Health Care Programs at CCBC
In-demand careers for today and tomorrow

www.ccbcmd.edu
Choose your own path

With a career in health care, you make the choices. At CCBC, your opportunities are limited only by your imagination. No matter which health career you choose, as a CCBC graduate you will be prepared for tomorrow’s in-demand careers.

For information on health care degree options, visit [www.ccbcmd.edu/health-professions](http://www.ccbcmd.edu/health-professions) or call 443.840.2810.

For information on continuing education and career training options, visit [www.ccbcmd.edu/ceed](http://www.ccbcmd.edu/ceed) or call 443.840.4700.
Whether you are already working in a health care field or just beginning your health care education, the Community College of Baltimore County will help you launch or expand your career in one of today’s fastest-growing industries.

A growing need for trained health care workers

- The U.S. Bureau of Labor Statistics estimates that health care will be the most rapidly growing employment sector through 2020.
- Through 2020, nine of the 20 fastest-growing occupations will be in health care.
- Health care-associated occupations are expected to employ approximately 30 percent more workers by 2020.

CCBC’s health care programs provide more than the skills and knowledge base you need. You’ll love the top-notch classes and instructors, convenience and personal support.

Students benefit from CCBC’s solid reputation

- CCBC is Maryland’s largest provider of undergraduate health care education and training.
- The college is nationally recognized for the quality of its programs.
- CCBC offers multiple options, including traditional certificate and two-year degree pathways, as well as short-term career training options.

The Community College of Baltimore County will deliver what you need, in the time you have, and in a way that works for you. CCBC’s flexible options for degree and certificate programs, transfer patterns and career training opportunities are simply a click or phone call away.
The following programs are two-year associate degree pathways and certificate programs. Depending on the course of study, applicants must complete prerequisite courses and meet additional requirements which may include: patient contact hours, an interview, a certification, an observation day, a pre-admission exam, or a minimum GPA.

After prerequisites have been met, applicants may apply for admission to a program, using the School of Health Professions Admissions Application which is available online. Each program has its own specific admissions requirements and application deadlines. It is strongly recommended that applicants contact an advisor prior to submitting the application.

For more information about any of these programs, or to submit an application, go to www.ccbcmd.edu/health-professions.

**Computerized Tomography (CT) Certificate**

CT scanning is a noninvasive medical test combining special x-ray equipment with sophisticated computers to produce multiple images or slices of the inside of the body. This program is designed for persons who already possess a certification in radiography.

The program will admit students into a six-month course of study twice each year, in January and July.
Dental Hygiene

Graduates earning CCBC’s Associate of Applied Science in Dental Hygiene degree will work closely with dentists to provide patient dental care. Hygienists provide a range of services, including patient screening procedures such as assessing oral health, reviewing history and charting results, exposing and developing dental x-rays, removing calculus and plaque from teeth, applying preventive materials, educating patients, and making impressions of patients’ teeth.

Electroneurodiagnostic Technology (EEG)

Students who successfully complete this program will have the opportunity to work with highly specialized equipment that measures and records the electrical activity of the brain and central nervous system. This program is articulated with Harford Community College so that graduates will receive an Associate of Applied Science from HCC. EEG technicians may manage labs, record and report on a patient’s medical history, and document the clinical conditions of patients. They may also operate and maintain instruments that perform electroencephalograms, long-term monitoring of epilepsy, evoked potential, polysomnograms and nerve conduction studies.

Emergency Medical Technology

Emergency medical technicians provide immediate care for the critically ill or injured at the scene of an emergency, and transport these patients to a medical facility. Students who receive CCBC’s Associate of Applied Science degree or certificate in EMT may be employed by private ambulance companies, fire or police departments, or public Emergency Medical Services agencies. The CCBC EMT program is accredited through the Commission on Accreditation of Allied Health Education Programs and the Maryland Emergency Medical Services Board. Graduates of the paramedic program are eligible to return to CCBC to enroll in the Paramedic to RN Bridge course and complete the RN program in two additional semesters.
Magnetic Resonance Imaging (MRI) Certificate

MRI technologists use radio waves, magnetic fields and computerized equipment to produce images of body tissues. The MRI scanner is a tube surrounded by a giant circular magnet. This program is designed to enhance the skills and certification of persons who are already certified in radiography and wish to learn MRI as an advanced imaging technique. The program will admit students into a nine-month course of study once each year, in the fall semester.

