



Lab Sciences



Carolinas College
of Health Sciences

Carolinas College by the numbers

Choosing a healthcare college isn't just about where you'll go. It's about who you'll become. Carolinas College of Health Sciences – part of Atrium Health – empowers big dreamers to unlock their true potential.

Data as of 2021

6:1

**Student to
faculty ratio**



98%

**1st-time pass rate
for certification**



95%

**Job placement
within 6 months**

86%

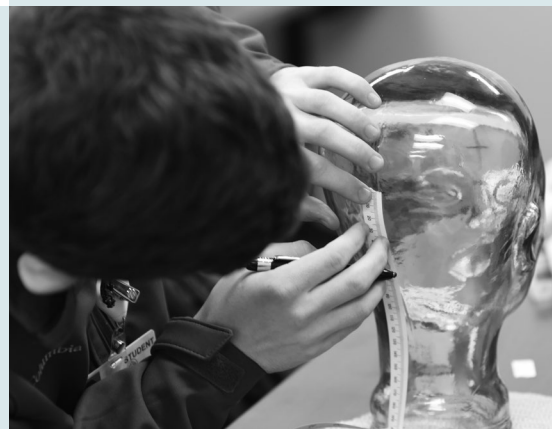
**Job placement
within Atrium
Health**

97%

**Employers who
would hire another
Carolinas College
graduate**

658

**Total enrollment
in 2021**





54%

**Students who
receive financial aid**

\$172,473

**Total given in
scholarships**

4.6%

**Students who
default on federal
loans within 3 years**

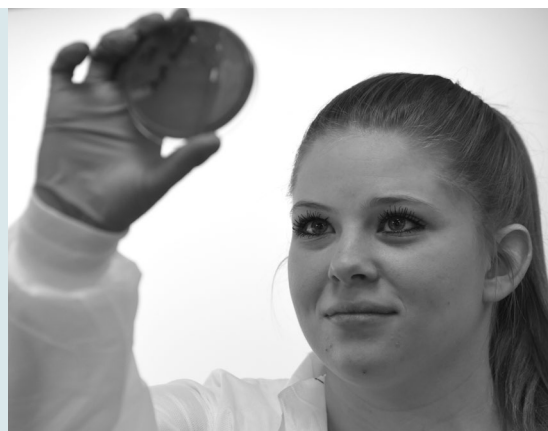


**Expert faculty
and supportive
small-school feel**

**Campus located in
Charlotte, NC**



**Being part of
Atrium Health
means hands-on
learning and potential
employment after
graduation**



**Education for
high-demand
careers including
X-ray technology,
lab sciences,
nursing and more**



Tuition and Fees

Effective fall 2022

Tuition by Program

\$422

per credit hour

Associate Degree Nursing
General Studies
Healthcare Simulation
Medical Imaging
Neurodiagnostic Technology
Radiologic Technology
RN-BSN



\$1,100

Nurse Aide

\$625

Phlebotomy

\$10,456

Histotechnology
Medical Laboratory Science
Radiation Therapy

\$2,800

**Blood Bank
Technology**

Fees

Access, Parking and Security.....\$25
Activity Fee.....\$30
Application Fee.....\$60
Deposit/Background Check.....\$200
Graduation Fee (fall and spring).....\$200
Graduation Fee (summer).....\$155
Learning Resource Fee.....\$275
Neurodiagnostic Course Fee.....\$60
Nursing Lab Fee (110 and 120).....\$140
Nursing Lab Fee (Intermediate).....\$140
Nursing Lab Fee (202).....\$280

NUR 110 (Skills Module Fee).....\$127
NUR 110 (Sherpath Book Bundle).....\$360
NUR 160 (CoursePoint).....\$200
NUR 301 (CoursePoint).....\$95
RAD 110 Course Pack.....\$35
RAD 110 Markers Fee.....\$25
RAD 110 & RAD 212 Lab Fee.....\$115
Radiation Therapy Lab Fee.....\$80
Returned Check/NSF Fee.....\$25
Science Lab Fee.....\$50



Certificate in Histotechnology

Histology is a science that involves the structure of cells and their formation into tissues and organs. Histotechnology centers on the detection of tissue abnormalities and the treatment for the diseases causing the abnormalities. An estimated 85% of all diagnostic medical decisions are based on results produced by clinical laboratory testing. The Histotechnology program is a 31-week program that prepares graduates to function as competent entry-level histotechnologists. The curriculum integrates didactic lectures, laboratory training, and supervised clinical experience in the histology laboratory. Typically, more than 90% of the HTL graduates pass the certification exam on their first attempt.

