnston Community College	*awards the credential in collaboration with:*
Lenoir Community College	Catawba Valley Community College
Martin Community College	Wilkes Community College
Mayland Community College	

Medical Dosimetry (Diploma) (D45450)

The curriculum is designed to prepare ARRT certified radiation therapists to work in the care of cancer patients as medical dosimetrist. The curriculum provides instruction to enable the participant to become a member of the radiation oncology team.

The curriculum content includes specific coursework to provide classroom and direct clinical experience to train the student in the fundamentals of medical dosimetry practice using current technology, tools and techniques. Students will participate in studies related to the role of the medical dosimetrist and professional ethics, radiation oncology anatomy, treatment planning, dose calculations, clinical oncology, brachytherapy, dosimetry physics, radiation protection, quality assurance and computer applications.

Graduates of the program will be able to obtain employment as a medical dosimetrist and apply to the Medical Dosimetrist Certification Board (MDCB) to sit for a national certification.

Admission criteria include the completion of a bachelors degree.

The following college is approved to offer this program:

Pitt Community College

*Medical Laboratory Technology (A45420)

The Medical Laboratory Technology curriculum prepares individuals to perform clinical laboratory procedures in chemistry, hematology, microbiology, and immunohematology that may be used in the maintenance of health and diagnosis/treatment of disease.

Course work emphasizes mathematical and scientific concepts related to specimen collection, laboratory testing and procedures, quality assurance, and reporting/recording and interpreting findings involving tissues, blood, and body fluids.

Graduates may be eligible to take examinations given by the Board of Registry of Medical Technologists of the American Society of Clinical Pathologists or the National Certifying Agency. Employment opportunities include laboratories in hospitals, medical offices, industry, and research facilities.   The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Beaufort County Community College
Central Piedmont Community College
Coastal Carolina Community College
College of The Albemarle
Davidson County Community College
Halifax Community College
Sandhills Community College
Southeastern Community College

Southwestern Community College
 a*wards the credential in collaboration with:*
     Mitchell Community College
Stanly Community College
Wake Technical Community College
Wayne Community College
Western Piedmont Community College
 a*wards the credential in collaboration with:*
     Caldwell Community College and Technical Institute
     Catawba Valley Community College

*Medical Product Safety and Pharmacovigilance (A45810)

The Medical Product Safety and Pharmacovigilance curriculum prepares individuals to work with pharmaceutical, biologic, and medical device companies to monitor, track, and report product safety data during ongoing clinical trials, as well as after a product has been approved and marketed.

Course work includes in-depth study of federal regulations, components of a safety monitoring program, and procedures for reporting safety data. Supervised fieldwork focuses on reviewing adverse reports, writing safety case narratives, and creating safety reports in accordance with U.S. and international regulations.

Graduates of this program may be eligible to sit for national certification examinations. Employment opportunities may include medical centers, hospitals, pharmaceutical, medical device, biotechnology companies, and contract research organizations.

The following college is approved to offer this program:

Durham Technical Community College

*Medical Sonography (A45440)

The Medical Sonography curriculum provides knowledge and clinical skills in the application of high frequency sound waves to image internal body structures.

Course work includes physics, cross-sectional anatomy, abdominal, introductory vascular, and obstetrical/gynecological sonography. Competencies are attained in identification of normal anatomy and pathological processes, use of equipment, fetal growth and development, integration of related imaging, and patient interaction skills.

Graduates of accredited programs may be eligible to take examinations in ultrasound physics and instrumentation and speciality examinations administered by the American Registry of Diagnostic Medical Sonographers and find employment in clinics, physicians' offices, mobile services, hospitals, and educational institutions. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Forsyth Technical Community College
Johnston Community College

Pitt Community College
   awards the credential in collaboration with:
      Nash Community College
South Piedmont Community College
Southwestern Community College
   awards the credential in collaboration with:
      Mitchell Community College

*Musculoskeletal Sonography (C45850)

The Musculoskeletal Sonography curriculum provides sonographers the didactic and clinical experience necessary to perform entry level musculoskeletal (MSK) sonography.

Course work includes introduction to normal and abnormal anatomy and physiology of the upper and lower extremities, sonographic physical principles, and the production of sonographic images of the musculoskeletal system using state of the art equipment.

Graduates may be eligible to apply to the American Registry of Diagnostic Medical Sonography (ARDMS) for national registry in Musculoskeletal Sonography. Graduates may find employment in clinics, hospitals, physicians' offices, mobile services, and educational institutions.

Individuals entering this curriculum must be registered or registry-eligible for the American Registry of Diagnostic Medical Sonography (ARDMS) or American Registry for Radiologic Technology (ARRT) exam for sonography. The following colleges are approved to offer this program:

South Piedmont Community College

*Nuclear Medicine Technology (A45460)
The Nuclear Medicine Technology curriculum provides the clinical and didactic experience necessary to prepare students to qualify as entry-level Nuclear Medicine Technologists.

Students will acquire the knowledge and skills necessary to properly perform clinical procedures. These skills include patient care, use of radioactive materials, operation of imaging and counting instrumentation, and laboratory procedures.

Graduates may be eligible to apply for certification/registration examinations given by the Nuclear Medicine Technology Certification Board and the American Registry of Radiologic Technologists. The following colleges are approved to offer this program:

Caldwell Community College and Technical Institute
Fayetteville Technical Community College
Forsyth Technical Community College

Johnston Community College
   awards the credential in collaboration with:
      Fayetteville Technical Community College
Pitt Community College
   awards the credential in collaboration with:
      Nash Community College

Nurse Aide (Certificate) (C45840)
The Nurse Aide curriculum prepares individuals to work under the supervision of licensed nursing professionals in performing nursing care and services for persons of all ages.

Topics include growth and development, personal care, vital signs, communication, nutrition, medical asepsis, therapeutic activities, accident and fire safety, household environment and equipment management, family resources and services, and employment skills.

Upon completion, the student may be eligible for listing as a Nurse Aide I and other selected Nurse Aide registries as determined by the local program of study.

The following colleges are approved to offer this program:

Alamance Community College
Beaufort County Community College
Bladen Community College
Brunswick Community College
Caldwell Community College
Carteret Community College
Central Carolina Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
College of The Albemarle
Davidson County Community College
Durham Technical Community College
Edgecombe Community College
Fayetteville Technical Community College
Gaston College
Guilford Technical Community College
Halifax Community College
Johnston Community College
Mayland Community College
McDowell Technical Community College

Mitchell Community College
Montgomery Community College
Piedmont Community College
Pitt Community College
Randolph Community College
Richmond Community College
Roanoke-Chowan Community College
Robeson Community College
Rowan-Cabarrus Community College
Sampson Community College
Sandhills Community College
South Piedmont Community College
Southeastern Community College
Southwestern Community College
Stanly Community College
Surry Community College
Vance-Granville Community College
Wake Technical Community College
Wayne Community College
Western Piedmont Community College
Wilkes Community College

*Occupational Therapy Assistant (A45500)

The Occupational Therapy Assistant curriculum prepares individuals to work under the supervision of a registered/licensed occupational therapist in screening, assessing, planning, and implementing treatment and documenting progress for clients receiving occupational therapy services.

Course work includes human growth and development, conditions which interfere with activities of daily living, theory and process of occupational therapy, individual/group treatment activities, therapeutic use of self, activity analysis, and grading/adapting activities and environments.

Graduates may be eligible to take the national certification examination for practice as a certified occupational therapy assistant. Employment opportunities include hospitals, rehabilitation facilities, long-term/extended care facilities, sheltered workshops, schools, home health programs, and community programs. The following colleges are approved to offer this program:

Cape Fear Community College	Pitt Community College
Central Piedmont Community College	Rowan-Cabarrus Community College
Durham Technical Community College	Southwestern Community College

*Ophthalmic Medical Assistant (Diploma) (D45510)

The Ophthalmic Medical Assistant Program prepares individuals to perform ophthalmic procedures under the supervision of a licensed physician specializing in Ophthalmology. Course work includes lecture, laboratory, and clinical training in ocular measurements; ocular testing, lensometry; administering topical and oral medications; eye care; and caring for instruments.

Graduates are employed in medical institutions, clinics, or physician practices.

Graduates may qualify as candidates to take the Joint Commission on Allied Health Personnel Ophthalmology National Certification Exam. The following colleges are approved to offer this program:

Caldwell Community College and Technical Institute
Central Piedmont Community College
Sandhills Community College

Optical Apprentice (Certificate) (C45520)

The Optical Apprentice curriculum is designed to meet the educational requirements of the North Carolina Board of Opticians for opticianry apprentices.

Students will acquire the competencies necessary to analyze and interpret prescriptions and to accurately fit and dispense eyewear and contact lenses.

Graduates will receive a certificate which may be a partial requirement for the apprenticeship program. Upon completion of all requirements of the apprenticeship program, graduates may be eligible to sit for the North Carolina State Board of Opticians licensing examination. The following college is approved to offer this program:

Durham Technical Community College

Optical Laboratory Mechanics (Certificate) (C45540)

The Optical Laboratory Mechanics curriculum is designed to train students in fabricating eyewear from a physician's prescription, assembling lenses and frames, and making standard alignments.

Course work includes optical theory, the anatomy of the eye, and ophthalmic laboratory skills.

Employment opportunities are available in retail stores with laboratory facilities or in wholesale ophthalmic laboratories. The following college is approved to offer this program:

Durham Technical Community College

*Opticianry (A45560)

The Opticianry curriculum is designed to prepare graduates to adapt and fit corrective eyewear or ophthalmic devices as prescribed by the ophthalmologist or optometrist.

Students will acquire competencies in all phases of opticianry, including analysis and interpretation of prescriptions; surfacing, benchwork, dispensing, and fitting of eyewear and ophthalmic devices; maintenance of consumer records; effective communication with consumers; and business management skills.

Graduates qualify to take certification examinations given by the American Board of Opticianry, the National Contact Lens Examiners, and the North Carolina State Board of Opticians, as well as other state licensing boards. The following college is approved to offer this program:

Durham Technical Community College

Pharmacy Technology (A45580)

The Pharmacy Technology Program prepares individuals to assist the pharmacist in duties that a technician can legally perform and to function within the boundaries prescribed by the pharmacist and the employment agency.

Students will prepare prescription medications, mix intravenous solutions and other specialized medications, update patient profiles, maintain inventories, package medications in unit-dose or med-card form, and gather data used by pharmacists to monitor drug therapy.

Employment opportunities include retail, hospitals, nursing homes, research laboratories, wholesale drug companies, and pharmaceutical manufacturing facilities. Graduates from the program may be eligible to take the National Certification Examination to become a certified pharmacy technician. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Cape Fear Community College
Central Piedmont Community College
Craven Community College
Davidson County Community College
Durham Technical Community College
Fayetteville Technical Community College
Forsyth Technical Community College

Guilford Technical Community College
Johnston Community College
Southeastern Community College
Stanly Community College
Vance-Granville Community College
Wake Technical Community College
Wayne Community College

Phlebotomy (Certificate) (C45600)

The Phlebotomy curriculum prepares individuals to obtain blood and other specimens for the purpose of laboratory analysis.

Course work includes proper specimen collection and handling, communication skills, and maintaining patient data.

Graduates may qualify for employment in hospitals, clinics, physicians' offices, and other health care settings and may be eligible for national certification as phlebotomy technicians. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Brunswick Community College
Cape Fear Community College
Cleveland Community College
College of The Albemarle
Davidson County Community College
Fayetteville Technical Community College
Gaston College
Halifax Community College
Mitchell Community College

Nash Community College
Piedmont Community College
Pitt Community College
Randolph Community College
Rockingham Community College
Southeastern Community College
Southwestern Community College
Wake Technical Community College
Wayne Community College
Western Piedmont Community College

*Physical Therapist Assistant (2-year program) (A45620)

The Physical Therapist Assistant curriculum prepares graduates to work in direct patient care settings under the supervision of physical therapists. Assistants work to improve or restore function by alleviation or prevention of physical impairment and perform other essential activities in a physical therapy department.

Course work includes normal human anatomy and physiology, the consequences of disease or injury, and physical therapy treatment of a variety of patient conditions affecting humans throughout the life span.

Graduates may be eligible to take the licensure examination administered by the NC Board of Physical Therapy Examiners. Employment is available in general hospitals, rehabilitation centers, extended care facilities, specialty hospitals, home health agencies, private clinics, and public school systems. The following colleges are approved to offer this program:

Central Carolina Community College

Craven Community College

Fayetteville Technical Community College
awards the credential in collaboration with
       Bladen Community College:
       James Sprunt Community College
       Mayland Community College

Martin Community College

Rowan-Cabarrus Community College

Southwestern Community College

Stanly Community College

Surry Community College

*Physical Therapist Assistant (1+1) (A45640)

The Physical Therapist Assistant curriculum prepares graduates to work in direct patient care settings under the supervision of physical therapists. Assistants work to improve or restore function by alleviation or prevention of physical impairment and perform other essential activities in a physical therapy department.

Course work includes normal human anatomy and physiology, the consequences of disease or injury, and physical therapy treatment of a variety of patient conditions affecting humans throughout the life span.

Graduates may be eligible to take the licensure examination administered by the NC Board of Physical Therapy Examiners. Employment is available in general hospitals, rehabilitation centers, extended care facilities, specialty hospitals, home health agencies, private clinics, and public school systems. The following colleges are approved to offer this program:

Caldwell Community College and Technical Institute

Central Piedmont Community College

Guilford Technical Community College
awards the credential in collaboration with:
       Randolph Community College
Nash Community College

Polysomnography (Certificate) (C45650)

The Polysomnography curriculum prepares individuals, working in conjunction with a physician, to perform and interpret sleep studies and to provide comprehensive clinical evaluations that are required for the diagnosis of sleep related disorders. *Individuals entering the certificate curriculum must possess a minimum of an associate degree in allied health.*

Students will acquire the knowledge and skills necessary to perform sleep studies, including recording and interpreting events observed during sleep. Treatment of sleep related disorders and patient education focused on healthy sleep habits will also be discussed.

Graduates of accredited programs may be eligible to take the registry examination given by the Board of Registered Polysomnographic Technologists. Employment opportunities may be found in hospitals and freestanding sleep centers. The following colleges are approved to offer this program:

Catawba Valley Community College

Pitt Community College

*Polysomnography (A45670)

The Polysomnography curriculum prepares individuals, working in conjunction with a physician, to perform and interpret sleep studies and to provide comprehensive clinical evaluations that are required for the diagnosis of sleep related disorders.

Students should acquire the knowledge and skills necessary to perform sleep studies, including recording and interpreting events observed during sleep. Treatment of sleep related disorders and patient education focused on healthy sleep habits will also be discussed.

Graduates of accredited programs may be eligible to apply to take the examination offered by the Board of Registered Polysomnographic Technologists. Employment opportunities may be found in hospitals and freestanding sleep centers. The following colleges are approved to offer this program:

Catawba Valley Community College
  awards the credential in collaboration with:
          Surry Community College
Lenoir Community College
Pitt Community College
Sandhills Community College

Positron Emission Tomography (Diploma) (D45820)

The Positron Emission Tomography curriculum prepares individuals, working in conjunction with PET Technologist, to perform related PET radiopharmacy, procedures, and safety.

Students will acquire the knowledge and skills necessary to perform PET studies, including the use of PET/CT and PET/CT fusion. Past, present and future PET issues and studies will also be discussed.

Graduates may be eligible to take the registry examination given by the Nuclear Medicine Technology Certification Board. Employment opportunities can be found in hospitals, freestanding PET centers and mobile PET companies.

Admission criteria include the completion of a diploma in Nuclear Medicine, Radiology or Radiation Therapy.

The following college is approved to offer this program:

Pitt Community College

Practical Nursing (Diploma) (D45660)

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. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Beaufort County Community College
Bladen Community College
Brunswick Community College
Cape Fear Community College
Carteret Community College
Central Carolina Community College
Cleveland Community College
Coastal Carolina Community College
College of The Albemarle
Craven Community College
Davidson County Community College
Durham Technical Community College
Edgecombe Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Halifax Community College
Isothermal Community College

James Sprunt Community College
Lenoir Community College
Martin Community College
McDowell Technical Community College
Montgomery Community College
Nash Community College
Richmond Community College
Robeson Community College
Rockingham Community College
Rowan-Cabarrus Community College
Sampson Community College
Sandhills Community College
South Piedmont Community College
Southeastern Community College
Surry Community College
Vance-Granville Community College
Wayne Community College
Wilson Community College

*Radiation Therapy Technology (A45680)

The Radiation Therapy Technology curriculum is designed to train students to work in conjunction with nurses, physicists, and physicians in the application of prescribed doses of ionizing radiation for the treatment of disease, primarily cancer.

Course work includes physics, anatomy and physiology, dosimetry, and clinical oncology. The student will be skilled in treatment management, administration of prescribed radiation treatment, and provision of patient support.

Graduates may be eligible to sit for the National Radiation Therapy Exam, given by the American Registry of Radiologic Technologists. Employment opportunities can be found in hospitals and freestanding cancer centers. The following colleges are approved to offer this program:

Forsyth Technical Community College   Pitt Community College

*Radiography (A45700)

The Radiography curriculum prepares the graduate to be a radiographer, a skilled health care professional who uses radiation to produce images of the human body.

Course work includes clinical rotations to area health care facilities, radiographic exposure, image processing, radiographic procedures, physics, pathology, patient care and management, radiation protection, quality assurance, anatomy and physiology, and radiobiology.

Graduates of accredited programs are eligible to apply to take the American Registry of Radiologic Technologists' national examination for certification and registration as medical radiographers. Graduates may be employed in hospitals, clinics, physicians' offices, medical laboratories, government agencies, and industry. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College	Lenoir Community College
Caldwell Community College and Technical Institute	Pitt Community College
Cape Fear Community College	Randolph Community College
Carteret Community College	Robeson Community College
Catawba Valley Community College	Rowan-Cabarrus Community College
Cleveland Community College	Sandhills Community College
Edgecombe Community College	Southwestern Community College
Fayetteville Technical Community College	Stanly Community College
Forsyth Technical Community College	Vance-Granville Community College
Guilford Technical Community College	Wake Technical Community College
Johnston Community College	Wilkes Community College

*Recreational Therapy Assistant (A45150)

The recreational therapy assistant curriculum prepares individuals to plan, implement, and document therapeutic recreation interventions, according to national standards of practice. The curriculum emphasizes the use of recreation as treatment designed to (re)habilitate a client's level of functioning and independence.

Course work includes facilitating adaptive, inclusive and universal activities (ropes courses, creative arts, water sports, etc) and leading or co-leading recreational therapy sessions (social skills, team building, problem solving, leisure education etc.) for people with disabilities and their families.

Graduates should qualify for a LRTA license from the North Carolina Board for Recreational Therapy Licensure. Employment opportunities include group homes, retirement facilities, agencies serving people with developmental disabilities, psychiatric or mental health agencies, and other rehabilitation facilities. The following college is approved to offer this program:

Pitt Community College
Western Piedmont Community College

*Respiratory Therapy (A45720)

The Respiratory Therapy curriculum prepares individuals to function as respiratory therapists. In these roles, individuals perform diagnostic testing, treatments, and management of patients with heart and lung diseases.

Students will master skills in patient assessment and treatment of cardiopulmonary diseases. These skills include life support, monitoring, drug administration, and treatment of patients of all ages in a variety of settings.

Graduates of accredited programs may be eligible to take entry-level examinations from the National Board of Respiratory Care. Therapy graduates may also take the Advanced Practitioner examination. Graduates may be employed in hospitals, clinics, nursing homes, education, industry, and home care. The following colleges are approved to offer this program:

Carteret Community College	Pitt Community College
Catawba Valley Community College	Robeson Community College
Central Piedmont Community College	Rockingham Community College
Durham Technical Community College	Sandhills Community College
Edgecombe Community College	Southwestern Community College
Fayetteville Technical Community College	Stanly Community College
Forsyth Technical Community College	Wilkes Community College

*Speech-Language Pathology Assistant (A45730)

The Speech-Language Pathology Assistant curriculum prepares graduates to work under the supervision of a licensed Speech-Language Pathologist, who evaluates, diagnoses, and treats individuals with various communication disorders.

Courses provide instruction in methods of screening for speech, language, and hearing disorders and in following written protocols designed to remediate individual communication problems. Supervised field experiences include working with patients of various ages and with various disorders.

Graduates may be eligible for registration with the North Carolina Board of Examiners for Speech-Language Pathologists and Audiologists and must be supervised by a licensed Speech-Language Pathologist. They may be employed in healthcare or education settings. The following colleges are approved to offer this program:

Caldwell Community College and Technical Institute
   awards the credential in collaboration with:
      Mitchell Community College

Fayetteville Technical Community College
   awards the credential in collaboration with:
      Bladen Community College
      Brunswick Community College
      Central Carolina Community College
      James Sprunt Community College
Forsyth Technical Community College
   awards the credential in collaboration with:
      Surry Community College

*Surgical Technology (A45740)

The Surgical Technology curriculum prepares individuals to assist in the care of the surgical patient in the operating room and to function as a member of the surgical team.

Students will apply theoretical knowledge to the care of patients undergoing surgery and develop skills necessary to prepare supplies, equipment, and instruments; maintain aseptic conditions; prepare patients for surgery; and assist surgeons during operations.

Employment opportunities include labor/delivery/emergency departments, inpatient/outpatient surgery centers, dialysis units/facilities, physicians' offices, and central supply processing units.

Students of Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredited programs are required to take the national certification exam administered by the National Board on Certification in Surgical Technology and Surgical Assisting (NBSTSA) within a four week period prior to or after graduation. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College	Fayetteville Technical Community College
Blue Ridge Community College	Guilford Technical Community College
Cape Fear Community College	Isothermal Community College (Diploma)
Catawba Valley Community College	Lenoir Community College
Central Piedmont Community College	McDowell Technical Community College (Diploma)
Cleveland Community College	Robeson Community College (Diploma)
Coastal Carolina Community College	Rockingham Community College
College of The Albemarle	Sandhills Community College
Davidson County Community College	Wake Technical Community College
Durham Technical Community College	Wilson Community College
Edgecombe Community College	

*Therapeutic Massage (A45750)

The Therapeutic Massage curriculum prepares graduates to work in direct client care settings to provide manipulation, methodical pressure, friction and kneading of the body for maintaining wellness or treating alterations in wellness throughout the lifespan.

Courses will include content in normal human anatomy and physiology, therapeutic massage, ethical/legal issues, business practices, nutrition and psychology.

Employment opportunities include hospitals/rehabilitation centers, health departments, home health, medical offices, nursing homes, spas/health/sports clubs, and private practice. Graduates may be eligible to take the Massage and Bodywork Licensing Exam.

The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College	Pitt Community College
Carteret Community College	Rowan-Cabarrus Community College
Davidson County Community College	Sandhills Community College
Fayetteville Technical Community College	South Piedmont Community College
Forsyth Technical Community College	Southeastern Community College
Gaston College	Southwestern Community College
Johnston Community College	Tri-County Community College
Lenoir Community College	Wake Technical Community College

*Veterinary Medical Technology (A45780)

The Veterinary Medical Technology curriculum prepares individuals to assist veterinarians in preparing animals, equipment, and medications for examination and surgery; collecting specimens; performing laboratory, radiographic, anesthetic, and dental procedures; assisting in surgery; and providing proper husbandry of animals and their environment.

Course work includes instruction in veterinary anatomy, nutrition, parasitology, pathology, physiology, radiology, terminology, zoology, office practices, laboratory techniques, dentistry, and small and large animal clinical practices. Students also take courses in English, humanities, psychology, mathematics, chemistry, and computer technology.

Graduates may be eligible to take state and national examinations administered by the North Carolina Veterinary Medical Board. Graduates may be employed in veterinary clinics; diagnostic, research, or pharmaceutical laboratories; zoos; academic institutions; or other areas associated with animal care. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Central Carolina Community College
Gaston College

Industrial Technologies

The Industrial Technologies programs are designed to prepare individuals to work in occupations related to the maintenance, repair, production, and use of equipment used in electronic, mechanical, or manufacturing fields. These occupations require skills that range from the use of hand tools in maintaining or repairing equipment and machinery through the development and production of new products, tools and machines. This program area consists of the following curriculums:

Aerostructure Manufacturing and Repair (A50450)
Biomedical Equipment Technology (A50100)
Bioprocess Technology (A50440)
Computer-Aided Drafting Technology (A50150)
Computer-Integrated Machining (A50210)
Electric Utility Substation and Relay Technology (A50510)
Electrical Power Production Technology (A50130)
Environment, Health, and Safety Technology (A50160)
Facility Maintenance Technology (A50190)
Facility Maintenance Worker (Diploma) (D50170)
Furniture Production Technology (A50180)
Furniture Production Technology/Design and Product
        Development (A5018A)

Furniture Upholstery (Diploma) (D50220)
Industrial Management Technology (A50260)
Industrial Systems Technology (A50240)
Manufacturing Technology (A50320)
Mechanical Drafting Technology (A50340)
Nondestructive Examination Technology (A50350)
Nuclear Technology (A50460)
Pulp and Paper Technology (A50430)
Quality Assurance and Continuous Improvement (A50550)
Telecommunications Installation and Maintenance
    (Diploma) (D50380)
Welding Technology (A50420)

*Aerostructure Manufacturing and Repair (A50450)

The Aerostructure Manufacturing and Repair Technology curriculum prepares individuals to assemble, fabricate, inspect, manufacture, repair, test and manage the construction of aerostructures in an industrial setting.