Massage Therapy

Students who successfully complete the Associate of Applied Science degree program open the door to working as professional massage therapists. Massage therapists function as holistically trained members of allied health and integrative medicine teams in a variety of health settings such as hospitals and clinics, chiropractor and doctor offices, wellness centers, fitness centers and salons, various sports activities, corporate wellness programs, performing arts programs or their own private practices.

Medical Laboratory Technology

Students who earn CCBC’s Associate of Applied Science degree in Medical Laboratory Technology will learn to perform laboratory tests on human blood and other body fluids to help detect, diagnose and treat many diseases and conditions. Medical laboratory technicians are concerned with precision and accuracy in the development of data used by physicians as they treat patients. They often work in environments that are highly automated, computerized and quality controlled. They may choose to specialize in areas such as hematology, microbiology, chemistry or blood bank.
Mental Health Practitioner

Graduates of this Associate of Applied Science degree program work in a variety of mental health and human services agencies delivering service directly to clients who may be in need of counseling, therapy, education or help with social problems. Program graduates may work as drug counselors, social work aides, psychosocial rehabilitation specialists, case managers, residential counselors or activity therapists.

The CCBC Mental Health program is accredited by the Council for Standards in Human Services Education (CSHSE). Graduates of the program are immediately eligible to sit for the national certification of the Human Service-Board Certified Practitioner (HS-BCP).

Mental Health program graduates are able to continue their education to the bachelor’s or master’s level through articulation agreements with four-year institutions such as University of Maryland or the Towson University Bachelor of Technical and Professional Studies.

Mortuary Science

CCBC has the only Mortuary Science program in Maryland. The curriculum is nationally accredited by the American Board of Funeral Service Education. This Associate of Applied Science degree program educates and trains students to become morticians, preparing them to practice every facet of the profession from managing a funeral business to performing mortuary techniques such as embalming and restorative arts. Following graduation from the program, students must complete 1,000 hours of apprenticeship to meet Maryland licensing requirements.

Nursing (RN)

The Nursing curriculum provides theoretical and clinical laboratory study in nursing that will enable students to work as members of a health care team. The CCBC Nursing program offers: a traditional daytime program, an evening/weekend program, and an online hybrid program. The Associate-to-Bachelor’s option allows students to be dually enrolled in RN at CCBC and in a BSN program at a four-year partner institution. Nurses treat patients as well as educate and provide support to patients and families. Registered nurses may specialize in one or more patient care areas such as emergency, trauma, home health, medical-surgical, critical care and many others. Students who successfully complete the Nursing program will earn an Associate of Science degree. Graduates may also continue their education at a bachelor’s or master’s level through articulation agreements.
Occupational Therapy Assistant

Graduates of CCBC’s Occupational Therapy Assistant Associate of Applied Science degree program are qualified to provide a range of services to patients of all ages whose lives have been affected by impairment or disease. Under the direction of occupational therapists, OTAs work to develop or restore patients’ functioning in the activities of daily living, work and leisure. They may work in a variety of settings, including hospitals, rehabilitation facilities, nursing homes, schools, camps and private homes.

Physician Assistant

This program, a collaboration between CCBC and the Towson University Graduate School, is designed for students who hold a bachelor’s degree prior to admission. The program prepares those with strong science backgrounds and clinical experiences to become highly skilled health care providers, practicing medicine under the supervision of licensed physicians. Students who successfully complete this program will earn a Master of Science degree in Physician Assistant Studies from Towson University and a Physician Assistant program certificate from CCBC. Graduates may specialize in areas such as family practice, surgery, internal medicine, orthopedics, occupational medicine and cardiology.

Practical Nursing (LPN)

CCBC’s 12-month Practical Nursing certificate program prepares students for employment in the health care industry in both acute care and long-term care facilities. Licensed practical nurses provide a range of services related to basic bedside care. They take and record vital signs, give injections and other medications, apply dressings, and give alcohol rubs and massages. They monitor patients and report changes in status. They assist registered nurses and other licensed health care professionals and work as members of a health care team.