The HTL program is accredited by the National Accrediting Agency for Clinical Laboratory Science. 5600 N. River Rd, Suite 720 Rosemont IL 60018-5119

Overview

- **Length:** 31 weeks
- **Program Fee:** \$10,456
- **Aid Available:** Loan Forgiveness program
- **Minimum SAT/ACT:** Not required
- **GPA:** 2.5 college cumulative, 2.5 Math & Science
- **High School Pre-Reqs:** Not required
- **References:** 2 Carolinas College reference forms from employer, advisor or instructor
- **College Prerequisites:** BS/BA degree, 3 hours Algebra or higher, 30 hours Chemistry and Biology including: Microbiology, Organic Chemistry or Biochemistry, Anatomy & Physiology

	Start	Deadline	# Admitted
Fall	September	Rolling admissions. Space in classes offered as available.	5
Spring	January		5

Master Curriculum (credit hours)

1st Semester	2nd Semester	TOTAL
<ul style="list-style-type: none"> • HTL 206 - Professional Issues I (1) • HTL 210 - Basic Histotechniques (9) • HTL 220 - Advncd. Histotechniques (8) 	<ul style="list-style-type: none"> • HTL 207 - Professional Issues II (2) • HTL 260 - Histotech. Clinical (6) 	<ul style="list-style-type: none"> • Histotechnology Applied Courses (26)

How to Apply

Submit an online application – Go to our website at www.CarolinanCollege.edu and apply under the Admissions tab. There is a \$60 application fee. You may also use this link: <http://carolinancollege.force.com/apply>



Certificate in Medical Laboratory Sciences

Medical Laboratory Science is the study of clinical laboratory testing to detect, diagnose, monitor and treat disease. An estimated 85% of all diagnostic medical decisions are based on results produced by clinical laboratory testing. The Medical Laboratory Science program is a 12-month program that prepares graduates to be a successful entry-level medical laboratory scientist. Didactic lectures and student laboratory training take place at the college, with clinical experiences conducted in the laboratories of Atrium Health. Areas of study are noted in the Master Curriculum plan below. Typically, close to 100% of program graduates pass the national certification exam on their first attempt.

The MLS program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences. 5600 N. River Rd, Suite 720 Rosemont IL 60018-5119

Overview

- **Length:**
3 semesters (12 months)
- **Program Fee:**
\$10,456
- **Aid Available:**
Scholarships, Loan
Forgiveness program
- **Minimum SAT/ACT:**
Not required
- **GPA:** 2.5 college
cumulative, 2.5 math
and science
- **High School Pre-Reqs:**
Not required
- **References:** 2 Carolinas
College reference forms from
employer, advisor or
instructor
- **College Prerequisites:**
BS/BA Degree required:
-3 hours Statistics
-16 hours Chemistry including
Organic or Biochemistry
-16 Hrs Biology, including:
- Immunology
- Microbiology
- Microbiology lab

	Start	Deadline	# Admitted
Fall	Sept.	Rolling admissions. Space in classes offered as available.	12
Spring	January		12

Master Curriculum (credit hours)

1st Semester	2nd Semester	3rd Semester	TOTAL
<ul style="list-style-type: none"> • MLS 410 - Hematology/Coagulation/ Clinical Microscopy (7) • MLS 420 - Immunohematology (8) • MLS 460 - Professional Issues I (1) 	<ul style="list-style-type: none"> • MLS 430 - Clinical Microbiology (9) • MLS 440 - Clinical Chemistry (8) • MLS 461 - Professional Issues II (2) 	<ul style="list-style-type: none"> • MLS 450 - Clinical Immunology (4) • MLS 462 - Professional Issues III (1) • MLS 470 - Practicum (4) 	<ul style="list-style-type: none"> • Medical Laboratory Science Applied Courses (44)

How to Apply: Submit an online application – Go to our website at www.CarolinCollege.edu and apply under the Admissions tab. There is a \$60 application fee. You may also use this link: <http://carolincollege.force.com/apply>



Certificate in Phlebotomy

Phlebotomy is the technique of obtaining blood from a vein or skin puncture for laboratory analysis, which aids in the patient's diagnosis. A person trained to perform phlebotomy procedures is called a phlebotomist. The Carolinas College Phlebotomy Program is approved by the National Accrediting Agency for Clinical Laboratory Sciences.