Coursework includes materials, production procedures, planning, costing, plant layout, software, quality control, aviation standards and aerostructure assemblies. Emphasis will be placed on aerostructure construction techniques, manufacturing processes, composite manufacturing and repair, and computer numerical control (CNC) machining processes.

Graduates should qualify for employment in aerostructure manufacturing and other similar industries as project assembly and repair technicians, quality testers and inspectors, tooling technicians, composite specialists, fabricators, CNC machinists, project managers and computer-aided design (CAD) technicians. The following college is approved to offer this program:

Guilford Technical Community College
Lenoir Community College

*Biomedical Equipment Technology (A50100)

Engineering and Technology: Electrical Engineering Technology
Career Cluster: Science, Technology, Engineering, Mathematics

A course of study that prepares the students to use basic engineering principles and technical skills to install, operate, troubleshoot, and repair sophisticated devices and instrumentation used in the health care delivery system. Includes instruction in instrument calibration, design and installation testing, system safety and maintenance procedures, procurement and installation procedures, and report preparation. With an AAS degree and two years' experience, an individual should be able to become a certified Biomedical Equipment Technician. The following colleges are approved to offer this program:

Caldwell Community College and Technical Institute
 awards the credential in collaboration with:
     Gaston College
     Forsyth Technical Community College
Central Piedmont Community College
Durham Technical Community College
Stanly Community College

*Bioprocess Technology (A50440)

The Bioprocess Technology curriculum is designed to prepare individuals to work as Process Operators in biological products manufacturing facilities. Students will combine basic science and communication skills, manufacturing technologies, and good manufacturing practices in the course of the study.

Students will be expected to develop a strong basic science foundation with a sound understanding of the major technologies employed in the industry. They will also be expected to develop collaborative and disciplined work ethics while consistently practicing problem-solving skills.

Upon successful completion of the program, individuals should possess the necessary skills to qualify for employment in a variety of Bioprocessing industries. The following colleges are approved to offer this program:

Johnston Community College
Vance-Granville Community College

*Computer-Aided Drafting Technology (A50150)

Engineering and Technology: Drafting Technology
Career Cluster: Science, Technology, Engineering and Mathematics

A course of study that prepares the students to apply technical skills and advanced computer software and hardware to develop plans and related documentation, and manage the hardware and software of a CAD system. Includes instruction in architectural drafting, computer-assisted drafting and design (CADD), creating and managing two and three-dimensional models, linking CAD documents to other software applications, and operating systems. Graduates should qualify for CAD jobs in architectural and engineering consulting firms and industrial design businesses. The following college is approved to offer this program:

Asheville-Buncombe Technical Community College
Central Carolina Community College
College of The Albemarle
Craven Community College

*Computer-Integrated Machining (A50210)

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations. The following colleges are approved to offer this program:

Alamance Community College	Haywood Community College
Asheville-Buncombe Technical Community College	Isothermal Community College
Blue Ridge Community College	Johnston Community College
Cape Fear Community College	Lenoir Community College
Catawba Valley Community College	McDowell Technical Community College
Central Carolina Community College	Nash Community College
Central Piedmont Community College	Pitt Community College
Cleveland Community College	Randolph Community College
College of The Albemarle	Richmond Community College
Craven Community College	Rockingham Community College
Davidson County Community College	Rowan-Cabarrus Community College
Durham Community College	Stanly Community College (Diploma)
Fayetteville Technical Community College	Surry Community College
Forsyth Technical Community College	Tri-County Community College
Gaston College	Wake Technical Community College
Guilford Technical Community College	Wayne Community College
	Western Piedmont Community College

*Electric Utility Substation and Relay Technology (A50510)

The Electric Utility Substation and Relay Technology curriculum provides the skills to maintain high voltage equipment and protective systems for the electric utility transmission system. Training in operation and maintenance of critical infrastructure associated with the transmission grid is included.

Courses are designed to develop student understanding of maintenance and troubleshooting on transmission equipment, including three phase power theory, protective relaying, power transformers, voltage regulators, capacitors, and power circuit breakers common to electric utility and numerous other industries.

Graduates should qualify for entry-level employment in electric utility, renewable energy, and industrial facilities as technicians who diagnose and service equipment and components used for electrical power transmission. The following college is approved to offer this program:

Richmond Community College

*Electrical Power Production Technology (A50130)
The Electric Power Production Technology curriculum is designed to provide students with the skills and technical background required for entry-level employment in the operation of modern non-nuclear fueled power facilities.

Students will study major plant systems needed for the reliable operation of power plants, including but not limited to, boilers, combustion equipment, steam/gas turbines, generators, controls logic, fundamentals of operation, equipment maintenance, environmental control equipment, and associated governmental regulations.

Upon successful completion of this program, graduates should qualify for entry-level employment in the electric utility industry, industrial power facilities, and other power-production occupations. The following college is approved to offer this program:

Piedmont Community College

*Environment, Health, and Safety Technology (A50160)
The Environment, Health, and Safety Technology curriculum prepares students for employment in the fields of industrial hygiene, occupational safety, and environmental technology. The program is designed to provide students with a strong education in the practices and applicable regulations relevant to occupational and environmental safety.

Course work includes industrial hygiene, OSHA regulations, EPA regulations, environmental liability, and incident management.

Graduates should qualify for occupational safety or environmental safety technician positions in industrial, research, health care, and institutional facilities. Students may qualify to take the Associate Safety Professional or Certified Safety Professional examinations. The following college is approved to offer this program:

Durham Technical Community College

*Facility Maintenance Technology (A50190)

This curriculum prepares individuals to repair and maintain electrical and mechanical systems and physical structures of commercial and industrial institutions. Emphasis is on multi-disciplined systems maintenance, troubleshooting, and problem resolution.

Course work includes carpentry, interior and exterior finishes, plumbing, electrical, masonry, air conditioning, heating, welding, machining, blueprint reading, building codes, and OSHA regulations, as well as computer applications.

Graduates should qualify for positions as general building mechanics or maintenance technician. The following colleges are approved to offer this program:

Cleveland Community College   Southeastern Community College
Randolph Community College

Facility Maintenance Worker (Diploma) (D50170)
The Facility Maintenance Worker curriculum is designed to prepare students to maintain and repair physical structures and systems of commercial and industrial establishments such as hotels, hospitals, apartment complexes, and shopping centers.

Students will learn to use hand and power tools; replace defective electrical switches and fixtures; maintain performance of environmental control systems; repair plumbing fixtures, woodwork, plastic, and sheetrock; lay brick; finish small areas of concrete; and paint structures.
Upon completion of this curriculum, the graduate should possess the necessary skills to qualify for employment as a facility maintenance worker. The following colleges are approved to offer this program:

Edgecombe Community College

*Furniture Production Technology (A50180)

The Furniture Production Technology curriculum is designed to prepare individuals for technical or managerial work in the furniture industry.

Students will learn about materials, production procedures, time study, costing, plant layout, and the general operations of a plant. Emphasis will be placed on construction techniques, manufacturing processes, wood characteristics, CNC operations, CAD integration, costing, and plant engineering.

Employment opportunities for graduates include, but are not limited to, assistant sample builder, assistant plant engineer, assistant supervisor, assistant personnel manager, lead person, quality control technician, CNC programmer, and AutoCAD technicians. The following college is approved to offer this program:

Catawba Valley Community College

*Furniture Production Technology/Design and Product Development (A5018A)

Design and Product Development is a concentration under the curriculum title of Furniture Production Technology. This curriculum prepares the student to perform technical preparations for design and to complete documentation of various furniture constructions.

Course work includes manual and computer-aided (CAD) drafting, woodworking equipment and its capabilities, various construction techniques, design elements, showroom layouts, identifying various design styles, solving design problems for efficient manufacturing, and investigating new materials.

Graduates should qualify for employment opportunities such as product development technician or supervisor, drafter, design drafter, furniture detailer, assistant sample maker, and designer assistant. Students should be able to interpret verbal and written specifications on how to document manufacturing designs. The following college is approved to offer this program:

Catawba Valley Community College

Furniture Upholstery (Diploma) (D50220)

The Furniture Upholstery curriculum prepares the student to become a professional upholsterer. Students are taught the fundamentals and techniques of furniture upholstery work starting with wooden frames, pattern development, industrial cutting, and sewing skills. Production quality and speed will be emphasized.

Upon successful completion of the Furniture Upholstery program, the student will be able to develop patterns, lay out and cut cloth, and operate various sewing machines. Students will also perform spring-up procedures and do the inside and outside of upholstered furniture.

Graduates of the Furniture Upholstery program should qualify for positions as pattern makers, fabric cutters, upholstery sewers, spring-ups, upholsterers, or outsiders. The following colleges are approved to offer this program:

Guilford Technical Community College

*Industrial Management Technology (A50260)

Manufacturing Production and Process Development: Manufacturing and Industrial Engineering Technology
Career Cluster: Manufacturing

A course of study that prepares the students to use basic engineering principles and management skills to plan and manage operations of industrial and manufacturing processes. Includes instruction in financial management, industrial and human resources management, industrial psychology, management information systems, quality and productivity improvement, quality control, operations research, safety and health issues, and environmental program management. Graduates should be qualified to enter the workforce as front-line supervisor, engineering assistant, production planner, inventory supervisor, or as a quality control technician. With additional training and experience, graduates could become plant manager or production managers. The following colleges are approved to offer this program:

Cleveland Community College
Lenoir Community College

Pitt Community College

*Industrial Systems Technology (A50240)

Industrial Systems Technology
Career Cluster: Manufacturing

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

Students will learn multi-craft technical skills in print reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostic and repair procedures. Practical application in these industrial systems will be emphasized and additional advanced course work may be offered.

Upon completion of this curriculum, graduates should be able to individually, or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment. Students will also be encouraged to develop their skills as life-long learners. The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Bladen Community College
Cape Fear Community College
Catawba Valley Community College
Central Carolina Community College
Cleveland Community College
College of The Albemarle
Davidson County Community College
Durham Technical Community College
Edgecombe Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Halifax Community College
Haywood Community College
Isothermal Community College
Johnston Community College
Martin Community College
Mayland Community College

McDowell Technical Community College
Montgomery Community College
Nash Community College
Piedmont Community College
Pitt Community College
Randolph Community College
Richmond Community College
Roanoke-Chowan Community College
Robeson Community College
Rockingham Community College
Sampson Community College
Sandhills Community College
South Piedmont Community College
Stanly Community College
Surry Community College
Tri-County Community College
Vance-Granville Community College
Wayne Community College
Western Piedmont Community College
Wilkes Community College

*Manufacturing Technology (A50320)

Manufacturing Production and Process Development: Manufacturing and Industrial Engineering Technology
Career Cluster: Manufacturing

A course of study that prepares students to use basic engineering principles and technical skills to identify and resolve production problems in the manufacture of products. Includes instruction in machine operations and CNC principles, production line operations, instrumentation, computer-aided manufacturing (CAM) and other computerized production techniques, manufacturing planning, quality control, quality assurance and informational infrastructure. Graduates should qualify for employment as a manufacturing technician, quality assurance technician, CAD/CAM technician, team leader, or research and development technician. The following colleges are approved to offer this program:

Central Piedmont Community College
Craven Community College
Davidson County Community College
Edgecombe Community College
Gaston College

Guilford Technical Community College
Isothermal Community College
Nash Community College
Wayne Community College
Wilson Community College

*Mechanical Drafting Technology (A50340)

Engineering and Technology: Drafting Technology
Career Cluster: Science, Technology, Engineering and Mathematics

A course of study that prepares the students to apply technical skills and advanced computer software and hardware to create working drawings, graphic representations and computer simulations for mechanical and industrial designs. Includes instruction in engineering graphics, specification interpretation, geometric dimensioning and tolerancing, drafting calculations, two dimensional and three dimensional engineering design, solids modeling, engineering animation, computer-aided drafting (CAD), computer-aided design (CADD)and manufacturing materials and processes. Graduates should qualify for employment in mechanical areas such as manufacturing, fabrication, research and development, and service industries. The following colleges are approved to offer this program:

Alamance Community College
Cleveland Community College
Edgecombe Community College
Isothermal Community College

Rowan-Cabarrus Community College
Surry Community College
Wake Technical Community College

*Nondestructive Examination Technology (A50350)

Quality Assurance: Nondestructive Examination Technology
Career Cluster: Manufacturing

This course of study prepares the students to apply technical skills in nondestructive testing of materials and component parts for flaws or defects jeopardizing structural integrity. Course work includes ultrasonics, radiography, liquid penetrant, magnetic particle eddy current and visual testing methods. Applied math and physics are an integral part of NDE and the curriculum. The NDE curriculum meets the initial training requirements of ASNT's SNT-TC-1A, permitting graduates to obtain NDE certification after a few months of on-the-job experience. Career opportunities exist in applied NDE, material sciences, technical sales, and quality control in many industries. The following college is approved to offer this program:

Central Piedmont Community College
  awards the credential in collaboration with:
       Gaston College

*Nuclear Technology (A50460)

The Nuclear Technology curriculum prepares individuals to become qualified reactor field service technicians who conduct inspections and implement repairs and modifications to licensed nuclear facilities which have light water reactors that are shut down for refueling.

Course work includes theory and application related to industrial and engineering technology disciplines including nuclear reactor theory, boiling water reactor systems, quality control, industrial and nuclear safety, instrumentation, electrical generation, automation and robotics, welding, and various metallurgical inspection procedures.

Upon completion, graduates should qualify as entry-level nuclear reactor service technicians and have academic preparations to advance into other industrial or engineering technician positions within the commercial nuclear power industry. The following colleges are approved to offer this program:

Cape Fear Community College
Gaston College

*Pulp and Paper Technology (A50430)

This curriculum program is designed to prepare individuals for careers in pulp and paper manufacturing and related industries. Instruction includes operations, maintenance and business fundamentals needed to operate, maintain and trouble shoot pulp and paper equipment and processes.

Students should gain technical knowledge in stock preparation, sheet formation, sheet finishing, economics and regulatory issues, control and measuring devices, paper machines, pulping, woodyard operations, power generation, and chemical recovery. Practical application will be emphasized.

Upon completion of any level of this curriculum, graduates should gain the necessary skills and technical knowledge to qualify for employment or advancement in the pulp and paper industry.

No colleges are currently approved to offer this program.

*Quality Assurance and Continuous Improvement (A50550)

Manufacturing Production and Process Development: Manufacturing and Industrial Engineering Technology
Career Cluster: Manufacturing

A course of study that prepares the students to use basic engineering principles and technical skills in maintaining consistent manufacturing and construction standards. Includes instruction in quality control systems management principles, technical standards applicable to specific engineering and manufacturing projects, testing procedures, inspection procedures, related instrumentation and equipment operation and maintenance, and report preparation. Graduates should qualify for employment as quality control systems technicians and managers, quality control analysts, inspectors, testers, and compliance managers. Certification is available through organizations such as ASQC, SME and APICS.

No colleges are currently approved to offer this program.

Telecommunications Installation and Maintenance (Diploma) (D50380)

The Telecommunications Installation and Maintenance curriculum prepares individuals for jobs in the telecommunication industry. It provides fundamental training for new students and provides upgrade training for current employees of telecommunications companies.

Course work includes basic electricity, cable splicing, fiber optics, LAN-copper, cable fault location and repair, central office administration and other related topics. Emphasis is placed on hands-on installation and maintenance training.

A graduate will be prepared to work in the telecommunication industry in outside plant operations, on central office equipment, and business communications equipment. The following college is approved to offer this program:

Central Carolina Community College

*Welding Technology (A50420)

Production: Welding Technology
Career Cluster: Manufacturing

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment. The following colleges are approved to offer this program:

Alamance Community College	McDowell Technical Community College
Asheville-Buncombe Technical Community College	Mitchell Community College
Beaufort County Community College	Montgomery Community College
Bladen Community College	Nash Community College
Blue Ridge Community College	Pamlico Community College
Brunswick Community College	Piedmont Community College
Cape Fear Community College	Pitt Community College
Catawba Valley Community College	Randolph Community College
Central Carolina Community College	Richmond Community College
Central Piedmont Community College	Roanoke-Chowan Community College
Cleveland Community College	Robeson Community College
Coastal Carolina Community College	Rockingham Community College
College of The Albemarle	Rowan-Cabarrus Community College
Craven Community College	Sampson Community College
Davidson County Community College	South Piedmont Community College
Durham Technical Community College	Southeastern Community College
Fayetteville Technical Community College	Southwestern Community College
Forsyth Technical Community College	Stanly Community College (Diploma)
Gaston College	Surry Community College
Guilford Technical Community College	Tri-County Community College
Halifax Community College	Vance-Granville Community College
Haywood Community College	Wake Technical Community College
Isothermal Community College	Wayne Community College
James Sprunt Community College	Western Piedmont Community College
Johnston Community College	Wilkes Community College
Lenoir Community College	Wilson Community College
Mayland Community College	

Public Service Technologies

The Public Service Technologies programs are designed to train people for employment in the public and private sector in service-related careers. Some of these programs train persons for careers in local, state and federal governments, while other programs provide individuals with careers in providing services to individuals and groups to meet their personal interests, needs and welfare. This program area includes the following curriculums:

Animal Care and Management Technology
  (A55100)
Baking and Pastry Arts (A55130)
Barbering (D55110)
Basic Law Enforcement Training (Certificate) (C55120)
Community Spanish Interpreter (A55370)
Cosmetology (A55140)
Cosmetology Instructor (Certificate) (C55160)
Criminal Justice Technology (A55180)
Criminal Justice Technology/Financial Crime /Computer Fraud
  (A5518B)
Criminal Justice Technology/Latent Evidence
  (A5518A)
Culinary Arts (A55150)
Cyber Crime Technology (A55210)
Early Childhood Education (A55220)
Emergency Management (A55460)
Esthetics Instructor (Certificate) (C55270)

Esthetics Technology (C55230)
Fire Protection Technology (A55240)
Food Service Technology (Diploma) (D55250)
Funeral Service Education (A55260)
General Occupational Technology (A55280)
Infant/Toddler Care (Certificate) (C55290)
Interpreter Education (A55300)
Lateral Entry (Certificate) (C55430)
Library and Information Technology (A55310)
Manicuring Instructor (Certificate) (C55380)
Manicuring/Nail Technology (Certificate) (C55400)
Occupational Education Associate (A55320)
Outdoor Leadership (A55330)
Recreation and Leisure Studies (A55360)
Resort and Spa Management (A55410)
School-Age Care (Certificate) (C55450)
School Age Education (A55440)

*Animal Care and Management Technology (A55100)

Animal Systems: Animal Care Management Technology
Career Cluster: Agriculture, Food, and Natural Resources

The Animal Care and Management Technology curriculum is designed to provide students with the opportunity to acquire the skills, knowledge, and attitudes necessary for employment in the animal care industry.

Course work includes instruction designed to educate students in the basic sciences pertinent to animal work including legal aspects, basic management skills needed to work with both people and animals, and hands-on skills necessary for safety and health.

Graduates should qualify for opportunities with humane organizations, kennels, city and county animal control agencies, animal shelters, zoos, residency facilities, and veterinarians. The following college is approved to offer this program:

Alamance Community College

*Baking and Pastry Arts (A55130)

The Baking and Pastry Arts curriculum is designed to prepare students with the skills and knowledge required for employment in the baking/pastry industry including restaurants, hotels, independent bakeries/pastry shops, wholesale/retail markets, and high-volume bakeries.

Course offerings emphasizing practical application, a strong theoretical knowledge base, and professionalism provide the critical competencies to meet industry demands. Course work includes specialty/artisan breads, desserts, pastries, candies, decorative work, high-volume production and food marketing.

Graduates should qualify for entry-level positions, such as pastry/bakery assistant, area pastry chef and assistant pastry chef. American Culinary Federation certification is available to graduates. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Cape Fear Community College
Carteret Community College
Central Piedmont Community College
Robeson Community College

Sandhills Community College
South Piedmont Community College
Wake Technical Community College
Wilkes Community College

Barbering (Diploma) (D55110)

The Barbering Curriculum is designed to provide competency-based knowledge, scientific/artistic principles and hands-on fundamentals associated with the barber industry. The curriculum also provides a simulated environment that enables students to develop manipulative skills.

Course work includes instruction in all phases of professional barbering, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge and other selected topics.

Graduates should qualify to sit for the State Board of Examiners. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in barbershops and related businesses. The following colleges are approved to offer this program:

Central Carolina Community College
Edgecombe Community College
Roanoke-Chowan Community College

Basic Law Enforcement Training (Certificate) (C55120)

Basic Law Enforcement Training (BLET) is designed to give students essential skills required for entry-level employment as law enforcement officers with state, county, or municipal governments, or with private enterprise.

This program utilizes State commission-mandated topics and methods of instruction. General subjects include, but are not limited to, criminal, juvenile, civil, traffic, and alcoholic beverage laws; investigative, patrol, custody, and court procedures; emergency responses; and ethics and community relations.

Students must successfully complete and pass all units of study which include the certification examination mandated by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriffs' Education and Training Standards Commission to receive a certificate. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College	Lenoir Community College
Beaufort County Community College	Mayland Community College
Bladen Community College	McDowell Technical Community College
Brunswick Community College	Mitchell Community College
Caldwell Community College and Technical Institute	Montgomery Community College
Cape Fear Community College	Nash Community College
Carteret Community College	Pitt Community College
Catawba Valley Community College	Randolph Community College
Central Carolina Community College	Robeson Community College
Central Piedmont Community College	Rockingham Community College
Cleveland Community College	Rowan-Cabarrus Community College
Coastal Carolina Community College	Sampson Community College
College of The Albemarle	Sandhills Community College
Craven Community College	South Piedmont Community College
Davidson County Community College	Southeastern Community College
Durham Technical Community College	Southwestern Community College
Fayetteville Technical Community College	Stanly Community College
Forsyth Technical Community College	Vance-Granville Community College
Gaston College	Wake Technical Community College
Guilford Technical Community College	Wayne Community College
Halifax Community College	Western Piedmont Community College
Isothermal Community College	Wilkes Community College
James Sprunt Community College	Wilson Community College
Johnston Community College	

*Community Spanish Interpreter (A55370)

The Community Spanish Interpreter curriculum prepares individuals to work as entry-level Spanish Interpreters who will provide communication access in interview and interactive settings. In addition, this curriculum provides educational training for working professionals who want to acquire Spanish language skills.

Course work includes the acquisition of Spanish: grammar, structure, and sociolinguistic properties, cognitive processes associated with interpretation between Spanish and English; the structure and character of the Hispanic community; and acquisition of communication skills.

Graduates should qualify for entry-level jobs as para-professional bilingual employees in educational systems or a variety of community settings. Individuals may choose from part-time, full-time, or self-employment/free-lance positions, or apply language skills to other human service related areas. The following colleges are approved to offer this program:

Alamance Community College	Durham Technical Community College
Beaufort County Community College	Johnston Community College
Blue Ridge Community College	Sampson Community College
Cape Fear Community College	Surry Community College
Cleveland Community College	Wilson Community College

*Cosmetology (A55140)

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses. The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Beaufort County Community College
Bladen Community College
Blue Ridge Community College
Brunswick Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Carteret Community College
Catawba Valley Community College *(contract)*
Central Carolina Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
College of The Albemarle
Craven Community College
Davidson County Community College
Edgecombe Community College
Fayetteville Technical Community College *(contract)*
Gaston College
Guilford Technical Community College
Halifax Community College
Haywood Community College
Isothermal Community College
James Sprunt Community College
Johnston Community College

Lenoir Community College
Martin Community College
Mayland Community College
McDowell Technical Community College
Mitchell Community College *(Diploma)*
Nash Community College
Pamlico Community College
Piedmont Community College
Pitt Community College *(contract)*
Randolph Community College
Roanoke Chowan Community College
Robeson Community College
Rockingham Community College
Rowan-Cabarrus Community College
Sampson Community College
Sandhills Community College
Southeastern Community College
Southwestern Community College
Stanly Community College
Surry Community College
Tri-County Community College
Vance-Granville Community College
Wake Technical Community College
Wilkes Community College
Wilson Community College *(contract)*

Cosmetology Instructor (Certificate) (C55160)

The Cosmetology Instructor curriculum provides a course of study for learning the skills needed to teach the theory and practice of cosmetology as required by the North Carolina Board of Cosmetic Arts.

Course work includes requirements for becoming an instructor, introduction to teaching theory, methods and aids, practice teaching, and development of evaluation instruments.

Graduates of the program may be employed as cosmetology instructors in public or private education and business. The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Beaufort County Community College
Bladen Community College
Blue Ridge Community College
Brunswick Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Carteret Community College
Central Carolina Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
College of the Albemarle
Edgecombe Community College
Fayetteville Technical Community College
Haywood Community College
Isothermal Community College

James Sprunt Community College
Johnston Community College
Lenoir Community College
Martin Community College
Mayland Community College
McDowell Technical Community College
Mitchell Community College
Piedmont Community College
Randolph Community College
Rowan-Cabarrus Community College
Sandhills Community College
Sampson Community College
Southeastern Community College
Southwestern Community College
Stanly Community College
Tri-County Community College
Vance-Granville Community College

*Criminal Justice Technology (A55180)

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.. The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Beaufort County Community College
Bladen Community College
   Awards the credential in collaboration with:
      Brunswick Community College
Blue Ridge Community College
Cape Fear Community College
Carteret Community College
Catawba Valley Community College
   awards the credential in collaboration with:
      Caldwell Community College and Technical Institute
Central Carolina Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
College of The Albemarle
Craven Community College
Davidson County Community College
Durham Technical Community College
Edgecombe Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Halifax Community College
Haywood Community College
Isothermal Community College
James Sprunt Community College
Johnston Community College

Lenoir Community College
Mayland Community College
Mitchell Community College
Montgomery Community College
Nash Community College
Pamlico Community College
Piedmont Community College
Pitt Community College
Randolph Community College
Richmond Community College
Roanoke-Chowan Community College
Robeson Community College
Rockingham Community College
Rowan-Cabarrus Community College
Sampson Community College
Sandhills Community College
South Piedmont Community College
Southeastern Community College
Southwestern Community College
Stanly Community College
Surry Community College
Tri-County Community College
Vance-Granville Community College
Wake Technical Community College
Wayne Community College
Western Piedmont Community College
   awards the credential in collaboration with:
      McDowell Technical Community College
Wilkes Community College
Wilson Community College

*Criminal Justice Technology/Financial Crime/Computer Fraud (A5518B)

Financial Crime/Computer Fraud is a concentration under the curriculum of Criminal Justice Technology. The curriculum is designed to prepare students for positions in the public or private sector in financial crime or computer fraud investigation.