Psychiatric Rehabilitation Certificate

This certificate program is designed to meet the demand for qualified staff in the area of psychiatric rehabilitation and to enhance the knowledge and skills of individuals already working in the field. It is intended as an option for students who are not currently pursuing an undergraduate degree.

As part of the program, students will complete 24 credits which may be applied to the AAS degree in Mental Health, and two semesters of field work at a community service agency.
Radiation Therapy


Radiography (X-Ray)

CCBC’s Associate of Applied Science program in Radiography educates students in the use of x-ray radiation to create images of the tissues, organs, bones and vessels that make up the human body. Radiographers are employed in hospitals, imaging centers and physician offices. Graduates will be able to perform a range of services, including general x-ray imaging, CT scans, MRI or interventional radiology techniques.

Respiratory Care Therapy

Respiratory care therapists assist patients with disorders of the cardiopulmonary system such as asthma and heart disease. They perform diagnostic testing, therapeutics, monitoring and rehabilitation. Graduates of the Respiratory Care Therapy program will receive an Associate of Applied Science degree from CCBC. Today, respiratory care services are provided in all types of health care facilities and in the home.

Veterinary Technology

Students who complete CCBC’s Veterinary Technology program will receive an Associate of Applied Science degree. CCBC has the only Veterinary Technology program in Maryland. Veterinary technicians assist the doctor of veterinary medicine by developing x-rays, performing blood and body fluid testing, assisting with surgical procedures and anesthesia, and handling animals.
Whether you know which health career is for you, or you want to explore our wide variety of Health and Human Services programs, there’s something for everyone at CCBC. The following career areas offer easy access to in-demand health care professions through short-term training, licensures and certifications. Students have the opportunity to readily launch new careers, upgrade job skills and increase earning potential. All program areas described in this section require students to be computer literate and have Internet access.

**A-STEP: Accredited Sleep Technologist Education Program**

The A-STEP is a two-part training program that includes an 80-hour educational introductory course which must be successfully completed before moving on to the next portion, consisting of self-pacing modules and clinical hours. Designed to enable the student to learn to perform a variety of sleep diagnostic studies, this part-time program lasts three to nine months, depending upon the individual’s work background, which will aid in preparing students for a career as a sleep technologist. Upon completion, students can sit for certification through the Board of Registered Polysomnographic Technologists. This program is accredited by the American Academy of Sleep Medicine.

**Certified Nursing Assistant/Geriatric Nursing Assistant (CNA/GNA)**

CNAs/GNAs are entry-level positions in direct patient care. Certified nursing assistants may be employed in hospitals, while geriatric nursing assistants are employed by long-term care facilities. CNAs/GNAs assist patients with the activities of daily living. This may include taking vital signs, bathing, toileting, changing linens and helping with other personal care tasks. The training consists of coursework involving lectures and labs, and a clinical setting experience. At the completion of this program, students are eligible to sit for the GNA exam with the National Nurse Aide Assessment Program through the American Red Cross.
Central Service Technician

Central service technicians maintain, decontaminate, sterilize and distribute surgical instruments and other equipment and supplies. Students work in hospitals and surgical centers. The training includes classroom instruction (72 hours) and on-site clinical training at local affiliate hospitals (400 hours). The Central Service Technician training meets the requirements of the International Association of Healthcare Central Service Materials Management (IAHCSMM). Those who go on to pass the IAHCSMM national examination achieve the designation of Certified Registered Central Service Technician.

Child Care/Day Care Provider

There are several options for students interested in child care training. Completing a selection of courses will allow them to work in a before/after school program, a day care program that cares for children of various ages, or become a licensed family child care provider in their own home. This training meets the Maryland State Department of Education (MSDE) 99-hour child care certification requirements. Students who complete the Child Care Provider program can earn a possible 12 credits towards an applicable program in the School of Wellness, Education, Behavioral and Social Sciences.*

* Requires a successful application for Admission to CCBC and declaration of any of the following academic majors indicated below:
  AA Teacher Education (Early Childhood Education Option)
  AA Teacher Education (Special Education Option)
  AAS Early Childhood Development
  AAT Early Childhood Education/Early Childhood Special Education

Dental Assistant

A dental assistant assists the dentist in four-handed dentistry. Students complete a series of lectures and labs that includes Electronic Health Records (EHR) training. Upon successful completion, students can sit for certification to perform dental x-rays through the Dental Assistant National Board of Examiners. This certification is required in the state of Maryland for anyone who takes dental x-rays. This Radiation Health and Safety Certification occurs at the state-of-the-art Dental Lab on the CCBC Dundalk campus and in dental offices.
Dental Expanded Functions

Dental assistants can advance their careers by becoming certified in general or orthodontic expanded functions. In order to become certified in one of these appropriate additional skill areas, the student must have a letter from his or her employer (a dentist), stating the student is employed and the dentist is willing to provide the clinical experience at the place of employment. Students who successfully complete the course in their selected area may sit for the examination with the Maryland Board of Dental Examiners, allowing them to move up the career ladder.

