

## CAROLINAS COLLEGE OF HEALTH SCIENCES

Carolinas College of Health Sciences (CCHS) is committed to educating healthcare providers who have a foundation that supports communication, analytical reasoning abilities, and a holistic approach to the individual. We are also committed to providing our students with services and resources for success in a lifelong learning process. We believe in combining caring, compassion, knowledge, and skills with advances in technology to educate students. Our curricula are designed to develop critical thinking skills by integrating theoretical concepts with clinical experience.

### MEDICAL TECHNOLOGY

Medical Technologists, also known as Clinical Laboratory Scientists, analyze human blood, tissues and body fluids or supervise the performance of medical laboratory tests using a wide variety of instruments, microscopes, computers, chemicals and other methods of clinical analysis. Medical technologists perform laboratory tests necessary for the diagnosis and treatment of diseases. Medical technologists/clinical laboratory scientists may work in several different areas of the clinical laboratory including clinical chemistry, hematology, immunology, immunohematology (blood banking), microbiology, TB/mycology, molecular biology, urinalysis, toxicology and management. The majority of medical technologists work in hospital laboratories, while others are employed by private physicians, public health agencies, independent laboratories, biotechnology and pharmaceutical companies, or industrial medical/research laboratories.

Average Starting Salary: \$42,000 and up.

## PROGRAM OVERVIEW

The Carolinas College of Health Sciences/ Medical Technology Program is a full time, 12-month certificate program for students who have a four-year bachelor's degree, preferably in a science. The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences. Graduates of the Medical Technology Program are prepared to function as an entry-level medical technologist/ clinical laboratory scientist and are eligible to take a national certifying examination. The program is limited to 12 students a year (8 in August and 4 in January).

### REQUIRED APPLICATION COMPONENTS

Admission to the Medical Technology program is competitive. The following are the required components for applicants to be considered for conditional admission:

- Complete application and application fee.  
August class application deadline is the first Friday of December.  
January class application deadline is the third Friday in June.  
First preference will be given to applications received by the appropriate deadline. Applications received after the deadline will be considered on a space available basis. Qualified applicants not admitted to the program will be placed on an alternate list and will be considered for the next class.
- Must have an earned bachelor's degree, preferably in a natural science before the program begins. Other degrees may be considered by the Program Director.
- Official transcripts from all post-secondary institutions attended. First consideration will be given to applicants with an overall Grade Point Average of 2.5 or above.
- Three completed CCHS Reference Forms: Two from U.S. science instructors and one from an employer, advisor or another U.S. instructor. Program director will advise if applicant has been out of school for several years.

## INTERVIEWS

An interview for qualified students will be scheduled with the faculty. During that time, a tour of the CCHS facilities and laboratory at Carolinas Medical Center (CMC) will be given along with a manual dexterity test.

### PREREQUISITE COURSES

Official college transcripts must demonstrate completion (by program start date) of the following prerequisite courses with an overall science GPA of 2.5 or better. A lower GPA will be considered at the discretion of the Program Director.

**Biology:** 16 semester credit hours required to include microbiology and immunology (preferably as a separate course but may be included in another course). Genetics, molecular biology, anatomy and physiology are highly recommended.

**Chemistry:** A minimum of 12 semester credit hours required to include organic chemistry or biochemistry. Quantitative and Qualitative Analysis are also recommended.

**Mathematics:** 3 semester credit hours required. Statistics is required as a separate or within another course. Computer science and physics are highly recommended.

Note: Courses in immunology, microbiology, organic or biochemistry must be updated if not completed within the last five years. Individual situations will be evaluated by the Program Director and Dean of Student Services.

**To expedite your application process, please send in a packet containing a completed application, application fee, three completed reference forms in sealed envelopes, and all official college transcripts.**

## INTERNATIONAL APPLICANTS

Applicants with a foreign baccalaureate degree must take at least 12 semester hours at an accredited U.S. baccalaureate academic institution. The Dean of Student Services and the Program Director will determine specific courses. All foreign transcripts must be evaluated by a recognized evaluation agency which will verify the U.S. baccalaureate degree equivalency.

Some recommended agencies:

- **International Education Evaluation, Inc.**  
7900 Matthews-Mint Hill Road  
Suite 300  
Charlotte NC 28227  
704-772-0109
- **International Education Research Foundation, Inc.**  
Marilyn Barboza  
Acting Executive Director  
P.O. Box 66940  
Los Angeles, CA 90066  
310-390-6276
- **World Education Services, Inc.**  
P.O. Box 745  
Old Chelsea Station  
New York, NY 10013-0745  
212-966-6311

Applicants for whom English is a second language must submit a Test of English as a Foreign Language (TOEFL) score of 213 or above (computer), 83 or above (iBT: internet based), or 550 or above (written exam). The College reserves the right to require the specified TOEFL score of any candidate when language proficiency is an issue unless waived by the Dean of Student Services or the Program Director. Test scores must be submitted by the specified admission deadlines.

## CURRICULUM

Subjects include clinical chemistry, microbiology, immunology, immunohematology, TB/mycology, hematology, management, education, phlebotomy, molecular pathology and laboratory information systems. All course work is of an applied nature and is not intended for upper division transfer credit. Clinical education takes place primarily in the laboratory area at Carolinas Medical Center, an 800-bed medical center which is the flagship of The Carolinas HealthCare System. This progressive facility functions as a trauma, transplant and major cardiac surgery center and has been ranked among the top hospitals in the nation, according to *U.S. News and World Report*. Clinical experience is carefully interwoven with classroom instruction to reinforce theoretical concepts. During the clinical rotation, the student-to-faculty ratio is 2-to-1 or less. Clinical and classroom experiences are scheduled Monday through Friday from 7:00 am. to 3:30 p.m.

## TUITION & FEES

**Tuition:** \$5,350

**Uniforms:** Scrub-based uniform required.

Approximate cost is \$125

**Books/ Printed Manuals:** \$550

**Fees:** \$75 - \$150. (Graduation & ASCLS dues)

\* Tuition and fees subject to change

## FINANCIAL AID

Cost should not be an obstacle to any applicant. All students are eligible for the CHS loan forgiveness program, a low-interest loan covering 80% of tuition and fees, which is forgiven if the graduate works for an approved CHS facility. A Financial Aid Officer is available to assist with state and federal loans, which are available to eligible students.

Microbiology Immunology

# School of Clinical Laboratory Sciences Medical Technology Program Carolinas College of Health Sciences



## FOR FURTHER INFORMATION CONTACT

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Medical Technology information,  
applications and reference forms are  
available on line at  
[www.CarolinasCollege.edu](http://www.CarolinasCollege.edu)

Virology Parasitology

Transplantation Medicine

Laboratory Computers

Immunohematology

Clinical Chemistry

Hematology

Molecular Pathology

TB/Mycology

Phlebotomy

Management

Education

Urinalysis