Students will study financial criminal activity and computer investigative security procedures from a law enforcement perspective through forensic accounting and investigative computer courses.

Graduates should qualify for positions in either the public or private sector investigating fraud within financial institutions and/or computer crimes, including fraud, hacking, and identity theft. The following colleges are approved to offer this program:

Coastal Carolina Community College   Pitt Community College
Rockingham Community College

*Criminal Justice Technology/Latent Evidence (A5518A)

Latent Evidence is a concentration under the curriculum of Criminal Justice Technology. This curriculum is designed to provide knowledge of latent evidence systems and operations. Study will focus on local, state, and federal law enforcement, evidence processing and procedures.

Students will learn both theory and hands-on analysis of latent evidence. They will learn fingerprint classification, identification, and chemical development. Students will record, cast, and recognize footwear and tire-tracks; and process crime scenes. Issues and concepts of communications and the use of computers and computer assisted design programs in crime scene technology will be discussed.

Graduates should qualify for employment in a variety of criminal justice organizations especially in local, state, and federal law enforcement, and correctional agencies. The following colleges are approved to offer this program:

Blue Ridge Community College   Gaston College
Catawba Valley Community College   Johnston Community College
  awards the credential in collaboration with: Nash Community College
      Caldwell Community College   Southwestern Community College
Central Carolina Community College   Surry Community College
Coastal Carolina Community College   Wake Technical Community College
Fayetteville Technical Community College   Wayne Community College
Forsyth Technical Community College

*Culinary Arts (A55150)

This curriculum provides specific training required to prepare students to assume positions as trained culinary professionals in a variety of foodservice settings including full service restaurants, hotels, resorts, clubs, catering operations, contract foodservice and health care facilities.

Students will be provided theoretical knowledge/practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Courses include sanitation/safety, baking, garde manger, culinary fundamentals/production skills, nutrition, customer service, purchasing/cost control, and human resource management.

Graduates should qualify for entry-level opportunities including prep cook, line cook, and station chef. American Culinary Federation certification may be available to graduates. With experience, graduates may advance to positions including sous chef, pastry chef, executive chef, or foodservice manager. The following colleges are approved to offer this program:

Alamance Community College	Lenoir Community College
Asheville-Buncombe Technical Community College	Nash Community College
Caldwell Community College and Technical Institute	Robeson Community College
Cape Fear Community College	Sandhills Community College
Carteret Community College	South Piedmont Community College
Central Carolina Community College	Southwestern Community College
Central Piedmont Community College	Stanly Community College
Coastal Carolina Community College	Tri-County Community College
College of The Albemarle	Vance-Granville Community College
Fayetteville Technical Community College	Wake Technical Community College
Guilford Technical Community College	Wilkes Community College
James Sprunt Community College	Wilson Community College
Johnston Community College	

*Cyber Crime Technology (A55210)

This curriculum will prepare students to enter the field of computer crime investigations and private security. Students completing this curriculum will be capable of investigating computer crimes, properly seize and recover computer evidence and aid in the prosecution of cyber criminals.

Course work in this curriculum will include a division of work in the disciplines of criminal justice and computer information systems. Additionally, students will be required to take specific cyber crime classes.

Graduates should qualify to become computer crime investigators for local or state criminal justice agencies. Also these graduates should be competent to serve as computer security specialists or consultants with private business. The following colleges are approved to offer this program:

Edgecombe Community College
Forsyth Technical Community College
Guildford Technical Community College
South Piedmont Community College
Southwestern Community College
Stanly Community College

*Early Childhood Education (A55220)

The Early Childhood Education curriculum prepares individuals to work with children from infancy through middle childhood in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with parents and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

This curriculum is approved for offering at all of the 58 community colleges.

*Emergency Management (A55460)

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.

Caldwell Community College and Technical Institute
 awards the credential in collaboration with:
        Catawba Valley Community College
Coastal Carolina Community College
Durham Technical Community College
Fayetteville Technical Community College
Forsyth Technical Community College

Gaston College
Guilford Technical Community College
Nash Community College
Rockingham Community College
Rowan-Cabarrus Community College
Wayne Community College

Esthetics Instructor (C55270)

The Esthetics Instructor curriculum provides a course of study covering the skills needed to teach the theory and practices of esthetics as required by the North Carolina State Board of Cosmetology.

Course work includes all phases of esthetics theory laboratory instruction.

Graduates should be prepared to take the North Carolina Cosmetology State Board Esthetics Instructor Licensing Exam and upon passing be qualified for employment in a cosmetology or esthetics school.
The following colleges are approved to offer this program:

Alamance Community College	Johnston Community College
Blue Ridge Community College	Martin Community College
Central Carolina Community College	Mayland Community College
Cleveland Community College	McDowell Technical Community College
College of the Albemarle	Pamlico Community College
Edgecombe Community College	Sandhills Community College
Fayetteville Technical Community College	Stanly Community College
Isothermal Community College	Tri-County Community College

Esthetics Technology (Certificate) (C55230)

The Esthetics Technology curriculum provides competency-based knowledge, scientific/artistic principles and hands-on fundamentals associated with the art of skin care. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional Esthetics Technology, business/human relations, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing may be licensed and qualify for employment in beauty and cosmetic/skin care salons, as a platform artist, and in related businesses.
The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College	Isothermal Community College
Blue Ridge Community College	Martin Community College
Cape Fear Community College	Mayland Community College
Carteret Community College	McDowell Technical Community College
Central Carolina Community College	Mitchell Community College
Cleveland Community College	Pamlico Community College
College of The Albemarle	Rowan-Cabarrus Community College
Craven Community College	Sandhills Community College
Davidson County Community College	Stanly Community College
Edgecombe Community College	Tri-County Community College
Fayetteville Technical Community College	Wake Technical Community College
Gaston College	

*Fire Protection Technology (A55240)

The Fire Protection Technology curriculum is designed to provide individuals with technical and professional knowledge to make decisions regarding fire protection for both public and private sectors. It also provides a sound foundation for continuous higher learning in fire protection, administration, and management.

Course work includes classroom and laboratory exercises to introduce the student to various aspects of fire protection. Students will learn technical and administrative skills such as hydraulics, hazardous materials, arson investigation, fire protection safety, fire suppression management, law, and codes.

Graduates should qualify for employment or advancement in governmental agencies, industrial firms, insurance rating organizations, educational organizations, and municipal fire departments. Employed persons should have opportunities for skilled and supervisory-level positions within their current organizations. The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Blue Ridge Community College
Cape Fear Community College
Catawba Valley Community College
Central Piedmont Community College
   awards the credential in collaboration with:
      South Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
Davidson County Community College

Durham Technical Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Johnston Community College
Mitchell Community College
Rockingham Community College
Rowan-Cabarrus Community College
Wilson Community College
Wake Technical Community College

Food Service Technology (Diploma) (D55250)

This curriculum is designed to introduce students to the foodservice industry and prepare them for entry-level positions in industrial, institutional or commercial production foodservice operations.

Courses include sanitation, basic and intermediate foodservice production skills, baking, menus, purchasing and basic cost control.

Graduates should qualify for employment as line cooks, prep cooks, or bakers in production foodservice settings or entry-level kitchen management in an institutional foodservice setting. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Carteret Community College

Nash Community College

*Funeral Service Education (A55260)

The Funeral Service Education curriculum provides students with the opportunity to become proficient in basic funeral service skills.

In addition to the general education courses offered in the curriculum, technical courses such as human anatomy, embalming theory and practice, embalming chemistry, restorative arts, funeral law, and funeral home operations are taught.

Graduates of the curriculum, upon passing the state or national exam and completing an internship in a funeral home, will be qualified for employment as embalmers and/or funeral directors. The following college is approved to offer this program:

Fayetteville Technical Community College
   awards the credential in collaboration with the following colleges:
      Brunswick Community College
      Catawba Valley Community College
      Edgecombe Community College
      Randolph Community College

*General Occupational Technology (A55280)

The General Occupational Technology curriculum provides individuals with an opportunity to upgrade their skills and to earn an associate degree by taking courses suited for their occupational interests and/or needs.

The curriculum content will be individualized for students according to their occupational interests and needs. A program of study for each student will be selected from associate degree-level courses offered by the college.

Graduates will become more effective workers, be better qualified for advancements within their fields of employment, and become qualified for a wide range of entry-level employment opportunities. The following colleges are approved to offer this program:

Alamance Community College	Martin Community College
Asheville-Buncombe Technical Community College	Mayland Community College
Beaufort County Community College	McDowell Technical Community College
Bladen Community College	Mitchell Community College
Blue Ridge Community College	Montgomery Community College
Brunswick Community College	Nash Community College
Carteret Community College	Pamlico Community College
Catawba Valley Community College	Piedmont Community College
Central Carolina Community College	Pitt Community College
Central Piedmont Community College	Randolph Community College
Cleveland Community College	Robeson Community College
College of the Albemarle	Rockingham Community College
Davidson County Community College	Sampson Community College
Durham Technical Community College	Sandhills Community College
Edgecombe Community College	South Piedmont Community College
Fayetteville Technical Community College	Southwestern Community College
Forsyth Technical Community College	Stanly Community College
Gaston College	Surry Community College
Guilford Technical Community College	Tri-County Community College
Haywood Community College	Wake Technical Community College
Isothermal Community College	Wayne Community College
James Sprunt Community College	Western Piedmont Community College
Johnston Community College	Wilson Community College
Lenoir Community College	

Infant/Toddler Care (Certificate) (C55290)

The curriculum prepares individuals to work with children from infancy to three years of age in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with young children under the supervision of qualified teachers.

Course work includes infant/toddler growth and development: physical/nutritional needs of infants and toddlers; safety issues in the care of infants and toddlers; care and guidance; communication skills with parents and children; design an implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate infant/toddler programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Early Head Start Programs, and other infant/toddler programs. The following colleges are approved to offer this program:

Alamance Community College	Johnston Community College
Asheville-Buncombe Technical Community College	Lenoir Community College
Bladen Community College	Mitchell Community College
Blue Ridge Community College	Montgomery Community College
Brunswick Community College	Piedmont Community College
Catawba Valley Community College	Randolph Community College
Central Piedmont Community College	Richmond Community College
Cleveland Community College	Rockingham Community College
Central Carolina Community College	Rowan-Cabarrus Community College
Coastal Carolina Community College	South Piedmont Community College
College of the Albemarle	Southwestern Community College
Craven Community College	Stanly Community College
Davidson County Community College	Surry Community College
Durham Technical Community College	Vance-Granville Community College
Fayetteville Community College	Wake Technical Community College
Gaston College	Wayne Community College
Haywood Community College	Western Piedmont Community College
Isothermal Community College	Wilkes Community College
James Sprunt Community College	Wilson Community College

*Interpreter Education (A55300)

The Interpreter Education curriculum prepares individuals to work as entry-level Sign Language Interpreters who will provide communication access in interview and interactive settings. In addition, this curriculum provides in-service training for working interpreters who want to upgrade their skills.

Course work includes the acquisition of American Sign Language (ASL); grammar, structure, and sociolinguistic properties; cognitive processes associated with interpretation between ASL and English; the structure and character of the deaf community; and acquisition of consecutive and simultaneous intrepreting skills.

Entry-level jobs for para-professional interpreters are available in educational systems or a variety of community settings. Individuals may choose from part-time, full-time, or self-employment/free lance positions or apply language skills to other human service related areas. The following colleges are approved to offer this program:

Blue Ridge Community College
  awards the credential in collaboration with:
       Fayetteville Technical Community College
       Wilkes Community College
Cape Fear Community College
Central Piedmont Community College
Western Piedmont Community College
Wilson Community College

Lateral Entry (Certificate) (C55430)

The Lateral Entry curriculum, developed for teachers who hold lateral entry license, provides a course of study leading to the development of the general pedagogy competencies needed to become certified to teach by the North Carolina Department of Public Instruction.

Course work includes human growth and development, learning theory, instructional technology, school policies and procedures, home, school, and community collaborations, and classroom organization and management to enhance learning. Courses offered by partnering senior institutions include instructional methods, literacy, and diversity.

Graduates should meet the general pedagogy competencies within the first three years of teaching, including a minimum of six semester hours per school year. Additional requirements, such as pre-service training and passing the PRAXIS, are required for licensure. The following colleges are approved to offer this program:

Central Piedmont Community College
Cleveland Community College
College of the Albemarle
Edgecombe Community College
Forsyth Technical Community College
Gaston College
Mitchell Community College

Montgomery Community College
Richmond Community College
Southeastern Community College
Stanly Community College
Vance-Granville Community College
Wake Technical Community College
Wilson Community College

*Library and Information Technology (A55310)

This curriculum is designed to prepare graduates for employment with organizations that use technology to process, manage, and communicate information. The objective is the development of generalists and specialist in the management of electronic library resources.

Students will complete courses designed to develop proficiency in the use of electronic resources for information retrieval, inventory control, information cataloging and classification, program promotion, circulation systems, audiovisual operations, hardware/software maintenance, problem solving and telecommunications.

Graduates should qualify for employment in a variety of positions in a library, media, learning resources, information, or instructional materials center or in any organization engaged in library-related activities. The following college is approved to offer this program:

Central Carolina Community College

Manicuring Instructor (Certificate) (C55380)

The Manicuring Instructor curriculum provides a course of study covering the skills needed to teach the theory and practices of manicuring as required by the North Carolina State Board of Cosmetology.

Course work includes all phases of manicuring theory laboratory instruction.

Graduates should be prepared to take the North Carolina Cosmetology State Board Manicuring Instructor Licensing Exam and upon passing be qualified for employment in a cosmetology or manicuring school. The following colleges are approved to offer this program:

College of the Albemarle
Edgecombe Community College
Isothermal Community College
Martin Community College
Mayland Community College

McDowell Technical Community College
Sampson Community College
Southwestern Community College
Stanly Community College

Manicuring/Nail Technology (Certificate) (C55400)

The Manicuring/Nail Technology curriculum provides competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the nail technology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional nail technology, business/computer principles, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and nail salons, as a platform artist, and in related businesses. The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Beaufort County Community College
Blue Ridge Community College
Carteret Community College
Cleveland Community College
Coastal Carolina Community College
Edgecombe Community College
Fayetteville Technical Community College
Haywood Community College
Isothermal Community College
Martin Community College
Mayland Community College
McDowell Technical Community College

Mitchell Community College
Pamlico Community College
Randolph Community College
Robeson Community College
Rowan-Cabarrus Community College
Sampson Community College
Sandhills Community College
Southeastern Community College
Southwestern Community College
Stanly Community College
Tri-County Community College
Vance-Granville Community College System
Wilkes Community College

*Occupational Education Associate (A55320)

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. The following colleges are approved to offer this program:

Guilford Technical Community College   Lenoir Community College
Isothermal Community College   Southwestern Community College

*Outdoor Leadership (A55330)

Education/Training: Outdoor Leadership
Career Cluster: Education and Training

This curriculum is designed to prepare individuals to be successful professionals in outdoor adventure, education and leadership.

Course work includes technical training in the areas such as backpacking, canoeing, kayaking, and rock-climbing. These skills are taught through facilitation and experiential learning methodologies. This course of study includes interpersonal skills and leadership skills such as group process, conflict resolution, program planning, and management issues.

Graduates from this program will have a sound background in outdoor leadership blended with a solid foundation of general education, business, and computer skills. Graduates are prepared for employment in the adventure tourism industry, therapeutic wilderness programs, specialized adventure/leadership programs, adventure programs for youth, challenge course industry, city, county, and state outdoor programs, public and private outdoor education centers, and private and public school outdoor programs. The following college is approved to offer this program:

Southwestern Community College

*Recreation and Leisure Studies (A55360)

The Recreation and Leisure Studies curriculum prepares individuals to plan, direct, and implement recreation activities in diverse environments for all age groups. The program is designed to meet the needs of students interested in the private, public, commercial, or therapeutic environment.

Course work includes introductory courses concerning history, terminology, programming, and general information concerning the recreation profession. Students learn recreation programs and activities in the following areas: cultural arts, team sports, outdoor education, wellness, individual activities, and adapted activities.

Upon completion, graduates should qualify for a variety of assistant-level positions at recreation centers, schools, hospitals, nursing facilities, parks, and commercial recreation establishments. They will be an asset in designing and implementing recreation programs and activities. The following colleges are approved to offer this program:

Davidson County Community College

*Resort and Spa Management (A55410)

The Resort and Spa Management curriculum prepares individuals with the skills and knowledge required for employment in the Resort and Spa Industry including day spas, beach resorts, mountain resorts, golf resorts, extended stay spas and cruise lines.

Course work includes physical fitness management, nutrition, spa cuisine, hospitality law, spa equipment and management, club and resort management, accounting and marketing. Courses emphasizing practical application, a strong theoretical base, and professionalism provide the critical competencies to meet industry demands.

Upon completion, graduates should qualify for entry or mid-level management positions in the Resort and Spa Industry including member/guest services directors, spa assistant directors, spa managers, spa attendant supervisors, spa sales managers, and assistant clubhouse managers. The following colleges are approved to offer this program:

Sandhills Community College

School-Age Care (Certificate) (C55450)

This curriculum prepares individuals to work with school-age children in diverse learning environments. The curriculum is specifically designed for students planning to work in public or private school-age care environments.

Course work includes child growth/development; physical/nutritional needs of school-age children; care and guidance of school-age children; and communication skills with parents and children.   Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of school-age populations.

Graduates are prepared to plan and implement developmentally appropriate activities in school-age environments. Employment opportunities include school-age teaching or school-age administration positions in child care/development programs, group leaders, before and after school programs, recreational centers and other programs that work with school-age populations. The following colleges are approved to offer this program:

Blue Ridge Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
Gaston College
Johnston Community College

Montgomery Community College
Stanly Community College
Vance-Granville Community College
Western Piedmont Community College
Wilson Community College

School Age Education (A55440)

This curriculum prepares individuals to work with children in elementary through middle grades in diverse learning environments. Students will combine learned theories with practice in actual settings with school-age children under the supervision of qualified teachers.

Course work includes child growth/development; computer technology in education; physical/nutritional needs of school-age children; care and guidance of school-age children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of school-age populations.

Graduates are prepared to plan and implement developmentally appropriate programs in school-aged environments. Employment opportunities include school-age teachers in child care programs, before/after-school programs, paraprofessional positions in public/ private schools, recreational centers, and other programs that work with school-age populations. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College	James Sprunt Community College
Beaufort County Community College	Johnston Community College
Bladen Community College	Martin Community College
Blue Ridge Community College	McDowell Technical Community College
Catawba Valley Community College	Mitchell Community College
Central Carolina Community College	Richmond Community College
Cleveland Community College	Rowan-Cabarrus Community College
College of The Albemarle	Sampson Community College
Davidson County Community College	South Piedmont Community College
Durham Technical Community College	Southwestern Community College
Edgecombe Community College	Stanly Community College
Fayetteville Technical Community College	Tri-County Community College
Forsyth Technical Community College	Vance-Granville Community College
Haywood Community College	Wayne Community College
Isothermal Community College	Wilson Community College

Transport Systems Technologies

The Transport Systems Technologies programs prepare individuals for job opportunities as technicians in a variety of automotive, aviation and marine fields. The curriculums will include the fundamentals of oral and written communications, mathematics, physics, and computer skills. In some curriculums, graduates will acquire the skills to service brakes, electrical/electronic systems, engine performance, steering/suspension, automatic transmission/transaxles, engine repair, climate control, and manual drive trains; to perform hands-on repairs in the areas of non-structural and structural repairs, MIG welding, plastics and adhesives, and refinishing; and to service, troubleshoot, and repair medium and heavy duty vehicles. In one curriculum, graduates will acquire the skills to drive tractor trailer rigs.

In some curriculums, graduates will acquire the skills needed to understand the fundamentals of flight, aerodynamics, aircraft performance, meteorology, navigation, federal regulations, aviation management, and instrument and commercial ground training; and the troubleshooting and repair procedures of airframe and power plant systems. In some curriculums, graduates acquire the skills to service, troubleshoot, and repair motorcycles, marine engines, and small engine-powered equipment. The curriculums in this program area include:

Agricultural Systems Technology (A60410)
Alternative Transportation Technology (Diploma) (D60420)
Automotive Customizing Technology (A60190)
Automotive Light-Duty Diesel Technology (Diploma) (D60430)
Automotive Management (A60320)
Automotive Restoration Technology (Diploma) (D60140)
Automotive Systems Technology (A60160)
Aviation Electronics (Avionics) Technology (A60150)
Aviation Management and Career Pilot Technology (A60180)
Aviation Systems Technology (A60200)
Boat Manufacture and Service (Diploma) (D60330)
Collision Repair and Refinishing Technology (A60130)

Construction Equipment Systems Technology (A60450)
Diesel and Heavy Equipment Technology (A60460)
Marine Propulsion Systems (Diploma) (D60220)
Motorcycle Mechanics (Diploma) (D60260)
Motorsports Management Technology (A60270)
Race Car Technology (A60400)
Recreational Vehicle Maintenance and Repair Technology (D60310)
Small Engine and Equipment Repair (Diploma) (D60280)
Truck Driver Training (Certificate) (C60300)

*Agricultural Systems Technology (A60410)

Mobile Equipment Maintenance and Repair
Career Cluster: Transportation, Distribution and Logistics

A program that prepares individuals to maintain and repair specialized farm, ranch, and agribusiness power equipment and vehicles. Includes instruction in the principles of diesel, combustion, electrical, steam, hydraulic, and mechanical systems and their application to the maintenance of terrestrial and airborne crop-spraying equipment; tractors and hauling equipment; planting and harvesting equipment; cutting equipment; power sources and systems for silos; irrigation and pumping equipment; dairy, feeding, and shearing operations; and processing systems. The following college is approved to offer this program:

Wake Technical Community College

*Alternative Transportation Technology (D60420)

Mobile Equipment Maintenance and Repair
Career Cluster: Transportation, Distribution and Logistics
A program that prepares individuals to apply technical knowledge and skills to the maintenance of alternative fuel vehicles (AFV), hybrid electric vehicles and the conversion of standard vehicles to AFV status. Includes instruction in electrical vehicles, hybrid electric vehicles, liquefied petroleum gas (LPG) vehicles, compressed natural gas (CNG) vehicles, hybrid fuel technology, electrical and electronic systems, engine performance, diagnosis and repair, and conversion/installation. The following college is approved to offer this program:

Blue Ridge Community College
Pitt Community College
Randolph Community College
Wilkes Community College
Wilson Community College

*Automotive Customizing Technology (A60190)

Mobile Equipment Maintenance and Repair
Career Cluster: Transportation, Distribution and Logistics

A program that prepares individuals to modify existing automotive vehicle components, fabrication techniques to create custom vehicle components, non-structural damage repair, custom painting and refinishing techniques, custom upholstery and glass removal/replacement/custom modifications, and other automotive technology related systems. The following college is approved to offer this program:

Lenoir Community College

*Automotive Light-Duty Diesel Technology (D60430)

Mobile Equipment Maintenance and Repair
Career Cluster: Transportation, Distribution and Logistics

A program that prepares individuals to apply technical knowledge and skills to diagnose, adjust, repair, or overhaul light duty diesel vehicles under one ton classification. Includes instruction in electrical systems, diesel-electric drive, engine performance, engine repair, emission systems, and all types of diesel engines related to the light duty diesel vehicle. Includes technicians working primarily with automobile diesel engines. The following college is approved to offer this program:

Blue Ridge Community College
Pitt Community College
Randolph Community College
Wilkes Community College
Wilson Community College

*Automotive Management (A60320)

The Automotive Management curriculum is designed to provide individuals with the principles and procedures involved in managing an automotive facility.

The course work includes processes and tasks required to manage an efficient automotive organization, history of and trends affecting the automotive industry, and compliance with government regulations.

Graduates of the curriculum should qualify for employment opportunities in various management positions within the automotive industry.

No colleges are currently approved to offer this program.