Oral Radiography

This course prepares students to sit for the Dental Assistant National Board of Examiners certification required by the state of Maryland to take x-rays in a dental office. Students will participate in laboratory and lecture settings.

Radiation Safety Update

This course meets Maryland state requirements for people who have allowed their oral radiography license to lapse.

EKG Technician

EKG technicians set up electrocardiogram equipment and monitor readings during the patient’s procedure. They typically are employed in large physician practices, urgent care facilities and hospitals. There are three courses consisting of classroom, online and laboratory experiences. Students conduct a minimum of 20 EKGs during the course of the training. Successful completion prepares students to sit for national certification with the National Healthcareer Association.
Health IT (Electronic Health Records)

Health IT professionals are needed to assist hospitals and medical practices in implementing and utilizing electronic health records (EHRs), support the growing use of technology in health care and meet the standards of meaningful use. These trained professionals learn to analyze, improve and implement workflow solutions to raise the usability and functionality of EHR systems for clinicians, ultimately delivering a higher level of quality patient care and safety. The 175 hours of training prepares students to sit for the Certified Associate in Health Information Management Systems (CAHIMS) certification exam. You must have a health care or IT background to be accepted into this program.

Medical Assistant

Medical assisting is one of the top jobs in health care. Working under the supervision of a physician, medical assistants help with front and back office duties, with the majority of their time spent in clinical settings. They typically assist with exams, document visits and perform specimen collection for the physician, providing critical functions in many busy health care environments.

Students are eligible for Pell grants during this 10–13 month training which combines laboratory, classroom and online courses along with EHR training. Students who successfully complete this program are eligible to sit for the National Certification Exam through the National Healthcareer Association.

Medical Coding

Medical coders typically work in large physician practices, medical billing agencies or hospitals. They must use federal diagnostic (ICD) and procedure (CPT) codes to express medical services provided. This coding of services provides the basis for billing and collection of money for services. Students who successfully complete this training are prepared to sit for national certification through the American Academy of Professional Coders (AAPC).

Medical Front Office

This training is designed for people who would like to enter health care in a non-clinical profession. It prepares students to find employment in physician offices, hospitals or other health care facilities. Medical Office Support training takes approximately five months to complete. Students who successfully complete this training are eligible to sit for the national certification exam to become a Certified Medical Administrative Assistant through the National Healthcareer Association.
**Medicine Aide**

Students who complete the Medicine Aide training will have a firm grasp of certified methods of dispensing medication to clients in long-term care facilities. Prior to entering this course work, a student must be currently employed as a CNA/GNA in a Maryland licensed long-term care facility, with a minimum of one year of compensated employment as a CNA/GNA. This training consists of traditional instruction, a skills lab and coursework in clinical settings.

**Nurse Refresher**

The Nurse Refresher training provides registered nurses who have active or inactive RN or LPN licenses the opportunity to return to the field of nursing. Students participate in a series of lectures and skills labs and study in a clinical setting. At the completion of this course, the RN or LPN is eligible to reactivate his or her license with the Maryland Board of Nursing.

**Ophthalmic Assistant**

The only training of its kind in Maryland, CCBC’s Ophthalmic Assistant program teaches students how to perform clinical duties, including patient education and assisting with eye exams. This training includes EHR coursework. Because of the high demand and short supply of trained assistants, jobs are readily available in ophthalmic offices, large practices and urgent care facilities. Upon successful completion of the training and six months experience, students can sit for certification with the Joint Commission of Allied Health Programs–Ophthalmic.