Automotive Restoration Technology (Diploma) (D60140)

Mobile Equipment Maintenance and Repair
Career Cluster: Transportation, Distribution and Logistics

A program that prepares individuals to apply technical knowledge and skills to repair, reconstruct, finish and restore automobile bodies, fenders, and external features of a wide range of classic vehicles typically from year models 1900 - 1970. Includes instruction in internal combustion engines, transmissions, brakes, restoring original sheet metal, upholstery, and wood components, rebuilding starters, generators, and painting and refinishing techniques. The following colleges are approved to offer this program:

Central Carolina Community College

*Automotive Systems Technology (A60160)

Mobile Equipment Maintenance and Repair
Career Cluster: Transportation, Distribution and Logistics

A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems. The following colleges are approved to offer this program:

Alamance Community College
Asheville-Buncombe Technical Community College
Beaufort County Community College
Blue Ridge Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Catawba Valley Community College
Central Carolina Community College
Central Piedmont Community College
Coastal Carolina Community College
Craven Community College
Davidson County Community College
Durham Technical Community College
Edgecombe Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Gaston College
Guilford Technical Community College
Halifax Community College
Haywood Community College

James Sprunt Community College
Lenoir Community College
Martin Community College
McDowell Technical Community College
Nash Community College
Pitt Community College
Randolph Community College
Rowan-Cabarrus Community College
Sandhills Community College
South Piedmont Community College
Southwestern Community College
Stanly Community College
Surry Community College
Tri-County Community College
Vance-Granville Community College
Wake Technical Community College
Wayne Community College
Wilkes Community College
Wilson Community College

*Aviation Electronics (Avionics) Technology (A60150)

This curriculum provides individuals with the basic knowledge and skills required to enter the avionics career field as a technician and prepares students for the current avionics licensing agency examination.

Course work includes general aviation maintenance, sheet metal, airframe systems, electrical and electronic systems, practical wiring, navigation equipment, flight management and flight control systems, flight line testing and troubleshooting, and Federal Aviation Administration (FAA) regulations.

Graduates should be prepared for the current avionics licensing agency examination and for entry-level employment as an avionics technician in an avionics repair station, an airfield fixed base operator's avionics facility, or an independent repair facility. The following college is approved to offer this program:

Guilford Technical Community College

*Aviation Management and Career Pilot Technology (A60180)

The Aviation Management and Career Pilot Technology curriculum prepares individuals for a variety of aviation and aviation-related careers including the commercial airlines, general aviation, the aerospace industry, the military, unmanned aircraft systems industries, and state and federal aviation organizations.

Course work includes fundamentals of flight, aerodynamics, aircraft performance, meteorology, navigation, federal regulations, aviation management, unmanned aircraft systems, and instrument and commercial ground training, flight and simulator training, and entrepreneurship or business management training.

Graduates may earn a commercial pilot certificate with an instrument rating, specialize in aviation management or in unmanned air systems, and may find employment as commercial, corporate, and military pilots, fixed base operators and airport managers, as pilots or technicians in the unmanned aircraft systems industry, or as flight instructors, and flight dispatchers. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Caldwell Community College and Technical Institute
Guilford Technical Community College
awards the credential in collaboration with
        Fayetteville Technical Community College
Lenoir Community College

*Aviation Systems Technology (A60200)

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. The following colleges are approved to offer this program:

College of The Albemarle
Craven Community College

Guilford Technical Community College
Wayne Community College

Boat Manufacture and Service (Diploma) (D60330)

The Boat Manufacture and Service Technology program prepares students for employment in the manufacture and service of boats. Students learn the basics of boat design and the implementation of those designs in various components and/or complete boats or yachts.

Course work includes reading and interpreting marine blueprints, manuals, and other documents common to the industry; lofting; constructing forms and mold-making; application of concepts and techniques in composite, fiberglass, and wood; interior finishing; and marine mechanical, electrical, and plumbing systems.

Graduates may find employment with boat/yacht manufacturers, service yards, dealerships doing commissioning work, and companies doing custom boat building. The following colleges are approved to offer this program:

Cape Fear Community College
Carteret Community College

*Collision Repair and Refinishing Technology (A60130)

Mobile Equipment Maintenance and Repair
Career Cluster: Transportation, Distribution and Logistics

A program that prepares individuals to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. Includes instruction in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, and damage analysis and estimating. The following colleges are approved to offer this program:

Blue Ridge Community College
Caldwell Community College and Technical Institute
Cape Fear Community College
Central Piedmont Community College
Cleveland Community College
Coastal Carolina Community College
Durham Technical Community College
Edgecombe Community College
Fayetteville Technical Community College
Forsyth Technical Community College
Guilford Technical Community College
Haywood Community College

Isothermal Community College
Mayland Community College
McDowell Technical Community College
Montgomery Community College
Randolph Community College
Sandhills Community College
Stanly Community College
Surry Community College
Wake Technical Community College
Wayne Community College
Wilkes Community College

*Construction Equipment Systems Technology (A60450)

Mobile Equipment Maintenance and Repair
Career Cluster: Transportation, Distribution and Logistics

A program that prepares individuals to apply technical knowledge and skills in the field maintenance and repair of construction equipment, and in the general maintenance and overhaul of such equipment. Includes instruction in inspection, maintenance, and repair of tracks, wheels, brakes, operating controls, pneumatic and hydraulic systems, electrical circuitry, engines and in techniques of welding and brazing. The following colleges are approved to offer this program:

Beaufort Community College
Wake Technical Community College

*Diesel and Heavy Equipment Technology (A60460)

Mobile Equipment Maintenance and Repair
Career Cluster: Transportation, Distribution and Logistics

A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as Heavy Duty Trucks over one ton classification, buses, ships, railroad locomotives, and equipment; as well as stationary diesel engines in electrical generators and related equipment. The following colleges are approved to offer this program:

Asheville-Buncombe Technical Community College
Beaufort County Community College
Cape Fear Community College
Central Piedmont Community College
Coastal Carolina Community College
Davidson County Community College

Forsyth Technical Community College
Guilford Technical Community College
James Sprunt Community College
Johnston Community College
Wake Technical Community College
Wilkes Community College

Marine Propulsion Systems (Diploma) (D60220)

The Marine Propulsion Systems curriculum is designed to provide training for mechanics through classroom instruction, laboratory experiments, and shop practices in the repair and maintenance of outboard motors, inboard engines, stern drives, and jet propulsion systems.

The course work includes the areas of outboards (introduction, midsection, and rigging), inboards (introduction, engine rebuilds, lower unit systems, transom assembly, and rigging), jet propulsion systems, and high-performance custom systems.

Graduates of the curriculum should qualify for employment opportunities as motorboat mechanics, motorboat mechanic helpers, motor board mechanics (inboard/outboard), and jet ski mechanics. Other employment can be found at marine boat sales and service firms, or they may establish their own service facility. The following colleges are approved to offer this program:

Carteret Community College

Motorcycle Mechanics (A60260)

Mobile Equipment Maintenance and Repair
Career Cluster: Transportation, Distribution and Logistics

A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain motorcycles and other similar powered vehicles. Includes instruction in lubrication and cooling systems, electrical and ignition systems, carburetion, fuel systems and adjustments of moving parts. The following colleges are approved to offer this program:

Central Carolina Community College
Davidson County Community College
Forsyth Technical Community College

*Motorsports Management Technology (A60270)

The Motorsports Management Technology curriculum is designed to provide students with the knowledge and skills necessary to perform mid-management level functions in motorsports- related companies.

Course work includes instruction in general studies, motorsports fundamentals, principles of management, computer applications, accounting, business mathematics, marketing, advertising and sales promotion, and human relations.

Graduates should qualify for employment/advancement in jobs related to management of motorsports teams/events/activities, as well as production and distribution of motorsports products and services. The following college is approved to offer this program:

Rowan-Cabarrus Community College

Race Car Technology (A60400)

The Race Car Technology curriculum is designed to educate students in the art of building and maintaining all aspects of a racing car or truck. Students will also be able to demonstrate blueprint reading and perform basic welding skills.

Course work includes racing engine assembly, racing engine preparation, chassis fabrication, sheet metal fabrication, blueprint reading, welding, race car set-up, record keeping of race car technology, and other related topics. Students will develop skills through classroom and shop/lab activities.

Graduates should qualify for employment as an entry-level engine preparation specialist, engine assembly specialist, chassis fabricator and welder, chassis set-up technician, interior sheet metal fabricator, and general race car preparation technician. The following college is approved to offer this program:

Forsyth Technical Community College

Recreational Vehicle Maintenance and Repair Technology (Diploma) (D60310)

Mobile Equipment Maintenance and Repair
Career Cluster: Transportation, Distribution and Logistics

A program that prepares individuals to apply technical knowledge and skills to build, test, inspect, repair, service and maintain recreational vehicles, systems, and interior and exterior components. Includes instruction in brake, hydraulic, and towing systems; electrical systems; propane systems and propane and electric appliances; carpentry; plumbing; welding; and structural frames. The following college is approved to offer this program:

Forsyth Technical Community College

Small Engine and Equipment Repair (Diploma) (D60280)

The Small Engine and Equipment Repair curriculum is designed to prepare individuals with the knowledge and skills needed to service, troubleshoot, and repair small engine-powered equipment. Shop experience is used to provide the skills to service, repair, or rebuild small engines.

Students will be able to disassemble, repair, reassemble, and test small engines and equipment, to include the carburetor, electrical, transmissions, transaxels, and belt/pulley/chain drive systems. The course work includes safety practices, wiring diagrams, mechanical schematics, and the use of technical manuals.

Graduates should qualify for employment as small engine mechanics at small engine service and repair or rental shops, outdoor power equipment dealers, recreational vehicles dealers, and landscaping and grounds maintenance service centers. Other employment may be available in the agriculture and construction industry. The following college is approved to offer this program:

Mayland Community College

Truck Driver Training (Certificate) (C60300)

The Truck Driver Training curriculum prepares individuals to drive tractor trailers rigs. This program teaches proper driving procedures, safe driver responsibility, commercial motor vehicle laws and regulations, and the basic principles and practices for operating commercial vehicles.

The course work includes motor vehicle laws and regulations, map reading, vehicle maintenance, safety procedures, daily logs, defensive driving, freight handling, security, and fire protection. Highway driving, training range exercises, and classroom lectures are used to develop the student's knowledge and skills.

Graduates of the curriculum are qualified to take the Commercial Driver's License exam and are employable by commercial trucking firms. They may also become owners/operators and work as private contract haulers. The following colleges are approved to offer this program:

Caldwell Community College and Technical Institute
Cape Fear Community College
Catawba Valley Community College
Central Piedmont Community College
Davidson County Community College
Johnston Community College

SECTION 4
CURRICULUM APPROVALS BY COLLEGE
As of August 16, 2012

This section of this publication is devoted to the curriculum offerings of each college. These programs are those currently approved for offering. ***This list is not a guarantee of an offering and is subject to change as the needs change.*** If further information is desired concerning a particular program or college, please contact the college directly. The addresses and telephone numbers of each college are included at the end of this section of the *Education Guide Catalog*. Also, please visit the World Wide Web site of the North Carolina Community College System at http://www.ncccs.cc.nc.us. This site provides a site link to each community college and provides additional information about the entire North Carolina Community College System.

Collaborative Programs
Collaborative programs typically involve two or more colleges that have an agreement to share resources in order to offer a curriculum. This agreement may affect where some courses are taught or where the credential is awarded. Please contact the college for details.

Accreditation
All of the 58 colleges in the North Carolina Community College System are accredited by the Southern Association of Colleges and Schools (SACS). In addition, specific programs may be accredited or approved by the following associational, state and federal institutions:

AAMA	American Association of Medical Assistants	JRC-NMT	Joint Review Committee on Educational Programs in Nuclear Medicine
AARC	American Association for Respiratory Care		
AART	American Association of Radiologic Technology	JRC-DMS	Joint Review Committee on Education in Diagnostic Medical Sonography
ABA	American Bar Association	JRCRTE	Joint Review Committee for Respiratory Therapy Education
ABFSE	American Board of Funeral Service Education	NAACLS	National Accrediting Agency for Clinical Laboratory Sciences
ABRET	American Board of Registration of EEG and EP Technologists	NATEF	National Automotive Technicians Education Foundation
ADA	American Dental Association		
AHIMA	American Health Information Management Association	NAWTA	North American Wildlife Technology Association
AIB	American Institute of Banking	NCBE	North Carolina State Board of Embalmers
AMA	American Medical Association	NCBOESLPA	North Carolina Board of Examiners for Speech-Language Pathologists and Audiologists
AOTA	American Occupational Therapy Association		
APTA	American Physical Therapy Association		
ARC-ST	Accreditation Review Committee on Education for Surgical Technology	NCBON	North Carolina Board of Nursing
		NCDOJ	North Carolina Department of Justice, Criminal Justice Standards Division
ASC	American Society of Cytology		
ASE	Automotive Service Excellence		North Carolina Substance Abuse Certification Board
ASHP	American Society of Hospital Pharmacies		
AST	Association of Surgical Technologists	NCOEMS	North Carolina Office of Emergency Medical Services
BONET	Board of Nephrology Examiners, Nurses and Technologists	NCREC	North Carolina Real Estate Commission
CAAHEP	Commission on Accreditation of Allied Health Education Programs	NCRELB	North Carolina Real Estate Licensing Board
		NCSBCA	North Carolina State Board of Cosmetic Arts
COA	Commission on Opticianry Accreditation	NCSBMS	North Carolina State Board of Mortuary Science
CVTEA	Committee on Veterinary Technician Education and Activities		
		NLN	National League for Nursing
FAA	Federal Aviation Administration	SACS	Southern Association of Colleges and Schools
JRC-EMT-P	Joint Review Committee on Educational Programs for the EMT-Paramedic	SOHSE	Southern Organization of Human Service Educators
JRCERT	Joint Review Committee on Education in Radiologic Technology	SAF	Society of American Foresters
		TAC/ABET	Technology Accreditation Commission/ Accreditation Board for Engineering and Technology
JRC-CVT	Joint Review Committee on Education in Cardiovascular Technology		

Alamance Community College

http://www.alamancecc.edu/
P.O. Box 8000, Graham, North Carolina 27253-8000
Telephone Number: (336) 578-2002
Fax Number: (336) 578-1987

General Education:
   Associate in General Education (A10300)
College Transfer:
   Associate in Arts (A10100)
   Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
   Horticulture Technology (A15240)

Biological and Chemical Technologies
   Biotechnology (A20100)

Business Technologies
   Accounting (A25100)
   Business Administration (A25120)
   Computer Information Technology (A25260)
   Medical Office Administration (A25310)
   Networking Technology (A25340)
   Office Administration (A25370)
   Office Administration/Legal (A2537A)
   Web Technologies (A25290)

Commercial and Artistic Production Technologies
   Advertising and Graphic Design (A30100)

Construction Technologies
   Air Conditioning, Heating, and Refrigeration
      Technology (A35100)
   Carpentry (Diploma)(D35180)

Health Sciences
   Associate Degree Nursing (A45110)
   Dental Assisting (Diploma)(D45240)
   Medical Assisting (A45400)
   Medical Laboratory Technology (A45420)
   Nurse Aide (Certificate)(C45840)

Industrial Technologies
   Computer-Integrated Machining (A50210)
   Industrial Systems Technology (A50240)
   Mechanical Drafting Technology (A50340)
   Welding Technology (A50420)

Public Service Technologies
   Animal Care and Management Technology
      (A55100)
   Community Spanish Interpreter (A55370)
   Cosmetology (A55140)
   Cosmetology Instructor (Certificate) (C55160)
   Criminal Justice Technology (A55180)
   Culinary Arts (A55150)
   Early Childhood Education (A55220)
   Esthetics Instructor (Certificate) (C55270)
   Esthetics Technology (Certificate) (C55230)
   Fire Protection Technology (A55240)
   General Occupational Technology (A55280)
   Infant/Toddler Care (Certificate) (C55290)
   Manicuring/Nail Technology (Certificate) (C55400)

Transport Systems Technologies
   Automotive Systems Technology (A60160)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

College Transfer:
 Associate in Arts (A10100)
 Associate in Engineering (A10500)
 Associate in Fine Arts (A10200)
 Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:
 Agricultural and Natural Resources Technologies
  Brewing, Distillation and Fermentation (A15250)
 Business Technologies
  Accounting (A25100)
  Business Administration (A25120)
  Computer Information Technology (A25260)
  Digital Media Technology (A25210)
  Entrepreneurship (A25490)
  Healthcare Business Informatics (A25510)
  Hospitality Management (A25110)
  Information Systems Security (A25270)
  Medical Office Administration (A25310)
  Medical Transcription (Diploma) (D25320)
  Networking Technology (A25340)
  Office Administration (A25370)
  Web Technologies (A25290)
 Construction Technologies
  Air Conditioning, Heating, and Refrigeration
   Technology (A35100)
  Construction Management Technology (A35190)
  Electrical Systems Technology (A35130)
 Engineering Technologies
  Civil Engineering Technology (A40140)
  Computer Engineering Technology (A40160)
  Electronics Engineering Technology (A40200)
  Environmental Engineering Technology (A40150)
  Geomatics Technology (A40420)
  Mechanical Engineering Technology (A40320)
  Sustainability Technologies (A40370)

Health Sciences
 Associate Degree Nursing (A45110)
 Cardiovascular Sonography (A45160)
 Central Sterile Processing (Certificate) (C45180)
 Dental Assisting (Diploma) (D45240)
 Dental Hygiene (A45260)
 Emergency Medical Science (A45340)
 Health and Fitness Science (A45630)
 Human Services Technology (A45380)
 Medical Assisting (A45400)
 Medical Laboratory Technology (A45420)
 Medical Sonography (A45440)
 Pharmacy Technology (A45580)
 Phlebotomy (Certificate)(C45600)
 Practical Nursing (Diploma)(D45660)
 Radiography (A45700)
 Surgical Technology (A45740)
 Therapeutic Massage (A45750)
 Veterinary Medical Technology (A45780)
Industrial Technologies
 Computer Aided Drafting Technology (A50150)
 Computer-Integrated Machining (A50210)
 Industrial Systems Technology (A50240)
 Welding Technology (A50420)
Public Service Technologies
 Baking and Pastry Arts (A55130)
 Basic Law Enforcement Training (Certificate)
  (C55120)
 Cosmetology (A55140)
 Cosmetology Instructor (Certificate) (C55160)
 Criminal Justice Technology (A55180)
 Culinary Arts (A55150)
 Early Childhood Education (A55220)
 Esthetics Technology (Certificate) (C55230)
 Fire Protection Technology (A55240)
 Food Service Technology (Diploma) (D55250)
 General Occupational Technology (A55280)
 Infant/Toddler Care (Certificate) (C55290)
 Manicuring/Nail Technology (Certificate) (C55400)
 School Age Education (A55440)
Transport Systems Technologies
 Automotive Systems Technology (A60160)
 Aviation Management and Career Pilot Technology
  (A60180)
 Diesel and Heavy Equipment Technology (A60460)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Beaufort County Community College
http://www.beaufortccc.edu/
Post Office Box 1069, Washington, NC 27889
Telephone Number: (252) 946-6194
Fax Number: (252) 946-0271

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Agricultural and Natural Resources Technologies
        Agribusiness Technology (A15100)
    Business Technologies
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Computer Programming (A25130)
        Healthcare Management Technology (A25200)
        Medical Office Administration (A25310)
        Networking Technology (A25340)
        Office Administration (A25370)
    Construction Technologies
        Electrical Systems Technology (A35130)
    Engineering Technologies
        Electrical Engineering Technology (A40180)
        Electronics Engineering Technology (A40200)
        Mechanical Engineering Technology (A40320)
    Health Sciences
        Associate Degree Nursing (A45110)
        Dental Assisting (Diploma) (D45240)
        Health and Fitness Science (A45630)
        Human Services Technology (A45380)
        Medical Laboratory Technology (A45420)
        Nurse Aide (Certificate) (C45840)
        Practical Nursing (Diploma) (D45660)

Industrial Technologies
    Welding Technology (A50420)
Public Service Technologies
    Basic Law Enforcement Training (Certificate)
      (C55120)
    Community Spanish Interpreter Certificate)
      (C55370)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Early Childhood Education (A55220)
    General Occupational Technology (A55280)
    Manicuring/Nail Technology (Certificate) (C55400)
    School Age Education (A55440)
Transport Systems Technologies
    Automotive Systems Technology (A60160)
    Construction Equipment Systems Technology
      (A60450)
    Diesel and Heavy Equipment Technology (A60460)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

__General Education:__
Associate in General Education (A10300)
__College Transfer:__
Associate in Arts (A10100)
Associate in Science (A10400)
__Certificate, Diploma and/or Associate in Applied Science:__
Agricultural and Natural Resources Technologies
Agribusiness Technology (A15100)
Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Hospitality Management (A25110)
Medical Office Administration (A25310)
Office Administration (A25370)
Construction Technologies
Carpentry (Diploma)(D35180)
Electrical Systems Technology (A35130)
Health Sciences
Associate Degree Nursing (A45110)
Emergency Medical Science (A45340)
Nurse Aide (Certificate) (C45840)
Physical Therapy Assistant (A45620)
Practical Nursing (Diploma)(D45660)
Speech-Language Pathology Assistant (A45730)
Industrial Technologies
Industrial Systems Technology (A50240)
Welding Technology (A50420)
Public Service Technologies
Basic Law Enforcement Training (Certificate) (C55120)
Cosmetology (A55140)
Cosmetology Instructor (Certificate)(C55160)
Criminal Justice Technology (A55180)
Early Childhood Education (A55220)
General Occupational Technology (A55280)
Infant/Toddler Care (Certificate) (C55290)
School Age Education (A55440)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Blue Ridge Community College

http://www.blueridge.edu/
180 West Campus Drive, Flat Rock, NC 28731
Telephone Number: (828) 694-1700
Fax Number: (828) 694-1690

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Engineering (A10500)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
    Brewing, Distillation and Fermentation (A15250)
    Horticulture Technology (A15240)

Biological and Chemical Technologies
    Environmental Science Technology (A20140)

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Networking Technology (A25340)
    Office Administration (A25370)
    Office Administration/Virtual Office Assistance (A2537B)
    Stimulation and Game Development (A25450)
    Web Technologies (A25290)

Commercial and Artistic Production Technologies
    Film and Video Production Technology (A30140)

Construction Technologies
    Air Conditioning, Heating, and Refrigeration Technology (A35100)
    Plumbing (Diploma) (D35300)

Engineering Technologies
    Electronics Engineering Technology (A40200)
    Mechanical Engineering Technology (A40320)
    Mechatronics Engineering Technology (A40350)

Health Sciences
    Associate Degree Nursing (A45110)
    Emergency Medical Science (A45340)
    Surgical Technology (A45740)

Industrial Technologies
    Computer-Integrated Machining (A50210)
    Welding Technology (A50420)

Public Service Technologies
    Community Spanish Interpreter (A55370)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Criminal Justice Technology/Latent Evidence (A5518A)
    Early Childhood Education (A55220)
    Esthetics Instructor (Certificate) (C55270)
    Esthetics Technology (C55230)
    Fire Protection Technology (A55240)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    Interpreter Education (A55300)
    Manicuring/Nail Technology (Certificate) (C55400)
    School-Age Care (Certificate) (C55450)
    School Age Education (A55440)

Transport Systems Technologies
    Alternative Transportation Technology (Diploma) (D60420)
    Automotive Light-Duty Diesel Technology (Diploma) (D60430)
    Automotive Systems Technology (A60160)
    Collision Repair and Refinishing Technology (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Brunswick Community College

General Education:
Associate in General Education (A10300)

College Transfer:
Associate in Arts (A10100)
Associate in Engineering (A10500)
Associate in Fine Arts (A10200)
Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
Aquaculture Technology (A15120)
Horticulture Technology (A15240)
Turfgrass Management Technology (A15420)

Biological and Chemical Technologies
Biotechnology (A20100)
Marine Biotechnology (A20170)

Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Computer Programming (A25130)
Healthcare Business Informatics (A25510)
Medical Office Administration (A25310)
Office Administration (A25370)

Engineering Technologies
Electronics Engineering Technology (A40200)
Geomatics Technology (A40420)

Health Sciences
Associate Degree Nursing (A45110)
Health and Fitness Science (A45630)
Health Information Technology (A45360)
Medical Assisting (A45400)
Nurse Aide (Certificate) (C45840)
Phlebotomy (Certificate)(C45600)
Practical Nursing (Diploma)(D45660)
Speech-Language Pathology Assistant (A45730)

Industrial Technologies
Welding Technology (A50420)

Public Service Technologies
Basic Law Enforcement Training (Certificate)
   (C55120)
Cosmetology (A55140)
Cosmetology Instructor (Certificate) (C55160)
Criminal Justice Technology (A55180)
Early Childhood Education (A55220)
Funeral Services Education (A55260)
General Occupational Technology (A55280)
Infant/Toddler Care (Certificate) (C55290)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
   Associate in General Education (A10300)
College Transfer:
   Associate in Arts (A10100)
   Associate in Fine Arts (A10200)
   Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
   Agricultural and Natural Resources Technologies
      Horticulture Technology (A15240)
      Landscape Gardening (A15260)
   Business Technologies
      Accounting (A25100)
      Business Administration (A25120)
      Computer Information Technology (A25260)
      Computer Programming (A25130)
      Computer Technology Integration (A25500)
      Global Logistics and Distribution Management Technology (A25610)
      Hospitality Management (A25110)
      Medical Office Administration (A25310)
      Networking Technology (A25340)
      Office Administration (A25370)
      Paralegal Technology (A25380)
      Web Technologies (A25290)
   Construction Technologies
      Electrical Systems Technology (A35130)
   Engineering Technologies
      Electronics Engineering Technology (A40200)
      Mechanical Engineering Technology (A40320)
   Health Sciences
      Associate Degree Nursing (A45110)
      Cardiovascular Sonography (A45160)
      Dental Assisting (D45240)
      Dietetic Technician (A45310)
      Medical Assisting (A45400)
      Medical Laboratory Technology (A45420)
      Medical Sonography (A45440)
      Nuclear Medicine Technology (A45460)
      Nurse Aide (Certificate) (C45840)
      Ophthalmic Medical Assistant (Diploma) (D45510)
      Physical Therapist Assistant (A45640)
      Radiography (A45700)
      Speech-Language Pathology Assistant (A45730)

Industrial Technologies
   Biomedical Equipment Technology (A50100)
Public Service Technologies
   Basic Law Enforcement Training (Certificate) (C55120)
   Cosmetology (A55140)
   Cosmetology Instructor (Certificate)(C55160)
   Criminal Justice Technology (A55180)
   Criminal Justice Technology/Latent Evidence (A5518A)
   Culinary Arts (A55150)
   Early Childhood Education (A55220)
   Emergency Management (A55460)
Transport Systems Technologies
   Automotive Systems Technology (A60160)
   Aviation Management and Career Pilot Technology (A60180)
   Collision Repair and Refinishing Technology (A60130)
   Truck Driver Training (Certificate) (C60300)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
  Associate in General Education (A10300)
College Transfer:
  Associate in Arts (A10100)
  Associate in Fine Arts (A10200)
  Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
  Agricultural and Natural Resources Technologies
    Landscape Gardening (A15260)
    Marine Technology (A15320)
  Biological and Chemical Technologies
    Chemical Technology (A20120)
  Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Technology Integration (A25500)
    Healthcare Business Informatics (A25510)
    Hospitality Management (A25110)
    Medical Office Administration (A25310)
    Paralegal Technology (A25380)
    Real Estate (A25400)
    Real Estate Licensing (Certificate) (C25480)
  Commercial and Artistic Production Technologies
    Film and Video Production Technology (A30140)
    Interior Design (A30220)
  Construction Technologies
    Air Conditioning, Heating, and Refrigeration
      Technology (A35100)
    Boat Building (Diploma) (D35120)
    Carpentry (Diploma) (D35180)
    Construction Management Technology (A35190)
    Electrical Systems Technology (A35130)
    Plumbing (Diploma) (D35300)
  Engineering Technologies
    Architectural Technology (A40100)
    Computer Engineering Technology (A40160)
    Electronics Engineering Technology (A40200)
    Mechanical Engineering Technology (A40320)
    Mechatronics Engineering Technology (A40350)
    Sustainability Technologies (A40370)

Health Sciences
  Associate Degree Nursing (A45110)
  Cardiovascular Sonography (A45160)
  Dental Assisting (Diploma) (D45240)
  Dental Hygiene (A45260)
  Emergency Medical Science (A45340)
  Medical Sonography (A45440)
  Occupational Therapy Assistant (A45500)
  Pharmacy Technology (A45580)
  Phlebotomy (Certificate) (C45600)
  Practical Nursing (Diploma) (D45660)
  Radiography (A45700)
  Surgical Technology (A45740)
Industrial Technologies
  Computer-Integrated Machining (A50210)
  Industrial Systems Technology (A50240)
  Nuclear Technology (A50460)
  Welding Technology (A50420)
Public Service Technologies
  Baking and Pastry Arts (A55130)
  Basic Law Enforcement Training (Certificate)
    (C55120)
  Community Spanish Interpreter (A55370)
  Cosmetology (A55140)
  Cosmetology Instructor (Certificate) (C55160)
  Criminal Justice Technology (A55180)
  Culinary Arts (A55150)
  Early Childhood Education (A55220)
  Esthetics Technology (Certificate) (C55230)
  Fire Protection Technology (A55240)
  Interpreter Education (A55300)
Transport Systems Technologies
  Automotive Systems Technology (A60160)
  Boat Manufacture and Service (Diploma) (D60330)
  Collision Repair and Refinishing Technology
    (A60130)
  Diesel and Heavy Equipment Technology (A60460)
  Truck Driver Training (Certificate) (C60300)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Carteret Community College

http://www.carteret.edu/
3505 Arendell Street, Morehead City, North Carolina 28557
Phone Number: (252) 247-6000
Fax Number: (252) 247-2514

College Transfer:
    Associate in Arts (A10100)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
Agricultural and Natural Resources Technologies
    Aquaculture Technology (A15120)
Biological and Chemical Technologies
    Biotechnology (A20100)
Business Technologies
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Healthcare Business Informatics (A25510)
    Hospitality Management (A25110)
    Medical Office Administration (A25310)
    Office Administration (A25370)
    Paralegal Technology (A25380)
    Web Technologies (A25290)
Commercial and Artistic Production Technologies
    Photographic Technology (A30280)
Health Sciences
    Associate Degree Nursing (A45110)
    Emergency Medical Science (A45340)
    Human Services Technology (A45380)
    Medical Assisting (A45400)
    Nurse Aide (Certificate) (C45840)
    Practical Nursing (Diploma) (D45660)
    Radiography (A45700)
    Respiratory Therapy (A45720)
    Therapeutic Massage (A45750)

Public Service Technologies
    Baking and Pastry Arts (A55130)
    Basic Law Enforcement Training (Certificate)
     (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Culinary Arts (A55150)
    Early Childhood Education (A55220)
    Esthetics Technology (Certificate) (C55230)
    Foodservice Technology (Diploma) (D55250)
    General Occupational Technology (A55280)
    Manicuring/Nail Technology (Certificate) (C55400)
Transport Systems Technologies
    Boat Manufacture and Service (Diploma) (D60330)
    Marine Propulsion Systems (Diploma) (D60220)
    Truck Driver Training (Certificate) (C60300)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
　Associate in General Education (A10300)

College Transfer:
　Associate in Arts (A10100)
　Associate in Engineering (A10500)
　Associate in Fine Arts (A10200)
　Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science

Agricultural and Natural Resources Technologies
　Horticulture Technology (A15240)
　Turfgrass Management Technology (A15420)

Business Technologies
　Accounting (A25100)
　Business Administration (A25120)
　Computer Information Technology (A25260)
　Computer Programming (A25130)
　Entrepreneurship (A25490)
　Healthcare Management Technology (A25200)
　Information Systems Security (A25270)
　Medical Office Administration (A25310)
　Medical Transcription (Diploma) (D25320)
　Networking Technology (A25340)
　Office Administration (A25370)
　Real Estate (A25400)
　Real Estate Appraisal (A25420)
　Real Estate Licensing (Certificate) (C25480)
　Web Technologies (A25290)

Commercial and Artistic Production Technologies
　Advertising and Graphic Design (A30100)
　Photographic Technology (A30280)

Construction Technologies
　Air Conditioning, Heating, and Refrigeration
　　Technology (A35100)
　Electrical Systems Technology (A35130)

Engineering Technologies
　Computer Engineering Technology (A40160)
　Electronics Engineering Technology (A40200)
　Industrial Engineering Technology (A40240)
　Mechanical Engineering Technology (A40320)
　Mechatronics Engineering Technology (A40350)

Health Sciences
　Associate Degree Nursing (A45110)
　Dental Hygiene (A45260)
　Dietetic Technician (A45310)
　Dental Assisting (Diploma) (D45240)
　Electroneurodiagnostic Technology (A45320)
　Emergency Medical Science (A45340)
　Health and Fitness Science (A45630)
　Health Information Technology (A45360)
　Medical Assisting (A45400)
　Medical Laboratory Technology (A45420)
　Polysomnography (Certificate) (C45650)
　Polysomnography (A45670)
　Radiography (A45700)
　Respiratory Therapy (A45720)
　Surgical Technology (A45740)

Industrial Technologies
　Computer-Integrated Machining (A50210)
　Furniture Production Technology (A50180)
　Furniture Production Technology/Design and
　　Product Development (A5018A)
　Industrial Systems Technology (A50240)
　Welding Technology (A50420)

Public Service Technologies
　Basic Law Enforcement Training (Certificate)
　　(C55120)
　Cosmetology (A55140) (Contract)
　Criminal Justice Technology (A55180)
　Criminal Justice Technology/Latent Evidence
　　(A5518A)
　Early Childhood Education (A55220)
　Emergency Management (A55460)
　Esthetics Technology (Certificate) (C55230)
　Fire Protection Technology (A55240)
　Funeral Service Education (A55260)
　General Occupational Technology (A55280)
　Infant/Toddler Care (Certificate) (C55290)
　School Age Education (A55440)

Transport Systems Technologies
　Automotive Systems Technology (A60160)
　Truck Driver Training (Certificate) (C60300)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
 Associate in General Education (A10300)
College Transfer:
 Associate in Arts (A10100)
 Associate in Fine Arts (A10200)
 Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
 Agricultural and Natural Resources Technologies
  Sustainable Agriculture (A15410)
 Business Technologies
  Accounting (A25100)
  Business Administration (A25120)
  Computer Information Technology (A25260)
  Healthcare Management Technology (A25200)
  Medical Office Administration (A25310)
  Networking Technology (A25340)
  Office Administration (A25370)
  Paralegal Technology (A25380)
  Web Technologies (A25290)
 Commercial and Artistic Production Technology
  Broadcasting and Production Technology (A30120)
 Construction Technologies
  Carpentry (Diploma) (D35180)
  Masonry (Diploma) (D35280)
 Engineering Technologies
  Computer Engineering Technology (A40160)
  Electronics Engineering Technology (A40200)
  Laser and Photonics Technology (A40280)
  Sustainability Technologies (A40370)
 Health Sciences
  Associate Degree Nursing (A45110)
  Dental Assisting (Diploma) (D45240)
  Dental Hygiene (A45260)
  Human Services Technology (A45380)
  Medical Assisting (A45400)
  Nurse Aide (Certificate) (C45840)
  Physical Therapist Assistant (2 Year program) (A45620)
  Practical Nursing (Diploma) (D45660)
  Speech-Language Pathology Assistant (A45730)
  Veterinary Medical Technology (A45780)

Industrial Technologies
 Computer-Integrated Machining (A50210)
 Computer-Aided Drafting (A50150)
 Industrial Systems Technology (A50240)
 Telecommunications Installation and Maintenance (Diploma) (D50380)
 Welding Technology (A50420)
Public Service Technologies
 Barbering (Diploma) (D55110)
 Basic Law Enforcement Training (Certificate) (C55120)
 Cosmetology (A55140)
 Cosmetology Instructor (Certificate) (C55160)
 Criminal Justice Technology (A55180)
 Criminal Justice Technology/Latent Evidence (A5518A)
 Culinary Arts (A55150)
 Early Childhood Education (A55220)
 Esthetics Instructor (Certificate) (C55270)
 Esthetics Technology (Certificate) (C55230)
 General Occupational Technology (A55280)
 Infant/Toddler Care (Certificate) (C55290)
 Library and Information Technology (A55310)
 School Age Education (A55440)
Transport Systems Technologies
 Automotive Restoration Technology (Diploma) (D60140)
 Automotive Systems Technology (A60160)
 Motorcycle Mechanics (A60260)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Central Piedmont Community College

http://www.cpcc.edu/
Post Office Box 35009, Charlotte, North Carolina 28235
Phone Number: (704) 330-2722
Fax Number: (704) 330-5045

College Transfer:
    Associate in Arts (A10100)
    Associate in Engineering (A10500)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
    Horticulture Technology (A15240)
    Turfgrass Management Technologies (A15420)

Biological and Chemical Technologies
    Biotechnology (A20100)

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Computer Technology Integration (A25500)
    Database Management (A25150)
    Global Logistics and Distribution Management Technology (A25610)
    Hospitality Management (A25110)
    Information Systems Security (A25270)
    Medical Office Administration (A25310)
    Office Administration (A25370)
    Office Administration/Legal (A2537A)
    Paralegal Technology (A25380)
    Simulation and Game Development (A25450)
    Web Technologies (A25290)

Commercial and Artistic Production Technologies
    Advertising and Graphic Design (A30100)
    Broadcasting and Production Technology (A30120)
    Graphic Arts and Imaging Technology (A30180)
    Graphic Arts and Imaging Technology/Flexography (A3018A)
    Interior Design (A30220)

Construction Technologies
    Air Conditioning, Heating, and Refrigeration Technology (A35100)
    Construction Management Technology (A35190)
    Electrical Systems Technology (A35130)

Engineering Technologies
    Architectural Technology (A40100)
    Civil Engineering Technology (A40140)
    Computer Engineering Technology (A40160)
    Electrical Engineering Technology (A40180)
    Electronics Engineering Technology (A40200)
    Geomatics Technology (A40420)
    Geospatial Technology (A40220)
    Mechanical Engineering Technology (A40320)
    Mechatronics Engineering Technology (A40350)
    Sustainability Technologies (A40370)

Health Sciences
    Associate Degree Nursing (A45110)
    Cardiovascular Technology (Invasive and Non-Invasive) (A45170)
    Cytotechnology (Certificate) (C45220)
    Dental Assisting (Diploma) (D45240)
    Dental Hygiene (A45260)
    Emergency Medical Science (A45340)
    Health and Fitness Science (A45630)
    Health Information Technology (A45360)
    Human Services Technology (A45380)
    Human Services Technology/Developmental Disabilities (A4538A)
    Human Services Tech/Substance Abuse (A4538E)
    Medical Assisting (A45400)
    Medical Laboratory Technology (A45420)
    Nurse Aide (Certificate) (C45840)
    Occupational Therapy Assistant (A45500)
    Ophthalmic Medical Assistant (Diploma) (D45510)
    Pharmacy Technology (A45580)
    Physical Therapist Assistant (A45640)
    Respiratory Therapy (A45720)
    Surgical Technology (A45740)

Industrial Technologies
    Biomedical Equipment Technology (A50100)
    Computer-Integrated Machining (A50210)
    Manufacturing Technology (A50320)
    Nondestructive Examination Technology (A50350)
    Welding Technology (A50420)

Public Service Technologies
    Baking and Pastry Arts (A55130)
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Culinary Arts (A55150)
    Early Childhood Education (A55220)
    Fire Protection Technology (A55240)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    Interpreter Education (A55300)
    Lateral Entry (Certificate) (C55430)
    School-Age Care (Certificate) (C55450)

Transport Systems Technologies
    Automotive Systems Technology (A60160)
    Collision Repair and Refinishing Technology (A60130)
    Diesel and Heavy Equipment Technology (A60460)
    Truck Driver Training (Certificate) (C60300)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Cleveland Community College

http://www.clevelandcommunitycollege.edu/
137 S. Post Road, Shelby, North Carolina 28152
Phone Number: (704) 484-4000
Fax Number: (704) 484-4036

General Education:
Associate in General Education (A10300)

College Transfer:
Associate in Arts (A10100)
Associate in Fine Arts (A10200)
Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Biological and Chemical Technologies
Biotechnology (A20100)

Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Computer Programming (A25130)
Computer Technology Integration (A25500)
Entrepreneurship (A25490)
Information Systems Security (A25270)
Medical Office Administration (A25310)
Medical Transcription (Diploma) (D25320)
Networking Technology (A25340)
Office Administration (A25370)
Office Administration/Legal (A2537A)
Real Estate (A25400)
Web Technologies (A25290)

Commercial and Artistic Production Technologies
Broadcasting and Production Technology (A30120)

Construction Technologies
Air Conditioning, Heating, and Refrigeration
    Technology (A35100)
Carpentry (Diploma) (D35180)
Electrical Systems Technology (A35130)
Plumbing (Diploma) (D35300)

Engineering Technologies
Automation Engineering Technology (A40120)
Electronics Engineering Technology (A40200)
Mission Critical Operations (A40430)

Health Sciences

Associate Degree Nursing (A45110)
Computed Tomography and Magnetic Resonance
    Imaging (Diploma) (D45200)
Emergency Medical Science (A45340)
Medical Assisting (A45400)
Nurse Aide (Certificate) (C45840)
Phlebotomy (Certificate) (C45600)
Practical Nursing (Diploma) (D45660)
Radiography (A45700)
Surgical Technology (A45740)

Industrial Technologies
Computer-Integrated Machining (A50210)
Facility Maintenance Technology (A50190)
Industrial Systems Technology (A50240)
Industrial Management Technology (A50260)
Mechanical Drafting Technology (A50340)
Welding Technology (A50420)

Public Service Technologies
Basic Law Enforcement Training (Certificate)
    (C55120)
Community Spanish Interpreter (A55370)
Cosmetology (A55140)
Cosmetology Instructor (Certificate) (C55160)
Criminal Justice Technology (A55180)
Early Childhood Education (A55220)
Esthetics Instructor (Certificate) (C55270)
Esthetics Technology (Certificate) (C55230)
Fire Protection Technology (A55240)
General Occupational Technology (A55280)
Infant/Toddler Care (Certificate) (C55290)
Lateral Entry (Certificate) (C55430)
Manicuring/Nail Technology (Certificate) (C55400)
School-Age Care (Certificate) (C55450)
School Age Education (A55440)

Transport Systems Technologies
Collision Repair and Refinishing Technology
    (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Coastal Carolina Community College

College Transfer:
    Associate in Arts (A10100)
    Associate in Engineering (A10500)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Financial Services (A25330)
    Hospitality Management (A25110)
    Information Systems Security (A25270)
    Medical Office Administration (A25310)
    Networking Technology (A25340)
    Office Administration (A25370)
    Paralegal Technology (A25380)
    Web Technologies (A25290)

Construction Technologies
    Air Conditioning, Heating, and Refrigeration Technology (A35100)
    Electrical Systems Technology (A35130)

Engineering Technologies
    Architectural Technology (A40100)
    Electronics Engineering Technology (A40200)

Health Sciences
    Associate Degree Nursing (A45110)
    Dental Assisting (Diploma) (D45240)
    Dental Hygiene (A45260)
    Emergency Medical Science (A45340)
    Health and Fitness Science (A45630)
    Medical Laboratory Technology (A45420)
    Nurse Aide (Certificate) (C45840)
    Practical Nursing (Diploma) (D45660)
    Surgical Technology (A45740)

Industrial Technologies
    Welding Technology (A50420)

Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Criminal Justice Technology/Financial Crime/Computer Fraud (A5518B)
    Criminal Justice Technology/Latent Evidence (A5518A)
    Culinary Arts (A55150)
    Early Childhood Education (A55220)
    Emergency Management (A55460)
    Fire Protection Technology (A55240)
    Infant/Toddler Care (Certificate) (C55290)
    Manicuring/Nail Technology (Certificate) (C55400)
    School-Age Care (Certificate) (C55450)

Transport Systems Technologies
    Automotive Systems Technology (A60160)
    Collision Repair and Refinishing Technology (A60130)
    Diesel and Heavy Equipment Technology (A60460)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

College of The Albemarle
http://www.albemarle.edu/
Post Office Box 2327, Elizabeth City, North Carolina 27906-2327
Telephone Number: (252) 335-0821
Fax Number: (252) 335-2011

General Education:
  Associate in General Education (A10300)
College Transfer:
  Associate in Arts (A10100)
  Associate in Engineering (A10500)
  Associate in Fine Arts (A10200)
  Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
  Agricultural and Natural Resources Technologies
    Marine Sciences (A15310)
  Biological and Chemical Technologies
    Biotechnology (A20100)
  Business Technologies
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Computer Technology Integration (A25500)
    Healthcare Business Informatics (A25510)
    Medical Office Administration (A25310)
    Networking Technology (A25340)
    Office Administration (A25370)
    Web Technologies (A25290)
  Commercial and Artistic Production Technologies
    Professional Crafts: Clay (A30300)
    Professional Crafts: Jewelry (A30340)
  Construction Technologies
    Air Conditioning, Heating, and Refrigeration
      Technology (A35100)
    Building Construction Technology (A35140)
    Electrical Systems Technology (A35130)
  Engineering Technologies
    Architectural Technology (A40100)
    Computer Engineering Technology (A40160)
    Mechanical Engineering Technology (A40320)
    Sustainability Technologies (A40370)

Health Sciences
  Associate Degree Nursing (A45110)
  Dental Assisting (Diploma) (D45240)
  Health Care Technology (Certificate) (C45350)
  Human Services Technology (A45380)
  Medical Assisting (A45400)
  Medical Laboratory Technology (A45420)
  Nurse Aide (Certificate) (C45840)
  Phlebotomy (Certificate) (C45600)
  Practical Nursing (Diploma) (D45660)
  Surgical Technology (A45740)
Industrial Technologies
  Computer-Aided Drafting Technology (A50150)
  Computer-Integrated Machining (A50210)
  Industrial Systems Technology (A50240)
  Welding Technology (A50420)
Public Service Technologies
  Basic Law Enforcement Training (Certificate)
    (C55120)
  Cosmetology (A55140)
  Cosmetology Instructor (Certificate) (C55160)
  Criminal Justice Technology (A55180)
  Culinary Arts (A55150)
  Early Childhood Education (A55220)
  Esthetics Instructor (Certificate) (C55270)
  Esthetics Technology (Certificate) (C55230)
  General Occupational Technology (A55280)
  Infant/Toddler Care (Certificate) (C55290)
  Lateral Entry (Certificate) (C55430)
  Manicuring Instructor (Certificate) (C55380)
  School Age Education (A55440)
Transport Systems Technologies
  Aviation Systems Technology (A60200)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Craven Community College

http://www.cravencc.edu/
800 College Ct., New Bern, NC 28562
Telephone Number: (252) 638-4131
Fax Number: (252) 638-4232

General Education:
    Associate in General Education (A10300)

College Transfer:
    Associate in Arts (A10100)
    Associate in Engineering (A10500)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Biological and Chemical Technologies
    Biotechnology (A20100)

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Computer Technology Integration (A25500)
    Entrepreneurship (A25490)
    Hospitality Management (A25110)
    Information Systems Security (A25270)
    Medical Office Administration (A25310)
    Networking Technology (A25340)

Engineering Technologies
    Computer Engineering Technology (A40160)
    Electrical Engineering Technology (A40180)
    Electronics Engineering Technology (A40200)
    Mechanical Engineering Technology (A40320)

Health Sciences
    Associate Degree Nursing (A45110)
    Heath Information Technology (A45360)
    Medical Assisting (A45400)
    Pharmacy Technology (A45580)
    Physical Therapist Assistant (2 year program) (A45620)
    Practical Nursing (Diploma) (D45660)

Industrial Technologies
    Computer-Aided Drafting Technology (A50150)
    Computer-Integrated Machining (A50210)
    Manufacturing Technology (A50320)
    Welding Technology (A50420)

Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Criminal Justice Technology (A55180)
    Early Childhood Education (A55220)
    Esthetics Technology (Certificate) (C55230)
    Infant/Toddler Care (Certificate) (C55290)

Transport Systems Technologies
    Automotive Systems Technology (A60160)
    Aviation Systems Technology (A60200)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Davidson County Community College

General Education:
    Associate in General Education (A10300)

College Transfer:
    Associate in Arts (A10100)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Biological and Chemical Technologies
    Aquarium Science Technology (A20260)
    Zoological Science Technology (A20250)

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Computer Technology Integration (A25500)
    Entrepreneurship (A25490)
    Global Logistics and Distribution Management Technology (A25610)
    Information Systems Security (A25270)
    Networking Technology (A25340)
    Paralegal Technology (A25380)
    Web Technologies (A25290)

Construction Technologies
    Air Conditioning, Heating, and Refrigeration Technology (A35100)

Engineering Technologies
    Applied Engineering Technology (A40130)
    Electronics Engineering Technology (A40200)
    Sustainability Technologies (A40370)

Health Sciences
    Associate Degree Nursing (A45110)
    Cancer Information Management (A45130)
    Central Sterile Processing (Certificate) (C45180)
    Emergency Medical Science (A45340)
    Health Information Technology (A45360)
    Healthcare Interpreting (A45430)
    Histotechnology (A45370)
    Human Services Technology (A45380)
    Medical Assisting (A45400)
    Medical Laboratory Technology (A45420)
    Nurse Aide (Certificate) (C45840)
    Occupational Therapy Assistant (A45500)
    Pharmacy Technology (A45580)
    Phlebotomy (Certificate) (C45600)
    Practical Nursing (Diploma) (D45660)
    Surgical Technology (A45740)
    Therapeutic Massage (A45750)

Industrial Technologies
    Computer-Integrated Machining (A50210)
    Industrial Systems Technology (A50240)
    Manufacturing Technology (A50320)
    Welding Technology (A50420)

Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Criminal Justice Technology (A55180)
    Early Childhood Education (A55220)
    Esthetics Technology (Certificate) (C55230)
    Fire Protection Technology (A55240)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    Recreation and Leisure Studies (A55360)
    School Age Education (A55440)

Transport Systems Technologies
    Automotive Systems Technology (A60160)
    Diesel and Heavy Equipment Technology (A60460)
    Motorcycle Mechanics (A60260)
    Truck Driver Training (Certificate) (C60300)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)

College Transfer:
    Associate in Arts (A10100)
    Associate in Engineering (A10500)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Entrepreneurship (A25490)
    Information Systems Security (A25270)
    Medical Office Administration (A25310)
    Networking Technology (A25340)
    Office Administration (A25370)
    Paralegal Technology (A25380)
    Web Technologies (A25290)

Construction Technologies
    Electrical Systems Technology (A35130)

Engineering Technologies
    Architectural Technology (A40100)
    Electronics Engineering Technology (A40200)
    Sustainability Technologies (A40370)

Health Sciences
    Associate Degree Nursing (A45110)
    Clinical Trials Research Associate (A45190)
    Dental Laboratory Technology (A45280)
    Emergency Medical Science (A45340)
    Health Information Technology (A45360)
    Medical Assisting (A45400)
    Medical Product Safety and Pharmacovigilance (A45810)
    Nurse Aide (Certificate) (C45840)
    Occupational Therapy Assistant (A45500)
    Optical Apprentice (Certificate) (C45520)
    Optical Laboratory Mechanics (Certificate) (C45540)
    Opticianry (A45560)
    Pharmacy Technology (A45580)
    Practical Nursing (Diploma) (D45660)
    Respiratory Therapy (A45720)
    Surgical Technology (A45740)