**Patient Care Technician (PCT)**

Students who complete the PCT training will have the ability to work within hospitals, emergency departments, critical care units and urgent care facilities. PCTs are Certified Nursing Assistants (CNA) with advanced training, including venipuncture and specimen collection training, IV therapy training, basic EKG training and advanced CNA skills.
Pharmacy Technician

Pharmacy technicians assist pharmacists in hospitals or freestanding pharmacies. They are typically involved in customer interactions, insurance claim processing, maintaining inventories and filling prescriptions. Students in the training also receive coursework in EHR. The state of Maryland requires all pharmacy technicians to be certified. This program is designed to meet state regulations and prepare students to sit for the national certification offered by the Pharmacy Technician Certification Board. Upon passing the exam, students are eligible for certification by the Maryland Board of Pharmacy.

Physical Therapy Tech/Aides

Physical therapy tech aides typically work in a hospital or physical therapy office. This training prepares students for an entry-level position in which they may, in addition to other tasks, provide support to physical therapists and physical therapy assistants by setting up equipment, cleaning/staging therapy area and supporting front office needs. This training takes approximately six months, involves face-to-face and online classes plus a clinical component.

Sleep Technologist (Polysomnographic Technician)

The first accredited program in the mid-Atlantic region, CCBC’s Polysomnographic Technology program provides training and skill development in sleep medicine. Polysomnographic (sleep) techs are trained to set up equipment for sleep studies, observe and analyze recordings during the sleep period and provide patient education as needed. This part-time program lasts 12-13 months with extensive online components and includes EHR coursework. Upon completion, students can sit for certification through the Board of Registered Polysomnographic Technologists. This program is accredited through the Commission on Accreditation of Allied Health Education Programs.**
Surgical Technology (ST)

Surgical technologists are integral members of the surgical team, working closely with surgeons, anesthesiologists, registered nurses and other surgical personnel. Surgical technologists are responsible for maintaining the sterile field, responding to the needs of the surgical team by providing sterile instruments and supplies, and assisting with other patient care needs before, during and after the surgical procedure. Surgical technologists are typically employed in hospitals and surgi-centers.

This is an intense 13-month program consisting of classroom, lab and clinical training. The program is designed to train competent, entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. The ST program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).**

Successful completion of the training allows students to sit for the national certification exam administered by the National Board of Surgical Technology and Surgical Assisting.

Unit Clerk

Unit clerks are critical to the successful management of hospital units. They establish appointments for patients in other areas of the hospital, serve as liaisons to families and maintain orderly work flow within the unit. This 10-month series prepares students to sit for national certification and includes EHR coursework.

Phlebotomy/Venipuncture

Phlebotomists typically draw blood and collect other specimens such as urine, throat cultures and stool cultures. The training consists of a 60-hour lecture/lab portion and an 80-hour clinical experience. After completion of this program, students are eligible to sit for national certification through the National Healthcareer Association.
Veterinary Assistant

This entry-level position provides a natural bridge to the veterinary technician program. Vet assistants aid in kennel care, assist veterinary technicians during exams of animals, and provide support throughout the veterinary office. Students participate in coursework involving classroom, lecture and online activities (90 hours) as well as clinical experience (40 hours).

Upon successful completion of the Veterinary Assistant program, students will be allowed to waive VETT 106 (2 credit course) if they are entering the Veterinary Technician program. Students will still need the BIOL 110 course prerequisite.
Health care is the fastest-growing sector of our economy. The challenge now facing the industry is how to fill the available jobs with qualified, competent people. The Community College of Baltimore County has partnered with some of the area’s premier medical institutions to help address the critical need for more qualified health care professionals.

In addition to traditional associate degree programs in nursing and other allied health fields, we offer short-term training resulting in industry-recognized credentials, certification and licensure preparation, and customized instructional programs addressing the need for skilled professionals in the health care arena.

**Affordable.**
CCBC is less than half the cost of public four-year universities and costs significantly less than most privately operated, for-profit colleges and career training schools.

**Accessible.**
CCBC has three campuses and three extension centers. Investing in surrounding communities and establishing a presence adds up to more convenience for you.

**Available.**
CCBC has courses online, in the daytime, evening and on weekends. We’ve got you and your busy schedule covered.
For more information on any of the Health and Human Services programs or to register for classes, please contact the Continuing Education Information Center at 443-840-4700.

To see an advisor about any of the credit programs, send an email to:

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