Industrial Technologies
    Biomedical Equipment Technology (A50100)
    Computer-Integrated Machining (A50210)
    Environment Health and Safety Technology (A50160)
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)

Public Services Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Community Spanish Interpreter (A55370)
    Criminal Justice Technology (A55180)
    Early Childhood Education (A55220)
    Emergency Management (A55460)
    Fire Protection Technology (A55240)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    School Age Education (A55440)

Transport Systems Technology
    Automotive Systems Technology (A60160)
    Collision Repair and Refinishing Technology (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Edgecombe Community College

General Education:
Associate in General Education (A10300)

College Transfer:
Associate in Arts (A10100)
Associate in Fine Arts (A10200)
Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
Horticulture Technology (A15240)
Swine Management Technology (A15150)

Biological and Chemical Technologies
Biotechnology (A20100)

Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Computer Programming (A25130)
Computer Technology Integration (A25500)
Global Logistics and Distribution Management Technology (A25610)
Healthcare Management Technology (A25200)
Hunting and Shooting Sports Management (A25600)
Medical Office Administration (A25310)
Medical Transcription (Diploma) (D25320)
Networking Technology (A25340)
Office Administration (A25370)
Real Estate Appraisal (A25420)
Web Technologies (A25290)

Construction Technologies
Electrical Systems Technology (A35130)
Electric Line Construction Technology (A35230)
Historic Preservation (A35110)

Engineering Technologies
Geospatial Technology (A40220)

Health Sciences
Associate Degree Nursing (A45110)
Cardiovascular/Vascular Interventional Technology (Diploma) (D45140)
Central Sterile Processing (Certificate) (C45180)
Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) (D45200)
Dental Assisting (D45240))
Dental Hygiene (A45260)
Health Information Technology (A45360)
Human Services Technology (A45380)
Human Services Technology/Developmental Disabilities (A4538A)
Human Services Technology/Social Services (A4538D)
Magnetic Resonance Imaging (A45800)
Medical Assisting (A45400)
Nurse Aide (Certificate) (C45840)
Practical Nursing (Diploma) (D45660)
Radiography (A45700)
Respiratory Therapy (A45720)
Surgical Technology (A45740)

Industrial Technologies
Facility Maintenance Worker (Diploma) (D50170)
Industrial Systems Technology (A50240)
Manufacturing Technology (A50320)
Mechanical Drafting Technology (A50340)

Public Service Technologies
Barbering (Diploma) (D55110)
Cosmetology (A55140)
Cosmetology Instructor (Certificate) (C55160)
Criminal Justice Technology (A55180)
Cyber Crime Technology (A55210)
Early Childhood Education (A55220)
Esthetics Instructor (Certificate) (C55270)
Esthetics Technology (Certificate) (C55230)
Funeral Service Education (A55260)
General Occupational Technology (A55280)
Lateral Entry (Certificate) (C55430)
Manicuring Instructor (Certificate) (C55380)
Manicuring/Nail Technology (Certificate) (C55400)
School Age Education (A55440)

Transport Systems Technologies
Automotive Systems Technology (A60160)
Collision Repair and Refinishing Technology (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Fayetteville Technical Community College

http://www.faytechcc.edu/
Post Office Box 35236, Fayetteville, North Carolina 28303-0236
Telephone Number: (910) 678-8400
Fax Number: (910) 484-6600

General Education:
 Associate in General Education (A10300)
College Transfer:
 Associate in Arts (A10100)
 Associate in Engineering (A10500)
 Associate in Fine Arts (A10200)
 Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
 Agricultural and Natural Resources Technologies
 Horticulture Technology (A15240)
 Business Technologies
 Accounting (A25100)
 Business Administration (A25120)
 Computer Information Technology (A25260)
 Computer Programming (A25130)
 Global Logistics and Distribution Management
 Technology (A25610)
 Healthcare Management Technology (A25200)
 Hospitality Management (A25110)
 Information Systems Security (A25270)
 Medical Office Administration (A25310)
 Networking Technology (A25340)
 Office Administration (A25370)
 Paralegal Technology (A25380)
 Simulation and Game Development (A25450)
 Web Technologies (A25290)
 Commercial and Artistic Production Technologies
 Advertising and Graphic Design (A30100)
 Gunsmithing (A30200)
 Construction Technologies
 Air Conditioning, Heating, and Refrigeration
 Technology (A35100)
 Building Construction Technology (A35140)
 Carpentry (Diploma) (D35180)
 Electrical Systems Technology (A35130)
 Plumbing (Diploma) (D35300)
 Engineering Technologies
 Architectural Technology (A40100)
 Civil Engineering Technology (A40140)
 Electronics Engineering Technology (A40200)
 Geomatics Technology (A40420)

Health Sciences
 Associate Degree Nursing (A45110)
 Central Sterile Processing (Certificate) (C45180)
 Dental Assisting (Diploma) (D45240)
 Dental Hygiene (A45260)
 Emergency Medical Science (A45340)
 Heath and Fitness Science (A45630)
 Mammography (C45830)
 Nuclear Medicine Technology (A45460)
 Nurse Aide (Certificate) (C45840)
 Pharmacy Technology (A45580)
 Physical Therapist Assistant (A45620)
 Practical Nursing (Diploma) (D45660)
 Radiography (A45700)
 Respiratory Therapy (A45720)
 Speech-Language Pathology Assistant (A45730)
 Surgical Technology (A45740)
 Therapeutic Massage (A45750)
Industrial Technologies
 Computer-Integrated Machining (A50210)
 Welding Technology (A50420)
Public Service Technologies
 Basic Law Enforcement Training (Certificate)
 (C55120)
 Cosmetology (A55140) (Contract)
 Cosmetology Instructor (Certificate) (C55160)
 Criminal Justice Technology (A55180)
 Criminal Justice Technology/Latent Evidence
 (A5518A)
 Culinary Arts (A55150)
 Early Childhood Education (A55220)
 Emergency Management (A55460)
 Esthetics Instructor (Certificate) (C55270)
 Esthetics Technology (Certificate) (C55230)
 Fire Protection Technology (A55240)
 Funeral Service Education (A55260)
 General Occupational Technology (A55280)
 Infant/Toddler Care Certificate (C55290)
 Interpreter Education (A55300)
 Manicuring/Nail Technology (C55400)
 School Age Education (A55440)
Transport Systems Technologies
 Automotive Systems Technology (A60160)
 *Aviation Management and Career Pilot Technology
 (A60180)*
 Collision Repair and Refinishing Technology
 (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Forsyth Technical Community College

http://www.forsythtech.edu/
2100 Silas Creek Parkway, Winston-Salem, North Carolina 27103-5197
Telephone Number: (336) 723-0371
Fax Number: (336) 761-2399

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Engineering (A10500)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science

Agricultural and Natural Resources Technologies
    Horticulture Technology (A15240)
    Landscape Gardening (A15260)

Biological and Chemical Technologies
    Biotechnology (A20100)
    Environmental Science Technology (A20140)
    Nanotechnology (A20190)

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Database Management (A25150)
    Entrepreneurship (A25490)
    Financial Services (A25330)
    Global Logistics and Distribution Management Technology (A25610)
    Healthcare Business Informatics (A25510)
    Healthcare Management Technology (A25200)
    Information Systems Security (A25270)
    Medical Office Administration (A25310)
    Networking Technology (A25340)
    Nonprofit Leadership and Management (A25410)
    Office Administration (A25370)
    Paralegal Technology (A25380)
    Project Management Technology (A25390)
    Real Estate (A25400)
    Real Estate Appraisal (A25420)
    Web Technologies (A25290)

Commercial and Artistic Production Technologies
    Broadcasting and Production Technology (A30120)
    Digital Effects and Animation Technology (A30130)
    Graphic Arts and Imaging Technology (A30180)
    Interior Design (A30220)

Construction Technologies
    Air Conditioning, Heating, and Refrigeration Technology (A35100)
    Carpentry (Diploma) (D35180)
    Electrical Systems Technology (A35130)
    Plumbing (Diploma) (D35300)

Engineering Technologies
    Architectural Technology (A40100)
    Automation Engineering Technology (A40120)
    Computer Engineering Technology (A40160)
    Electronics Engineering Technology (A40200)
    Mechanical Engineering Technology (A40320)
    Sustainability Technologies (A40370)

Health Sciences
    Associate Degree Nursing (A45110)
    Cardiovascular Sonography (A45160)
    Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) (D45200)
    Dental Assisting (Diploma) (D45240)
    Dental Hygiene (A45260)
    Emergency Medical Science (A45340)
    Health Care Technology (Certificate) (C45350)
    Human Services Technology (A45380)
    Human Services Technology /Gerontology (A4538B)
    Interventional Cardiac and Vascular Technology (A45410)
    Magnetic Resonance Imaging (A45800)
    Medical Assisting (A45400)
    Medical Sonography (A45440)
    Nuclear Medicine Technology (A45460)
    Pharmacy Technology (A45580)
    Practical Nursing (Diploma) (D45660)
    Radiation Therapy Technology (A45680)
    Radiography (A45700)
    Respiratory Therapy (A45720)
    Speech-Language Pathology Assistant (A45730)
    Therapeutic Massage (A45750)

Industrial Technologies
    Biomedical Equipment Technology (A50100)
    Computer-Integrated Machining (A50210)
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Criminal Justice Technology (A55180)
    Criminal Justice Technology/Latent Evidence (A5518A)
    Cyber Crime Technology (A55210)
    Early Childhood Education (A55220)
    Emergency Management (A55460)
    Fire Protection Technology (A55240)
    General Occupational Technology (A55280)
    Lateral Entry (Certificate) (C55430)
    School Age Education (A55440)

Transport Systems Technologies
    Automotive Systems Technology (A60160)
    Collision Repair and Refinishing Technology (A60130)
    Diesel and Heavy Equipment Technology (A60460)
    Motorcycle Mechanics (A60260)
    Race Car Technology (A60400)
    Recreational Vehicle Maintenance and Repair Technology (Diploma) (D60310)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Gaston College

General Education:
    Associate in General Education (A10300)

College Transfer:
    Associate in Arts (A10100)
    Associate in Engineering (A10500)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Biological and Chemical Technologies
    Biotechnology (A20100)

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Global Logistics and Distribution Management Technology (A25610)
    Healthcare Business Informatics (A25510)
    Information Systems Security (A25270)
    Medical Office Administration (A25310)
    Medical Transcription (Diploma) (D25320)
    Networking Technology (A25340)
    Office Administration (A25370)
    Office Administration/Legal (A2537A)
    Paralegal Technology (A25380)
    Web Technologies (A25290)

Commercial and Artistic Production Technologies
    Broadcasting and Production Technology (A30120)

Construction Technologies
    Air Conditioning, Heating, and Refrigeration Technology (A35100)
    Electrical Systems Technology (A35130)

Engineering Technologies
    Architectural Technology (A40100)
    Civil Engineering Technology (A40140)
    Computer Engineering Technology (A40160)
    Electronics Engineering Technology (A40200)
    Mechanical Engineering Technology (A40320)
    Mechatronics Engineering Technology (A40350)

Health Sciences
    Associate Degree Nursing (A45110)
    Dietetic Technician (A45310)
    Emergency Medical Science (A45340)
    Health and Fitness Science (A45630)
    Human Services Technology (A45380)
    Human Services Technology/Developmental Disabilities (A4538A)
    Medical Assisting (A45400)
    Nurse Aide (Certificate) (C45840)
    Phlebotomy (Certificate) (C45600)
    Practical Nursing (Diploma) (D45660)
    Therapeutic Massage (A45750)
    Veterinary Medical Technology (A45780)

Industrial Technologies
    Biomedical Equipment Technology (A50100)
    Computer-Integrated Machining (A50210)
    Industrial Systems Technology (A50240)
    Manufacturing Technology (A50320)
    Nondestructive Examination Technology (A50350)
    Nuclear Technology (A50460)
    Welding Technology (A50420)

Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Criminal Justice Technology (A55180)
    Criminal Justice Technology/Latent Evidence (A5518A)
    Early Childhood Education (A55220)
    Emergency Management (A55460)
    Esthetics Technology (Certificate) (C55230)
    Fire Protection Technology (A55240)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    Lateral Entry (Certificate) (C55430)
    School-Age Care (Certificate) (C55450)

Transport Systems Technologies
    Automotive Systems Technology (A60160)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
Associate in General Education (A10300)
College Transfer:
Associate in Arts (A10100)
Associate in Engineering (A10500)
Associate in Fine Arts (A10200)
Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
Agricultural and Natural Resource Technologies
Turfgrass Management Technology (A15420)
Biological and Chemical Technologies
Biotechnology (A20100)
Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Computer Programming (A25130)
Computer Technology Integration (A25500)
Entertainment Technologies (A25190)
Global Logistics and Distribution Management
Technology (A25610)
Healthcare Management Technology (A25200)
Hospitality Management (A25110)
Information Systems Security (A25270)
Medical Office Administration (A25310)
Medical Transcription (Diploma) (D25320)
Networking Technology (A25340)
Office Administration (A25370)
Paralegal Technology (A25380)
Simulation and Game Development (A25450)
Web Technologies (A25290)
Commercial and Artistic Production Technologies
Advertising and Graphic Design (A30100)
Construction Technologies
Air Conditioning, Heating, and Refrigeration
Technology (A35100)
Carpentry (Diploma) (D35180)
Construction Management Technology (A35190)
Electrical Systems Technology (A35130)
Plumbing (Diploma) (D35300)
Engineering Technologies
Architectural Technology (A40100)
Civil Engineering Technology (A40140)
Electronics Engineering Technology (A40200)
Geomatics Technology (A40420)
Mechanical Engineering Technology (A40320)
Mechatronics Engineering Technology (A40350)
Telecommunications and Network Engineering
Technology (A40400)

Health Sciences
Associate Degree Nursing (A45110)
Dental Assisting (Diploma) (D45240)
Dental Hygiene (A45260)
Emergency Medical Science (A45340)
Human Services Technology (A45380)
Human Services Technology/Mental Health (A4538C)
Human Services Technology/Substance Abuse
(A4538E)
Medical Assisting (A45400)
Nurse Aide (Certificate) (C45840)
Pharmacy Technology (A45580)
Physical Therapist Assistant (A45640)
Practical Nursing (Diploma) (D45660)
Radiography (A45700)
Surgical Technology (A45740)
Industrial Technologies
Aerostructure Manufacturing and Repair Technology
(A50450)
Computer-Integrated Machining (A50210)
Furniture Upholstery (Diploma) (D50220)
Industrial Systems Technology (A50240)
Manufacturing Technology (A50320)
Welding Technology (A50420)
Public Service Technologies
Basic Law Enforcement Training (Certificate) (C55120)
Cosmetology (A55140)
Criminal Justice Technology (A55180)
Culinary Arts (A55150)
Cyber Crime Technology (A55210)
Early Childhood Education (A55220)
Emergency Management (A55460)
Fire Protection Technology (A55240)
General Occupational Technology (A55280)
Occupational Education Associate (A55320)
Transport Systems Technologies
Automotive Systems Technology (A60160)
Aviation Electronics (Avionics) Technology (A60150)
Aviation Management and Career Pilot Technology
(A60180)
Aviation Systems Technology (A60200)
Collision Repair and Refinishing Technology (A60130)
Diesel and Heavy Equipment Technology (A60460)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
  Associate in General Education (A10300)
College Transfer:
  Associate in Arts (A10100)
  Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
  Agricultural and Natural Resources Technologies
    Greenhouse and Grounds Maintenance (Certificate) (C15220)
  Business Technologies
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Medical Office Administration (A25310)
    Office Administration (A25370)
    Paralegal Technology (A25380)
  Commercial and Artistic Production Technologies
    Advertising and Graphic Design (A30100)
  Construction Technologies
    Electric Line Construction Technology (A35230)

Health Sciences
  Associate Degree Nursing (A45110)
  Dental Hygiene (A45260)
  Human Services Technology (A45380)
  Medical Laboratory Technology (A45420)
  Nurse Aide (Certificate) (C45840)
  Phlebotomy (Certificate) (C45600)
  Practical Nursing (Diploma) (D45660)
Industrial Technologies
  Industrial Systems Technology (A50240)
  Welding Technology (A50420)
Public Service Technologies
  Basic Law Enforcement Training (Certificate) (C55120)
  Cosmetology (A55140)
  Criminal Justice Technology (A55180)
  Early Childhood Education (A55220)
Transport Systems Technologies
  Automotive Systems Technology (A60160)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

http://www.haywood.edu/
185 Freelander Drive, Ckyde, NC 28721
Telephone Number: (828) 627-2821
Fax Number: (828) 627-4513

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Agricultural and Natural Resources Technologies
        Fish and Wildlife Management Technology
          (A15160)
        Forestry Management Technology (A15200)
        Horticulture Technology (A15240)
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Entrepreneurship (A25490)
        Medical Office Administration (A25310)
        Networking Technology (A25340)
    Commercial and Artistic Production Technologies
        Professional Crafts: Clay (A30300)
        Professional Crafts: Fiber (A30320)
        Professional Crafts: Jewelry (A30340)
        Professional Crafts: Wood (A30360)
    Construction Technologies
        Building Construction Technology (A35140)
        Electrical Systems Technology (A35130)

Engineering Technologies
    Electronics Engineering Technology (A40200)
    Manufacturing Engineering Technology (A40300)
Health Sciences
    Associate Degree Nursing (A45110)
    Emergency Medical Science (A45340)
    Medical Assisting (A45400)
Industrial Technologies
    Computer-Integrated Machining (A50210)
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)
Public Service Technologies
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Early Childhood Education (A55220)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    Manicuring/Nail Technology (Certificate) (C55400)
    School Age Education (A55440)
Transport Systems Technologies
    Automotive Systems Technology (A60160)
    Collision Repair and Refinishing Technology
      (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Isothermal Community College

http://www.isothermal.edu/
P O Box 804, Spindale, NC 28160
Telephone Number: (828) 286-3636
Fax Number: (828) 286-1120

General Education:
Associate in General Education (A10300)

College Transfer:
Associate in Arts (A10100)
Associate in Fine Arts (A10200)
Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
Agribusiness Technology (A15100)

Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Computer Programming (A25130)
Entrepreneurship (A25490)
Healthcare Management Technology (A25200)
Medical Office Administration (A25310)
Networking Technology (A25340)
Office Administration (A25370)
Web Technologies (A25290)

Commercial and Artistic Production Technologies
Advertising and Graphics Design (A30100)
Broadcasting and Production Technology (A30120)

Construction Technologies
Building Construction Technology (A35140)
Electrical Systems Technology (A35130)

Engineering Technologies
Computer Engineering Technology (A40160)
Electronics Engineering Technology (A40200)
Mechanical Engineering Technology (A40320)

Health Sciences
Associate Degree Nursing (A45110)
Emergency Medical Science (A45340)
Health Information Technology (A45360)
Licensed Practical Nurse Refresher (Certificate) (C45390)
Practical Nursing (Diploma) (D45660)
Surgical Technology (Diploma) (D45740)

Industrial Technologies
Computer-Integrated Machining (A50210)
Industrial Systems Technology (A50240)
Manufacturing Technology (A50320)
Mechanical Drafting Technology (A50340)
Welding Technology (A50420)

Public Service Technologies
Basic Law Enforcement Training (Certificate) (C55120)
Cosmetology (A55140)
Cosmetology Instructor (Certificate) (C55160)
Criminal Justice Technology (A55180)
Early Childhood Education (A55220)
Esthetics Instructor (Certificate) (C55270)
Esthetics Technology (Certificate) (C55230)
General Occupational Technology (A55280)
Infant/Toddler Care (Certificate) (C55290)
Manicuring Instructor (Certificate) (C55380)
Manicuring/Nail Technology (Certificate) (C55400)
Occupational Education Associate (A55320)
School Age Education (A55440)

Transport Systems Technologies
Collision Repair and Refinishing Technology (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

James Sprunt Community College

General Education:
    Associate in General Education (A10300)

College Transfer:
    Associate in Arts (A10100)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
    Agribusiness Technology (A15100)
    Applied Animal Science Technology (A15280)
    Swine Management Technology (A15150)
    Viticulture and Enology Technology (A15430)

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Office Administration (A25370)

Commercial and Artistic Production Technologies
    Advertising and Graphic Design (A30100)

Construction Technologies
    Electrical Systems Technology (A35130)
      Masonry (Diploma) (D35280)

Health Sciences
    Associate Degree Nursing (A45110)
    Medical Assisting (A45400)
    Physical Therapist Assistant (A45620)
    Practical Nursing (Diploma) (D45660)
    Speech-Language Pathology Assistant (A45730)

Industrial Technologies
    Welding Technology (A50420)

Public Service Technologies
    Basic Law Enforcement Training (Certificate)
      (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Culinary Arts (A55150)
    Early Childhood Education (A55220)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    School Age Education (A55440)

Transport Systems Technologies
    Automotive Systems Technology (A60160)
    Diesel and Heavy Equipment Technology (A60460)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Engineering (A10500)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Agricultural and Natural Resources Technologies
        Greenhouse and Grounds Maintenance (Certificate)
          (C15220)
        Horticulture Technology (A15240)
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Programming (A25130)
        Information Systems Security (A25270)
        Medical Office Administration (A25310)
        Networking Technology (A25340)
        Office Administration (A25370)
        Paralegal Technology (A25380)
    Commercial and Artistic Production Technologies
        Advertising and Graphic Design (A30100)
        Gunsmithing (A30200)
    Construction Technologies
        Air Conditioning, Heating, and Refrigeration
          Technology (A35100)
    Health Sciences
        Associate Degree Nursing (A45110)
        Cardiovascular Sonography (A45160)
        Computed Tomography and Magnetic Resonance
          Imaging Technology (D45200)
        Emergency Medical Science (A45340)
        Interventional Cardiac and Vascular Technology
          (A45410)
        Magnetic Resonance Imaging (D45800)
        Medical Assisting (A45400)
        Medical Sonography (A45440)
        Nuclear Medicine Technology (A45460)
        Nurse Aide (Certificate) (C45840)
        Pharmacy Technology (A45580)
        Radiography (A45700)
        Therapeutic Massage (A45750)

Industrial Technologies
    Computer-Integrated Machining (A50210)
    Bioprocess Technology (A50440)
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)
Public Service Technologies
    Basic Law Enforcement Training (Certificate)
      (C55120)
    Community Spanish Interpreter (A55370)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Criminal Justice Technology/Latent Evidence
      (A5518A)
    Culinary Arts (A55150)
    Early Childhood Education (A55220)
    Esthetics Instructor (Certificate) (C55270)
    Fire Protection Technology (A55240)
    General Occupational Technology (GOT) (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    School-Age Care (Certificate) (C55450)
    School Age Education (A55440)
Transport Systems Technologies
    Diesel and Heavy Equipment Technology (A60460)
    Truck Driver Training (Certificate) (C60300)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)

College Transfer:
    Associate in Arts (A10100)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
    Horticulture Technology (A15240)
    Sustainable Agriculture (A15410)

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Global Logistics and Distribution Management Technology (A25610)
    Healthcare Management Technology (A25200)
    Medical Office Administration (A25310)
    Networking Technology (A25340)
    Office Administration (A25370)

Commercial and Artistic Production Technologies
    Graphic Arts and Imaging Technology (A30180)
    Gunsmithing (A30200)

Engineering Technologies
    Computer Engineering Technology (A40160)
    Industrial Engineering Technology (A40240)
    Mechanical Engineering Technology (A40320)
    Sustainability Technologies (A40370)

Health Sciences
    Associate Degree Nursing (A45110)
    Dental Assisting (Diploma) (D45240)
    Dental Hygiene (A45260)
    Dietetic Technician (A45310)
    Emergency Medical Science (A45340)
    Human Services Technology (A45380)
    Human Services Technology/Mental Health (A4538C)
    Human Services Technology/Social Services (A4538D)
    Licensed Practical Nurse Refresher (Certificate) (C45390)
    Medical Assisting (A45400)
    Polysomnography (A45670)
    Practical Nursing (Diploma) (D45660)
    Radiography (A45700)
    Surgical Technology (A45740)
    Therapeutic Massage (A45750)

Industrial Technologies
    Aerostructure Manufacturing and Repair (A50450)
    Computer-Integrated Machining (A50210)
    Industrial Management Technology (A50260)
    Welding Technology (A50420)

Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Culinary Arts (A55150)
    Early Childhood Education (A55220)
    Esthetics Technology (Certificate) (C55230)
    General Occupational Technology (A55280)
    Infant/Toddler Care (C55290)
    Occupational Education Associate (A55320)

Transport Systems Technologies
    Automotive Customizing Technology (A60190)
    Automotive Systems Technology (A60160)
    Aviation Management and Career Pilot Technology (A60180)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

**General Education:**
    Associate in General Education (A10300)
**College Transfer:**
    Associate in Arts (A10100)
    Associate in Science (A10400)
**Certificate, Diploma and/or Associate in Applied Science:**
    Agricultural and Natural Resources Technologies
        Equine Business Technology (A15170)
        Equine Training Technology (A15190)
    Biological and Chemical Technologies
        Biotechnology (A20100)
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Medical Office Administration (A25310)
        Office Administration (A25370)
    Construction Technologies
        Air Conditioning, Heating, and Refrigeration
          Technology (A35100)
        Commercial Refrigeration Technology (A35200)
        Electrical Systems Technology (A35130)
    Health Sciences
        Dental Assisting (Diploma) (D45240)
        Medical Assisting (A45400)
        Physical Therapist Assistant (A45620)
        Practical Nursing (Diploma) (D45660)
    Industrial Technologies
        Industrial Systems Technology (A50240)
    Public Service Technologies
        Cosmetology (A55140)
        Cosmetology Instructor (Certificate) (C55160)
        Early Childhood Education (A55220)
        Esthetics Instructor (Certificate) (C55270)
        Esthetics Technology (Certificate) (C55230)
        General Occupational Technology (A55280)
        Manicuring Instructor (Certificate) (C55380)
        Manicuring/Nail Technology (Certificate) (C55400)
        School Age Education (A55440)
    Transport Systems Technologies
        Automotive Systems Technology (A60160)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Agricultural and Natural Resources Technologies
        Horticulture Technology (A15240)
    Business Technologies
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Office Administration (A25370)
    Construction Technologies
        Carpentry (Diploma) (D35180)
        Electrical Systems Technology (A35130)
        Masonry (Diploma) (D35280)
    Engineering Technologies
        Applied Engineering Technology (A40130)
        Computer Engineering Technology (A40160)
        Electronics Engineering Technology (A40200)

Health Sciences
    Associate Degree Nursing (A45110)
    Emergency Medical Science (A45340)
    Human Services Technology (A45380)
    Medical Assisting (A45400)
    Nurse Aide (Certificate) (C45840)
Industrial Technologies
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)
Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Early Childhood Education (A55220)
    Esthetics Instructor (Certificate) (C55270)
    Esthetics Technology (Certificate) (C55230)
    General Occupational Technology (A55280)
    Manicuring Instructor (Certificate) (C55380)
    Manicuring/Nail Technology (Certificate) (C55400)
Transport Systems Technologies
    Collision Repair and Refinishing Technology (A60130)
    Small Engine and Equipment Repair (Diploma) (D60280)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

McDowell Technical Community College

http://www.mcdowelltech.edu/
Route 1, Box 170, Marion, North Carolina 28752
Telephone Number: (828) 652-6021
Fax Number: (828) 652-1014

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Computer Programming (A25130)
        Networking Technology (A25340)
        Office Administration (A25370)
        Real Estate (A25400)
        Web Technologies (A25290)
    Commercial and Artistic Production Technologies
        Advertising and Graphic Design (A30100)
        Photographic Technology (A30280)
    Construction Technologies
        Air Conditioning, Heating and Refrigeration Technology (Diploma) (D35100)
        Carpentry (Diploma) (D35180)
        Electrical Systems Technology (A35130)
    Health Sciences
        Associate Degree Nursing (A45110)
        Dialysis Technology (Diploma) (D45300)
        Health Information Technology (A45360)
        Nurse Aide (Certificate) (C45840)
        Practical Nursing (Diploma) (D45660)
        Surgical Technology (Diploma) (D45740)

Industrial Technologies
    Computer-Integrated Machining (A50210)
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)
Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Early Childhood Education (A55220)
    Esthetics Instructor (Certificate) (C55270)
    Esthetics Technology (Certificate) (C55230)
    General Occupational Technology (A55280)
    Manicuring Instructor (Certificate) (C55380)
    Manicuring/Nail Technology (Certificate) (C55400)
    School Age Education (A55440)
Transport Systems Technologies
    Automotive Systems Technology (A60160)
    Collision Repair and Refinishing Technology (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Engineering (A10500)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Agricultural and Natural Resources Technologies
        Agribusiness Technology (A15100)
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Computer Programming (A25130)
        Computer Technology Integration (A25500)
        Digital Media Technology (A25210)
        Healthcare Management Technology (A25200)
        Office Administration (A25370)
        Web Technologies (A25290)
    Construction Technologies
        Air Conditioning, Heating, and Refrigeration
          Technology (A35100)
        Electrical Systems Technology (A35130)
    Engineering Technologies
        Electronics Engineering Technology (A40200)
        Mechanical Engineering Technology (A40320)
        Mechatronics Engineering Technology (A40350)
    Health Sciences
        Associate Degree Nursing (A45110)
        Dietetic Technician (A45310)
        Health Information Technology (A45360)
        Human Services Technology (A45380)
        Medical Assisting (A45400)
        Medical Laboratory Technology (A45420)
        Nurse Aide (Certificate) (C45840)
        Phlebotomy (Certificate) (C45600)
        Speech Language Pathology Assistant (A45730)

Industrial Technologies
    Welding Technology (A50420)
Public Service Technologies
    Basic Law Enforcement Training (Certificate)
      (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Early Childhood Education (A55220)
    Esthetics Technology (Certificate) (C55230)
    Fire Protection Technology (A55240)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    Lateral Entry (Certificate) (C55430)
    Manicuring/Nail Technology (Certificate) (C55400)
    School Age Education (A55440)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
Associate in General Education (A10300)
College Transfer:
Associate in Arts (A10100)
Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
Agricultural and Natural Resources Technologies
Forestry Management Technology (A15200)
Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Computer Technology Integration (A25500)
Hunting and Shooting Sports Management (A25600)
Networking Technology (A25340)
Office Administration (A25370)
Office Administration/Legal (A2537A)
Commercial and Artistic Production Technologies
Gunsmithing (A30200)
Metal Engraving (Diploma) (D30240)
Professional Crafts: Clay (A30300)
Taxidermy (Diploma) (D30380)
Construction Technologies
Air Conditioning, Heating, and Refrigeration
    Technology (A35100)
Electrical Systems Technology (A35130)
Health Sciences
Dental Assisting (Diploma) (D45240)
Emergency Medical Science (A45340)
Human Services Technology (A45380)
Human Services Technology/ Developmental
    Disabilities (A4538A)
Medical Assisting (A45400)
Nurse Aide (Certificate) (C45840)
Practical Nursing (Diploma) (D45660)
Industrial Technologies
Industrial Systems Technology (A50240)
Welding Technology (A50420)
Public Service Technologies
Basic Law Enforcement Training (Certificate)
    (C55120)
Criminal Justice Technology (A55180)
Early Childhood Education (A55220)
General Occupational Technology (A55280)
Infant/Toddler Care (Certificate) (C55290)
Lateral Entry (Certificate) (C55430)
School-Age Care (Certificate) (C55450)
Transport Systems Technologies
Collision Repair and Refinishing Technology
    (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Nash Community College

General Education:
Associate in General Education (A10300)

College Transfer:
Associate in Arts (A10100)
Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
Brewing, Distillation and Fermentation (A15250)

Biological and Chemical Technologies
Biotechnology (A20100)

Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Global Logistics and Distribution Management Technology (A25610)
Healthcare Business Informatics (A25510)
Healthcare Management Technology (A25200)
Hospitality Management (A25110)
Information Systems Security (A25270)
Medical Office Administration (A25310)
Networking Technology (A25340)
Office Administration (A25370)
Office Administration/Legal (A2537A)
Simulation and Game Development (A25450)
Web Technologies (A25290)

Commercial and Artistic Production Technologies
Advertising and Graphic Design (A30100)

Construction Technologies
Electrical Systems Technology (A35130)
Electric Line Construction Technology (A35230)

Engineering Technologies
Architectural Technology (A40100)
Computer Engineering Technology (A40160)
Electronics Engineering Technology (A40200)

Health Sciences
Associate Degree Nursing (A45110)
Dental Assisting (Diploma) (D45240)
Dental Hygiene (A45260)
Human Services Technology (A45380)
Human Services Technology/Gerontology (A4538B)
Medical Assisting (A45400)
Medical Sonography (A45440)
Nuclear Medicine Technology (A45460)
Phlebotomy (Certificate) (C45600)
Physical Therapist Assistant (A45640)
Practical Nursing (Diploma) (D45660)

Industrial Technologies
Computer-Integrated Machining (A50210)
Industrial Systems (A50240)
Manufacturing Technology (A50320)
Welding Technology (A50420)

Public Service Technologies
Basic Law Enforcement Training (Certificate) (C55120)
Cosmetology (A55140)
Criminal Justice Technology (A55180)
Criminal Justice Technology/Latent Evidence (A5518A)
Culinary Arts (A55150)
Early Childhood Education (A55220)
Emergency Management (A55460)
Food Service Technology (Diploma) (D55250)
General Occupational Technology (A55280)

Transport Systems Technologies
Automotive Systems Technology (A60160)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Agricultural and Natural Resources Technologies
        Horticulture Technology (A15240)
    Biological and Chemical Technologies
        Biotechnology (A20100)
        Environmental Management Technology (A20230)
        Environmental Science Technology (A20140)
        Environmental Science Technology/
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Entrepreneurship (A25490)
        Healthcare Management Technology (A25200)
        Information Systems Security (A25270)
        Medical Office Administration (A25310)
        Networking Technology (A25340)
        Office Administration (A25370)
        Web Technologies (A25290)
    Construction Technologies
        Electrical Systems Technology (A35130)
        Electric Line Construction Technology (A35230)
    Health Sciences
        Electroneurodiagnostic Technology (A45320)
        Human Services Technology (A45380)
        Human Services Technology/Gerontology (A4538B)
        Human Services Technology/Substance Abuse
          (A4538E)
        Medical Assisting (A45400)
    Industrial Technologies
        Welding Technology (A50420)
    Public Service Technologies
        Cosmetology (A55140)
        Criminal Justice Technology (A55180)
        Early Childhood Education (A55220)
        Esthetics Instructor (Certificate) (C55270)
        Esthetics Technology (Certificate) (C55230)
        General Occupational Technology (A55280)
        Manicuring/Nail Technology (Certificate) (C55400)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
Associate in General Education (A10300)

College Transfer:
Associate in Arts (A10100)
Associate in Fine Arts (A10200)
Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Technology Integration (A25500)
Healthcare Management Technology (A25200)
Information Systems Technology (A25270)
Medical Office Administration (A25310)
Office Administration (A25370)
Office Administration/Legal (A2537A)

Commercial and Artistic Production Technologies
Digital Effects and Animation Technology (A30130)
Film and Video Production Technology (A30140)
Gunsmithing (Diploma) (D30210)

Construction Technologies
Carpentry (Diploma) (D35180)
Electrical Systems Technology (A35130)
Historic Preservation Technology (A35110)

Health Sciences
Associate Degree Nursing (A45110)
Health Care Technology (Certificate) (C45350)
Human Services Technology (A45380)
Human Services Technology/Gerontology (A4538B)
Human Services Technology/Social Services (A4538D)
Medical Assisting (A45400)
Nurse Aide (Certificate) (C45840)
Phlebotomy (Certificate) (C45600)

Industrial Technologies
Electrical Power Production Technology (A50130)
Industrial Systems Technology (A50240)
Welding Technology (A50420)

Public Services Technology
Cosmetology (A55140)
Cosmetology Instructor (Certificate) (C55160)
Criminal Justice Technology (A55180)
Early Childhood Education (A55220)
General Occupational Technology (A55280)
Infant/Toddler Care (Certificate) (C55290)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Pitt Community College

General Education:
Associate in General Education (A10300)

College Transfer:
Associate in Arts (A10100)
Associate in Engineering (A10500)
Associate in Fine Arts (A10200)
Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
Horticulture Technology (A15240)

Biological and Chemical Technologies
Biotechnology (A20100)

Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Computer Programming (A25130)
Entrepreneurship (A25490)
Healthcare Business Informatics (A25510)
Healthcare Management Technology (A25200)
Medical Office Administration (A25310)
Networking Technology (A25340)
Office Administration (A25370)
Office Administration/Legal (A2537A)
Paralegal Technology (A25380)
Simulation and Game Development (A25450)
Web Technologies (A25290)

Commercial and Artistic Production Technologies
Advertising and Graphic Design (A30100)

Construction Technologies
Air Conditioning, Heating, and Refrigeration Technology (A35100)
Building Construction Technology (A35140)
Electrical Systems Technology (A35130)

Engineering Technologies
Architectural Technology (A40100)
Electronics Engineering Technology (A40200)
Mechanical Engineering Technology (A40320)

Health Sciences
Associate Degree Nursing (A45110)
Breast Sonography (Certificate) (C45490)
Cardiovascular Sonography (A45160)
Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) (D45200)
Emergency Medical Science (A45340)
Health Information Technology (A45360)
Human Services Technology (A45380)
Human Services Technology/Gerontology (A4538B)
Human Services Technology/Substance Abuse (A4538E)
Mammography (C45830)
Medical Assisting (A45400)
Medical Dosimetry (Diploma) (D45450)
Medical Sonography (A45440)
Nuclear Medicine Technology (A45460)
Nurse Aide (Certificate) (C45840)
Occupational Therapy Assistant (A45500)
Phlebotomy (Certificate) (C45600)
Polysomnography (Certificate) (C45650)
Polysomnography (A45670)
Positron Emission Tomography (Diploma) (D45820)
Radiation Therapy Technology (A45680)
Radiography (A45700)
Recreational Therapy Assistant (A45150)
Respiratory Therapy (A45720)
Therapeutic Massage (A45750)

Industrial Technologies
Computer-Integrated Machining (A50210)
Industrial Systems Technology (A50240)
Industrial Management Technology (A50260)
Welding Technology (A50420)

Public Service Technologies
Basic Law Enforcement Training (Certificate) (C55120)
Cosmetology (A55140) (Contract)
Criminal Justice Technology (A55180)
Criminal Justice Technology/Financial Crime/Computer Fraud (A5518B)
Early Childhood Education (A55220)
General Occupational Technology (A55280)

Transport Systems Technologies
Alternative Transportation Technology (Diploma) (D60420)
Automotive Light-Duty Diesel Technology (Diploma) (D60430)
Automotive Systems Technology (A60160)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Randolph Community College

http://www.randolph.edu/
P O Box 1009, Asheboro, NC 27204-1009
Telephone Number: (336) 633-0200
Fax Number: (336) 629-4695

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Computer Technology Integration (A25500)
        Entreprenuership (A25490)
        Global Logistics and Distribution Management
          Technology (A25610)
        Healthcare Management Technology (A25200)
        Medical Office Administration (A25310)
        Networking Technology (A25340)
        Office Administration (A25370)
        Real Estate Appraisal (A25420)
    Commercial and Artistic Production Technologies
        Advertising and Graphic Design (A30100)
        Interior Design (A30220)
        Photographic Technology (A30280)
        Photographic Technology/Biocommunications
          Photography (A3028A)
        Photographic Technology/Commercial Photography
          (A3028B)
        Photographic Technology/Photojournalism (A3028C)
        Photographic Technology/Portrait Studio
          Management (A3028D)
    Construction Technologies
        Electrical Systems Technology (A35130)
    Engineering Technologies
        Industrial Engineering Technology (A40240)
        Mechatronics Engineering Technology (A40350)

Health Sciences
    Associate Degree Nursing (A45110)
    Central Sterile Processing (Certificate) (C45180)
    Health Care Technology (Certificate) (C45350)
    Human Services Technology (A45380)
    Medical Assisting (A45400)
    Nurse Aide (Certificate) (C45840)
    Phlebotomy (Certificate) (C45600)
    Physical Therapist Assistant (A45640)
    Radiography (A45700)
Industrial Technologies
    Computer-Integrated Machining (A50210)
    Facility Maintenance Technology (A50190)
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)
Public Service Technologies
    Basic Law Enforcement Training (Certificate)
      (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Early Childhood Education (A55220)
    Funeral Service Education (A55260)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    Manicuring/Nail Technology (Certificate) (C55400)
Transport Systems Technologies
    Alternative Transportation Technology (Diploma)
      (D60420)
    Automotive Light-Duty Diesel Technology
      (Diploma) (D60430)
    Automotive Systems Technology (A60160)
    Collision Repair and Refinishing Technology
      (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

College Transfer:
Associate in Arts (A10100)
Associate in Engineering (A10500)
Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Healthcare Business Informatics (A25510)
Healthcare Management Technology (A25200)
Office Administration (A25370)

Construction Technologies
Air Conditioning, Heating, and Refrigeration Technology (A35100)
Electrical Systems Technology (A35130)

Engineering Technologies
Computer Engineering Technology (A40160)
Electronics Engineering Technology (A40200)
Mechanical Engineering Technology (A40320)
Mechatronics Engineering Technology (A40350)

Health Sciences
Associate Degree Nursing (A45110)
Dialysis Technology (Diploma) (D45300)
Health Information Technology (A45360)
Human Services Technology (A45380)
Medical Assisting (A45400)
Nurse Aide (Certificate) (C45840)
Practical Nursing (Diploma) (D45660)

Industrial Technologies
Computer-Integrated Machining (A50210)
Electric Utility Substation and Relay Technology (A50510)
Industrial Systems Technology (A50240)
Welding Technology (A50420)

Public Service Technologies
Criminal Justice Technology (A55180)
Early Childhood Education (A55220)
Infant/Toddler Care (Certificate) (C55290)
Lateral Entry (Certificate) (C55430)
School Age Education (A55440)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Biological and Chemical Technologies
        Biotechnology (A20100)
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Medical Office Administration (A25310)
        Office Administration (A25370)
        Web Technologies (A25290)
    Construction Technologies
        Air Conditioning, Heating, and Refrigeration
          Technology (A35100)
        Plumbing (Diploma) (D35300)
    Engineering Technologies
        Architectural Technology (A40100)
    Health Sciences
        Associate Degree Nursing (A45110)
        Dental Assisting (Diploma) (D45240)
        Health Care Technology (Certificate) (C45350)
        Human Services Technology (A45380)
        Human Services Technology/Mental Health (A4538C)
        Nurse Aide (Certificate) (C45840)
    Industrial Technologies
        Industrial Systems Technology (A50240)
        Welding Technology (A50420)
    Public Service Technologies
        Barbering (Diploma) (D55110)
        Cosmetology (A55140)
        Criminal Justice Technology (A55180)
        Early Childhood Education (A55220)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Medical Office Administration (A25310)
        Networking Technology (A25340)
        Office Administration (A25370)
    Construction Technologies
        Air Conditioning, Heating, and Refrigeration
          Technology (A35100)
        Carpentry (Diploma) (D35180)
        Electrical Systems Technology (A35130)
    Health Sciences
        Associate Degree Nursing (A45110)
        Emergency Medical Science (A45340)
        Medical Assisting (A45400)
        Nurse Aide (Certificate) (C45840)
        Practical Nursing (Diploma) (D45660)
        Radiography (A45700)
        Respiratory Therapy (A45720)
        Surgical Technology (Diploma) (D45740)
    Industrial Technologies
        Industrial Systems Technology (A50240)
        Welding Technology (A50420)
    Public Service Technologies
        Baking and Pastry Arts (A55130)
        Basic Law Enforcement Training (Certificate)
          (C55120)
        Cosmetology (A55140)
        Criminal Justice Technology (A55180)
        Culinary Arts (A55150)
        Early Childhood Education (A55220)
        Esthetics Technology (Certificate) (C55230)
        General Occupational Technology (A55280)
        Manicuring/Nail Technology (Certificate) (C55400)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Rockingham Community College

http://www.rockinghamcc.edu/
PO Box 38, Wentworth, NC 27375-0038
Telephone Number: (336) 342-4261
Fax Number: (336) 349-9986

College Transfer:
    Associate in Arts (A10100)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science
    Agricultural and Natural Resources Technologies
        Brewing, Distillation and Fermentation (A15250)
        Horticulture Technology (A15240)
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Medical Office Administration (A25310)
        Office Administration (A25370)
    Commercial and Artistic Production Technologies
        Photographic Technology (A30280)
        Professional Arts and Crafts: Sculpture (A30290)
        Professional Crafts: Clay (A30300)
    Construction Technologies
        Air Conditioning, Heating, and Refrigeration Technology (A35100)
        Electrical Systems Technology (A35130)

Engineering Technologies
    Electronics Engineering Technology (A40200)
Health Sciences
    Associate Degree Nursing (A45110)
    Phlebotomy (Certificate) (C45600)
    Physical Therapist Assistant (1 + 1)
    Practical Nursing (Diploma) (D45660)
    Respiratory Therapy (A45720)
    Surgical Technology (A45740)
Industrial Technologies
    Computer-Integrated Machining (A50210)
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)
Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Criminal Justice Technology (A55180)
    Criminal Justice Technology/Financial Crime/Computer Fraud (A5518B)
    Early Childhood Education (A55220)
    Emergency Management (A55460)
    Fire Protection Technology (A55240)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Rowan-Cabarrus Community College

http://www.rowancabarrus.edu/
Post Office Box 1595, Salisbury, North Carolina 28145-1595
Telephone Number: (704) 637-0760
Fax Number: (704) 637-3692

General Education:
    Associate in General Education (A10300)

College Transfer:
    Associate in Arts (A10100)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Biological and Chemical Technologies
    Biotechnology (A20100)

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Computer Technology Integration (A25500)
    Information Systems Security (A25270)
    Medical Office Administration (A25310)
    Networking Technology (A25340)
    Office Administration (A25370)
    Paralegal Technology (A25380)
    Web Technologies (A25290)

Commercial and Artistic Production Technologies
    Advertising and Graphic Design (A30100)

Construction Technologies
    Air Conditioning, Heating, and Refrigeration Technology (A35100)
    Construction Management Technology (A35190)
    Electrical Systems Technology (A35130)

Engineering Technologies
    Electronics Engineering Technology (A40200)
    Industrial Engineering Technology (A40240)
    Mechanical Engineering Technology (A40320)

Health Sciences
    Associate Degree Nursing (A45110)
    Dental Assisting (Diploma) (D45240)
    Emergency Medical Science (A45340)
    Health and Fitness Science (A45340)
    Health Information Technology (A45360)
    Nurse Aide (Certificate) (C45840)
    Occupational Therapist Assistant (A45500)
    Physical Therapist Assistant (2 Year Program) (A45620)
    Practical Nursing (Diploma) (D45660)
    Radiography (A45700)
    Therapeutic Massage (A45750)

Industrial Technologies
    Computer-Integrated Machining (A50210)
    Mechanical Drafting Technology (A50340)
    Welding Technology (A50420)

Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Early Childhood Education (A55220)
    Emergency Management (A55460)
    Esthetics Technology (Certificate) (C55230)
    Fire Protection Technology (A55240)
    Infant/Toddler Care (Certificate) (C55290)
    Manicuring/Nail Technology (Certificate) (C55400)
    School Age Education (A55440)

Transport Systems Technologies
    Automotive Systems Technology (A60160)
    Motorsports Management Technology (A60270)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

http://www.sampsoncc.edu/
Post Office Drawer 318, Clinton, North Carolina 28328
Telephone Number: (910) 592-8081
Fax Number: (910) 592-8048

General Education:
Associate in General Education (A10300)
College Transfer:
Associate in Arts (A10100)
Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Agricultural and Natural Resources Technologies
        Applied Animal Science Technology (A15280)
        Horticulture Technology (A15240)
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Information System Security (A25270)
        Medical Office Administration (A25310)
        Networking Technology (A25340)
        Office Administration (A25370)
        Real Estate (A25400)
    Construction Technologies
        Building Construction Technology (A35140)
    Health Sciences
        Associate Degree Nursing (A45110)
        Health Care Technology (Certificate) (C45350)
        Human Services Technology (A45380)
        Nurse Aide (Certificate) (C45840)
        Practical Nursing (Diploma) (D45660)
    Industrial Technologies
        Industrial Systems Technology (A50240)
        Welding Technology (A50420)
    Public Service Technologies
        Basic Law Enforcement Training (Certificate)
          (C55120)
        Community Spanish Interpreter (A55370)
        Cosmetology (A55140)
        Cosmetology Instructor (Certificate) (C55160)
        Criminal Justice Technology (A55180)
        Early Childhood Education (A55220)
        Esthetics Technology (Certificate) (C55230)
        General Occupational Technology (A55280)
        Manicuring Instructor (Certificate) (C55380)
        Manicuring/Nail Technology (Certificate) (C55400)
        School Age Education (A55440)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

http://www.sandhills.edu/
2200 Airport Road, Pinehurst, North Carolina 28374
Telephone Number: (910) 692-6185
Fax Number: (910) 695-1823

General Education:
  Associate in General Education (A10300)
College Transfer:
  Associate in Arts (A10100)
  Associate in Engineering (A10500)
  Associate in Fine Arts (A10200)
  Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
  Agricultural and Natural Resources Technologies
    Golf Course Management Technology (A15230)
    Landscape Gardening (A15260)
    Turfgrass Management Technology (A15420)
  Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Digital Media Technology (A25210)
    Hospitality Management (A25110)
    Medical Office Administration (A25310)
    Networking Technology (A25340)
    Office Administration (A25370)
    Simulation and Game Development (A25450)
    Web Technologies (A25290)
  Engineering Technologies
    Architectural Technology (A40100)
    Civil Engineering Technology (A40140)
    Computer Engineering Technology (A40160)
    Geomatics Technology (A40420)

Health Sciences
  Associate Degree Nursing (A45110)
  Emergency Medical Science (A45340)
  Health and Fitness Science (A45630)
  Health Information Technology (A45360)
  Human Services Technology (A45380)
  Human Services Technology/Substance Abuse
    (A4538E)
  Medical Laboratory Technology (A45420)
  Nurse Aide (Certificate) (C45840)
  Ophthalmic Medical Assistant (Diploma) (D45510)
  Polysomnography (A45670)
  Practical Nursing (Diploma) (D45660)
  Radiography (A45700)
  Respiratory Therapy (A45720)
  Surgical Technology (A45740)
  Therapeutic Massage (A45750)
Industrial Technologies
  Industrial Systems Technology (A50240)
Public Service Technologies
  Baking and Pastry Arts (A55130)
  Basic Law Enforcement Training (Certificate)
    (C55120)
  Cosmetology (A55140)
  Cosmetology Instructor (Certificate) (C55160)
  Criminal Justice Technology (A55180)
  Culinary Arts (A55150)
  Early Childhood Education (A55220)
  Esthetics Instructor (Certificate) (C55270)
  Esthetics Technology (Certificate) (C55230)
  General Occupational Technology (A55280)
  Manicuring/Nail Technology (Certificate) (C55400)
  Resort and Spa Management (A55410)
Transport Systems Technologies
  Automotive Systems Technology (A60160)
  Collision Repair and Refinishing Technology
    (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)

College Transfer:
    Associate in Arts (A10100)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:
    Agricultural and Natural Resources Technologies
        Agribusiness Technology (A15100)
    Biological and Chemical Technologies
        Biotechnology (A20100)
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Computer Technology Integration (A25500)
        Entrepreneurship (A25490)
        Medical Office Administration (A25310)
        Paralegal Technology (A25380)
        Simulation and Game Development (A25450)
        Web Technologies (A25290)
    Commercial and Artistic Production Technologies
        Advertising and Graphic Design (A30100)
    Construction Technologies
        Air Conditioning, Heating, and Refrigeration
          Technology (A35100)
        Electrical Systems Technology (A35130)
    Engineering Technologies
        Mechanical Engineering Technology (A40320)
        Mechatronics Engineering Technology (A40350)

Health Science
    Associate Degree Nursing (A45110)
    Cardiovascular Sonography (A45160)
    Emergency Medical Science (A45340)
    Human Services Technology (A45380)
    Licensed Practical Nurse Refresher (Certificate)
      (C45390)
    Medical Assisting (A45400)
    Medical Sonography (A45440)
    Musculoskeletal Sonography (Certificate) (C45850)
    Nurse Aide (Certificate) (C45840)
    Practical Nursing (Diploma) (D45660)
    Therapeutic Massage (A45750)

Industrial Technologies
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)

Public Service Technologies
    Baking and Pastry Arts (A55130)
    Basic Law Enforcement Training (Certificate)
      (C55120)
    Criminal Justice Technology (A55180)
    Culinary Arts (A55150)
    Cyber Crime Technology (A55210)
    Early Childhood Education (A55220)
    Fire Protection Technology (A55240)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    School Age Education (A55440)

Transport Systems Technologies
    Automotive Systems Technology (A60160)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
Associate in General Education (A10300)
College Transfer:
Associate in Arts (A10100)
Associate in Fine Arts (A10200)
Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
Agricultural and Natural Resources Technologies
Forestry Management Technology (A15200)
Sustainable Agriculture (A15410)
Biological and Chemical Technologies
Agricultural Biotechnology (A20110)
Environmental Science Technology (A20140)
Invasive Species Management Technology (A20240)
Business Technologies
Business Administration (A25120)
Computer Information Technology (A25260)
Office Administration (A25370)
Web Technologies (A25290)
Commercial and Artistic Production Technology
Broadcasting and Production Technology (A30120)
Construction Technologies
Air Conditioning, Heating, and Refrigeration Technology (A35100)
Electrical Systems Technology (A35130)
Masonry (D35280)
Plumbing (D35300)

Engineering Technologies
Electrical Engineering Technology (A40180)
Sustainability Technologies (A40370)
Health Sciences
Associate Degree Nursing (A45110)
Medical Laboratory Technology (A45420)
Nurse Aide (Certificate) (C45840)
Pharmacy Technology (A45580)
Phlebotomy (Certificate) (C45600)
Practical Nursing (Diploma) (D45660)
Therapeutic Massage (A45750)
Industrial Technologies
Facility Maintenance Technology (A50190)
Welding Technology (A50420)
Public Service Technologies
Basic Law Enforcement Training (Certificate) (C55120)
Cosmetology (A55140)
Cosmetology Instructor (Certificate) (C55160)
Criminal Justice Technology (A55180)
Early Childhood Education (A55220)
Lateral Entry (Certificate) (C55430)
Manicuring/Nail Technology (Certificate) (C55400)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Biological and Chemical Technologies
        Environmental Science Technology (A20140)
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Entrepreneurship (A25490)
        Gaming Management (A25250)
        Hospitality Management (A25110)
        Medical Office Administration (A25310)
        Medical Transcription (Diploma) (D25320)
        Networking Technology (A25340)
        Office Administration (A25370)
        Office Administration/Legal (A2537A)
        Office Administration/Virtual Office Assistance (A2537B)
        Paralegal Technology (A25380)
        Real Estate (A25400)
        Real Estate Licensing (Certificate) (C25480)
        Web Technologies (A25290)
    Commercial and Artistic Production Technologies
        Advertising and Graphic Design (A30100)
    Construction Technologies
        Air Conditioning, Heating, and Refrigeration Technology (A35100)
        Building Construction Technology (A35140)
        Carpentry (Diploma) (D35180)
        Electrical Systems Technology (A35130)
        Masonry (Diploma) (D35280)
        Plumbing (Diploma) (D35300)
    Engineering Technologies
        Civil Engineering Technology (A40140)
        Computer Engineering Technology (A40160)
        Electronics Engineering Technology (A40200)
        Geomatics Technology (A40420)
        Mechatronics Engineering Technology (A40350)
        Sustainability Technology (A40370)

Health Sciences
    Associate Degree Nursing (A45110)
    Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) (D45200)
    Emergency Medical Science (A45340)
    Health Information Technology (A45360)
    Human Services Technology (A45380)
    Human Services Technology/Substance Abuse (A4538E)
    Medical Assisting (A45400)
    Medical Laboratory Technology (A45420)
    Medical Sonography (A45440)
    Nurse Aide (Certificate) (C45840)
    Occupational Therapy Assistant (A45500)
    Phlebotomy (Certificate) (C45600)
    Physical Therapist Assistant (A45620)
    Radiography (A45700)
    Respiratory Therapy (A45720)
    Therapeutic Massage (A45750)
Industrial Technologies
    Welding Technology (A50420)
Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Criminal Justice Technology/Latent Evidence (A5518A)
    Culinary Arts (A55150)
    Cyber Crime Technology (A55210)
    Early Childhood Education (A55220)
    Esthetics Technology (Certificate) (C55230)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    Manicuring Instructor (Certificate) (C55380)
    Manicuring/Nail Technology (Certificate) (C55400)
    Occupational Education Associate (A55320)
    Outdoor Leadership (A55330)
    School Age Education (A55440)
Transport Systems Technology
    Automotive Systems Technology (A60160)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
Associate in General Education (A10300)

College Transfer:
Associate in Arts (A10100)
Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Computer Programming (A25130)
Computer Technology Integration (A25500)
Information Systems Security (A25270)
Networking Technology (A25340)
Simulation and Game Development (A25450)
Web Technologies (A25290)

Commercial and Artistic Production Technologies
Advertising and Graphic Design (A30100)

Construction Technologies
Air Conditioning, Heating, and Refrigeration Technology (Diploma) (D35100)
Heavy Equipment Operator (Diploma) (D35240)

Engineering Technologies
Computer Engineering Technology (A40160)
Electronics Engineering Technology (A40200)
Telecommunications and Network Engineering Technology (A40400)

Health Sciences
Associate Degree Nursing (A45110)
Cardiovascular/Vascular Interventional Technology (Diploma) (D45140)
Emergency Medical Science (A45340)
Human Services Technology (A45380)
Human Services Technology/Developmental Disabilities (A4538A)
Medical Assisting (A45400)
Medical Laboratory Technology (A45420)
Nurse Aide (Certificate) (C45840)
Pharmacy Technology (A45580)
Radiography (A45700)
Respiratory Therapy (A45720)

Industrial Technologies
Biomedical Equipment Technology (A50100)
Computer Integrated Machining (Diploma) (D50210)
Industrial Systems Technology (A50240)
Welding Technology (D50420)

Public Service Technologies
Basic Law Enforcement Training (Certificate) (C55120)
Cosmetology (A55140)
Cosmetology Instructor (Certificate) (C55160)
Criminal Justice Technology (A55180)
Culinary
Cyber Crime Technology (A55210)
Early Childhood Education (A55220)
Esthetics Instructor (Certificate) (C55270)
Esthetics Technology (Certificate) (C55230)
General Occupational Technology (A55280)
Infant/Toddler Care (C55290)
Lateral Entry (Certificate) (C55430)
Manicuring Instructor (Certificate) (C55380)
Manicuring/Nail Technology (Certificate) (C55400)
School-Age Care (C55450)
School Age Education (A55440)

Transport Systems Technologies
Automotive Systems Technology (A60160)
Collision Repair and Refinishing Technology (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)

College Transfer:
    Associate in Arts (A10100)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
    Horticulture Technology (A15240)
    Viticulture and Enology Technology (A15430)

Biological and Chemical Technologies
    Biotechnology (A20100)

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Programming (A25130)
    Digital Media Technology (A25210)
    Entrepreneurship (A25490)
    Information Systems Security (A25270)
    Medical Office Administration (A25310)
    Networking Technology (A25340)
    Office Administration (A25370)
    Paralegal Technology (A25380)
    Real Estate Appraisal (A25420)
    Web Technologies (A25290)

Commercial and Artistic Production Technologies
    Advertising and Graphic Design (A30100)

Construction Technologies
    Air Conditioning, Heating, & Refrigeration Technology (A35100)
    Carpentry (Diploma) (D35180)
    Construction Management Technology (A35190)
    Electrical Systems Technology (A35130)

Engineering Technologies
    Electronics Engineering Technology (A40200)
    Mechatronics Engineering Technology (A40350)
    Sustainability Technologies (A40370)

Health Sciences
    Associate Degree Nursing (A45110)
    Dental Assisting (Diploma) (D45240)
    Dental Hygiene (A45260)
    Medical Assisting (A45400)
    Nurse Aide (Certificate) (C45840)
    Physical Therapist Assistant (2-Year) (A45620)
    Polysomnography (A45670)
    Practical Nursing (Diploma) (D45660)
    Speech-Language Pathology Assistant (A45730)

Industrial Technologies
    Computer-Integrated Machining (A50210)
    Industrial Systems Technology (A50240)
    Mechanical Drafting Technology (A50340)
    Welding Technology (A50420)

Public Service Technologies
    Community Spanish Interpreter (A55370)
    Cosmetology (A55140)
    Criminal Justice Technology (A55180)
    Criminal Justice Technology/Latent Evidence (A5518A)
    Early Childhood Education (A55220)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)

Transport Systems Technologies
    Automotive Systems Technology (A60160)
    Collision Repair and Refinishing Technology (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Entrepreneurship (A25490)
        Healthcare Management Technology (A25200)
        Hospital Management (A25110)
        Hunting and Shooting Sports Management (A25600)
        Medical Office Administration (A25310)
        Networking Technology (A25340)
        Office Administration (A25370)
        Office Administration/Legal (A2537A)
        Real Estate Licensing (Certificate) (C25480)
        Web Technologies (A25290)
    Construction Technologies
        Air Conditioning, Heating, and Refrigeration
          Technology (A35100)
        Building Construction Technology (A35140)
        Electrical Systems Technology (A35130)
    Engineering Technologies
        Electrical Engineering Technology (A40180)

Health Sciences
    Associate Degree Nursing (A45110)
    Emergency Medical Science (A45340)
    Human Services Technology (A45380)
    Human Services Technology/Animal Assisted
      Interactions (A4538F)
    Human Services Technology/Social Services (A4538D)
    Medical Assisting (A45400)
    Therapeutic Massage (A45750)
Industrial Technologies
    Computer-Integrated Machining (A50210)
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)
Public Service Technologies
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Culinary Arts (A55150)
    Early Childhood Education (A55220)
    Esthetics Instructor (Certificate) (C55270)
    Esthetics Technology (Certificate) (C55230)
    General Occupational Technology (A55280)
    Manicuring/Nail Technology (C55400)
    School Age Education (A55440)
Transport Systems Technologies
    Automotive Systems Technology (A60160)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Vance-Granville Community College

http://www.vgcc.edu/
Post Office Box 917, Henderson, North Carolina 27536
Telephone Number: (252) 492-2061
Fax Number: (252) 430-0460

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Computer Programming (A25130)
        Computer Technology Integration (A25500)
        Entrepreneurship (A25490)
        Global Logistics and Distribution Management Technology (A25610)
        Information Systems Security (A25270)
        Medical Office Administration (A25310)
        Networking Technology (A25340)
        Office Administration (A25370)
        Office Administration/Legal (A2537A)
        Paralegal Technology (A25380)
        Simulation and Game Development (A25450)
        Web Technologies (A25290)
    Construction Technologies
        Air Conditioning, Heating, and Refrigeration Technology (A35100)
        Carpentry (Diploma) (D35180)
        Electrical Systems Technology (A35130)
    Engineering Technologies
        Electronics Engineering Technology (A40200)
        Mechatronics Engineering Technology (A40350)
        Sustainability Technologies (A40370)
    Health Sciences
        Associate Degree Nursing (A45110)
        Computed Tomography and Magnetic Resonance Imaging Technology (D45200)
        Human Services Technology (A45380)
        Human Services Technology/Gerontology (A4538B)
        Human Services Technology/Mental Health (A4538C)
        Human Services Technology/Substance Abuse (A4538E)
        Magnetic Resonance Imaging (A45800)
        Medical Assisting (A45400)
        Nurse Aide (Certificate) (C45840)
        Pharmacy Technology (A45580)
        Practical Nursing (Diploma) (D45660)
        Radiography (A45700)

Industrial Technologies
    Bioprocess Technology (A50440)
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)
Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Cosmetology (A55140)
    Cosmetology Instructor (Certificate) (C55160)
    Criminal Justice Technology (A55180)
    Culinary Arts (A55150)
    Early Childhood Education (A55220)
    Infant/Toddler Care (Certificate) (C55290)
    Lateral Entry (Certificate) (C55430)
    Manicuring/Nail Technology (Certificate) (C55400)
    School-Age Care (Certificate) (C55450)
    School Age Education (A55440)
Transport Systems Technologies
    Automotive Systems Technology (A60160)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Wake Technical Community College

http://www.waketech.edu/
9101 Fayetteville Road, Raleigh, North Carolina 27603
Telephone Number: (919) 662-3400
Fax Number: (919) 779-3360

General Education:
   College Transfer:
   Associate in Arts (A10100)
   Associate in Engineering (A10500)
   Associate in Fine Arts (A10200)
   Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science
   Biological and Chemical Technologies
      Biopharmaceutical Technology (A20180)
      Environmental Science Technology (A20140)
   Business Technologies
      Accounting (A25100)
      Business Administration (A25120)
      Business Analytics (A25350)
      Computer Information Technology (A25260)
      Computer Programming (A25130)
      Computer Technology Integration (A25500)
      Database Management (A25150)
      Global Logistics and Distribution Management Technology (A25610)
      Hospitality Management (A25110)
      Information Systems Security (A25270)
      Medical Office Administration (A25310)
      Networking Technology (A25340)
      Office Administration (A25370)
      Office Administration/Legal (A2537A)
      Simulation and Game Development (A25450)
      Web Technologies (A25290)
   Commercial and Artistic Production Technologies
      Advertising and Graphic Design (A30100)
      Interior Design (A30220)
   Construction Technologies
      Air Conditioning, Heating, and Refrigeration Technology (A35100)
      Construction Management Technology (A35190)
      Electrical Systems Technology (A35130)
      Electric Line Construction Technology (A35230)
      Heavy Equipment Operator (Diploma) (D35240)
      Plumbing (Diploma) (D35300)
   Engineering Technologies
      Architectural Technology (A40100)
      Civil Engineering Technology (A40140)
      Computer Engineering Technology (A40160)
      Electronics Engineering Technology (A40200)
      Geomatics Technology (A40420)
      Industrial Engineering Technology (A40240)
      Landscape Architecture Technology (A40260)
      Mechanical Engineering Technology (A40320)

Health Sciences
   Associate Degree Nursing (A45110)
   Computed Tomography/Magnetic Resonance Imaging Technology (Diploma) (D45200)
   Dental Assisting (Diploma) (D45240)
   Dental Hygiene (A45260)
   Emergency Medical Science (A45340)
   Health and Fitness Science (A45630)
   Human Services Technology (A45380)
   Human Services Technology/Mental Health (A4538C)
   Human Services Technology/Substance Abuse (A4538E)
   Magnetic Resonance Imaging (A45800)
   Medical Assisting (A45400)
   Medical Laboratory Technology (A45420)
   Nurse Aide (Certificate) (C45840)
   Pharmacy Technology (A45580)
   Phlebotomy (Certificate) (C45600)
   Radiography (A45700)
   Surgical Technology (A45740)
   Therapeutic Massage (A45750)
Industrial Technologies
   Computer-Integrated Machining (A50210)
   Mechanical Drafting Technology (A50340)
   Welding Technology (A50420)
Public Service Technologies
   Baking and Pastry Arts (A55130)
   Basic Law Enforcement Training (Certificate) (C55120)
   Cosmetology (A55140)
   Criminal Justice Technology (A55180)
   Criminal Justice Technology/Latent Evidence (A5518A)
   Culinary Arts (A55150)
   Early Childhood Education (A55220)
   Esthetics Technology (Certificate) (C55230)
   Fire Protection Technology (A55240)
   General Occupational Technology (A55280)
   Infant/Toddler Care (C55290)
   Lateral Entry (Certificate) (C55430)
Transport Systems Technologies
   Agricultural Systems Technology (A60410)
   Automotive Systems Technology (A60160)
   Collision Repair and Refinishing Technology (A60130)
   Construction Equipment Systems Technology (A60450)
   Diesel and Heavy Equipment Technology (A60460)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Wayne Community College

General Education:
   Associate in General Education (A10300)
College Transfer:
   Associate in Arts (A10100)
   Associate in Science (A10400)
Certificate, Diploma, and/or Associate in Applied Science:
   Agricultural and Natural Resources Technologies
      Agribusiness Technology (A15100)
      Applied Animal Science Technology (A15280)
      Forestry Management Technology (A15200)
      Sustainable Agriculture (A15410)
      Turfgrass Management Technology (A15420)
   Business Technologies
      Accounting (A25100)
      Business Administration (A25120)
      Computer Information Technology (A25260)
      Healthcare Management Technology (A25200)
      Medical Office Administration (A25310)
      Networking Technology (A25340)
      Office Administration (A25370)
      Simulation and Game Development (A25450)
   Construction Technologies
      Air Conditioning, Heating, and Refrigeration
         Technology (A35100)
   Engineering Technologies
      Electronics Engineering Technology (A40200)
      Mechanical Engineering Technology (A40320)
      Mechatronics Engineering Technology (A40350)
      Sustainability Technologies (A40370)

Health Sciences
   Associate Degree Nursing (A45110)
   Dental Assisting (Diploma) (D45240)
   Dental Hygiene (A45260)
   Human Services Technology (A45380)
   Human Services Technology/Developmental
      Disabilities (A4538A)
   Medical Assisting (A45400)
   Medical Laboratory Technology (A45420)
   Nurse Aide (Certificate) (C45840)
   Pharmacy Technology (A45580)
   Phlebotomy (Certificate) (C45600)
   Practical Nursing (Diploma) (D45660)
Industrial Technologies
   Computer-Integrated Machining (A50210)
   Industrial Systems Technology (A50240)
   Welding Technology (A50420)
Public Service Technologies
   Basic Law Enforcement Training (Certificate)
      (C55120)
   Criminal Justice Technology (A55180)
   Criminal Justice Technology/Latent Evidence
      (A5518A)
   Early Childhood Education (A55220)
   Emergency Management (A55460)
   General Occupational Technology (A55280)
   Infant/Toddler Care (Certificate) (C55290)
   School Age Education (A55440)
Transport Systems Technologies
   Automotive Systems Technology (A60160)
   Aviation Systems Technology (A60200)
   Collision Repair and Refinishing Technology
      (A60130)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)
College Transfer:
    Associate in Arts (A10100)
    Associate in Fine Arts (A10200)
    Associate in Science (A10400)
Certificate, Diploma and/or Associate in Applied Science:
    Agricultural and Natural Resources Technologies
        Horticulture Technology (A15240)
        Sustainable Agriculture (A15410)
    Biological and Chemical Technologies
        Environmental Science Technology (A20140)
    Business Technologies
        Accounting (A25100)
        Business Administration (A25120)
        Computer Information Technology (A25260)
        Medical Office Administration (A25310)
        Office Administration (A25370)
        Paralegal Technology (A25380)
        Simulation and Game Development (A25450)
    Commercial and Artistic Production Technologies
        Digital Effects and Animation Technology (A30130)
        Professional Arts and Crafts: Sculpture (A30290)
        Professional Crafts: Clay (A30300)
        Professional Crafts: Wood (A30360)
    Construction Technologies
        Building Construction Technology (A35140)

Engineering Technologies
    Civil Engineering Technology (A40140)
    Computer Engineering Technology (A40160)
    Electrical Engineering Technology (A40180)
    Geomatics Technology (A40420)
    Mechanical Engineering Technology (A40320)
    Sustainability Technologies (A40370)
Health Sciences
    Associate Degree Nursing (A45110)
    Dental Assisting (Diploma) (D45240)
    Dental Hygiene (A45260)
    Dietetic Technician (A45310)
    Human Services Technology (A45380)
    Human Services Technology/Substance Abuse
      (A4538E)
    Medical Assisting (A45400)
    Medical Laboratory Technology (A45420)
    Nurse Aide (Certificate) (C45840)
    Phlebotomy (Certificate) (C45600)
    Recreational Therapy Assistant (A45150)
Industrial Technologies
    Computer-Integrated Machining (A50210)
    Industrial Systems Technology (A50240)
    Welding Technology (A50420)
Public Service Technologies
    Basic Law Enforcement Training (Certificate)
      (C55120)
    Criminal Justice Technology (A55180)
    Early Childhood Education (A55220)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    Interpreter Education (A55300)
    School-Age Care (Certificate) (C55450)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

Wilkes Community College

General Education:
Associate in General Education (A10300)

College Transfer:
Associate in Arts (A10100)
Associate in Engineering (A10500)
Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Agricultural and Natural Resources Technologies
Applied Animal Science (A15280)
Horticulture Technology (A15240)

Business Technologies
Accounting (A25100)
Business Administration (A25120)
Computer Information Technology (A25260)
Computer Technology Integration (A25500)
Networking Technology (A25340)
Office Administration (A25370)
Paralegal Technology (A25380)
Simulation and Gaming Development (A25450)

Commercial and Artistic Production Technologies
Advertising and Graphic Design (A30100)

Construction Technologies
Building Construction Technology (A35140)

Engineering Technologies
Applied Engineering Technology (A40130)
Architectural Technology (A40100)
Electronics Engineering Technology (A40200)

Health Sciences
Associate Degree Nursing (A45110)
Dental Assisting (Diploma) (D45240)
Emergency Medical Science (A45340)
Human Services Technology (A45380)
Medical Assisting (A45400)
Nurse Aide (Certificate) (C45840)
Radiography (A45700)
Respiratory Therapy (A45720)

Industrial Technologies
Industrial Systems Technology (A50240)
Welding Technology (A50420)

Public Service Technologies
Baking and Pastry Arts (A55130)
Basic Law Enforcement Training (Certificate)
(C55120)
Cosmetology (A55140)
Criminal Justice Technology (A55180)
Culinary Arts (A55150)
Early Childhood Education (A55220)
Infant/Toddler Care (Certificate) (C55290)
Interpreter Education (A55300)
Manicuring/Nail Technology (Certificate)
(C55400)

Transport Systems Technologies
Alternative Transportation Technology (Diploma)
(D60420)
Automotive Light-Duty Diesel Technology
(Diploma) (D60430)
Automotive Systems Technology (A60160)
Collision Repair and Refinishing Technology
(A60130)
Diesel and Heavy Equipment Technology
(A60460)

Certificate, Diploma and Associate in Applied Science Programs in italics are collaboratively taught. Please contact the college for information.

General Education:
    Associate in General Education (A10300)

College Transfer:
    Associate in Arts (A10100)
    Associate in Science (A10400)

Certificate, Diploma and/or Associate in Applied Science:

Biological and Chemical Technologies
    Biotechnology (A20100)

Business Technologies
    Accounting (A25100)
    Business Administration (A25120)
    Computer Information Technology (A25260)
    Computer Technology Integration (A25500)
    Information Systems Security (A25270)
    Medical Office Administration (A25310)
    Networking Technology (A25340)
    Office Administration (A25370)
    Paralegal Technology (A25380)

Construction Technologies
    Air Conditioning, Heating, and Refrigeration Technology (A35100)
    Electrical Systems Technology (A35130)

Engineering Technologies
    Applied Engineering Technology (A40130)
    Mechanical Engineering Technology (A40320)
    Electronics Engineering Technology (A40200)

Health Sciences
    Associate Degree Nursing (A45110)
    Practical Nursing (Diploma) (D45660)
    Surgical Technology (A45740)

Industrial Technologies
    Manufacturing Technology (A50320)
    Welding Technology (A50420)

Public Service Technologies
    Basic Law Enforcement Training (Certificate) (C55120)
    Community Spanish Interpreter (A55370)
    Cosmetology (A55140) (Contract)
    Criminal Justice Technology (A55180)
    Culinary Arts (A55150)
    Early Childhood Education (A55220)
    Fire Protection Technology (A55240)
    General Occupational Technology (A55280)
    Infant/Toddler Care (Certificate) (C55290)
    Interpreter Education (A55300)
    Lateral Entry (Certificate) (C55430)
    School-Age Care (Certificate) (C55450)
    School Age Education (A55440)

Transport Systems Technology
    Alternative Transportation Technology (D60420)
    Automotive Light-Duty Diesel Technology (D60430)
    Automotive Systems Technology (A60160)

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