Overview

- **Length:** 14 weeks (Fall & Spring),
10 weeks (Summer)
- **Program Fee:** \$625 full program
- **Aid Available:** None
- **Required Testing:** Scholastic Level Exam (SLE),
Minimum score required: 14
- **GPA:** 2.0 high school OR 2.0 college with at
least 12 credit hours
- **High School Pre-Reqs:** Not required
- **College Pre-Reqs:** Not required

	Start	Deadline	# Admitted
Fall	September	June 1	12
Spring	January	November 1	12
Summer	May	March 1	12

Master Curriculum (credit hours)

Weeks 1-7 (Spring & Fall) or 1-5 (Summer)	Weeks 8-14 (Spring & Fall) or 6-10 (Summer)	Final Examination: Last week of program
<ul style="list-style-type: none"> • Phlebotomy Class and Student Lab (80) <ul style="list-style-type: none"> - Emphasis is placed on ethics, legalities, medical terminology, safety and Infection control, quality assurance, healthcare delivery systems, patient relations, anatomy and physiology, and specimen collection and processing. 	<ul style="list-style-type: none"> • Student Practicum (Clinical experience) (120) <ul style="list-style-type: none"> - Students visit a variety of healthcare settings within Atrium Health to develop skills necessary to perform successful phlebotomy procedures. Times, days and locations will vary due to the availability of clinical sites. Students should plan to commit 20-30 hours per week. 	<p>Upon successful completion of this program, graduates will be awarded a certificate of completion and are eligible to take a national certifying examination. The Phlebotomy program is approved by the National Accrediting Agency for Clinical Laboratory Sciences.</p> <p>NAACLS, 5600 N River Rd, Des Plaines, IL 60018</p>

How to Apply

1. Attend an information session - Contact Admissions@CCHSmail.org to register.
2. Take the Scholastic Level Exam (SLE) - Offered during the information session.
3. Submit an online application - Go to our website at www.CarolinanCollege.edu and apply under the Admissions tab, or use this link: <http://carolinancollege.force.com/apply>
4. Submit your high school and/or your college transcripts. You can mail or hand-deliver them to Carolinas College of Health Sciences, Attn: Admissions, 2110 Water Ridge Parkway, Charlotte, NC 28217. Transcripts can be submitted electronically to the admissions email address below.



Specialist in Blood Banking Technology/Transfusion Medicine

This flexible program is a 12-month non-credit online program for individuals currently employed in the blood bank field who are looking to advance their careers.

Specialists in blood bank technology work within the blood center and transfusion medicine fields as technical supervisors, laboratory administrators, quality regulatory assessors, educators and researchers. The curriculum is designed to prepare students to take the Specialist in Blood Banking (SBB) national exam administered by the American Society of Clinical Pathology (ASCP).

Specialists in blood bank technology are knowledgeable in all

aspects of blood banking and transfusion medicine and are subject matter experts on AABB quality systems and FDA compliance requirements related to blood establishments.

The program is 100% online and students are not required to travel to campus. Required clinical checklists are completed at locations chosen by the student.

Please note that completion of this SBBT/TM program does not allow students to sit for the ASCP exam following Route 1. Individuals interested in taking the ASCPSBB exam should see www.ascp.org for details on eligibility requirements following Route 2 for SBB certification.

Overview

	Start	Deadline	# Admitted
Fall	September	June 1 <i>Applications will be accepted through August 1 based on space</i>	2 (Minimum) 10 (Maximum)

• **Length:** 12 months

• **Program Fee:** \$2,800 (\$1,400 for 1st course: SBB 010 and \$1,400 for 2nd course: SBB 020)

• **Admission Requirements:**

- Baccalaureate degree (from U.S. institution) with a minimum GPA of 2.5
- Current ASCP certification (MLS, MT, or BB)
- Current employment in a blood center, transfusion service, or blood bank related field
- Minimum of two years full-time blood bank related experience
- Qualified Mentor to provide assistance and guidance
- Clinical sites to provide assistance in meeting clinical checklist requirements

• **Admission Process:**

- Complete online application
- Submit official college transcripts from U.S. accredited baccalaureate program (min GPA 2.5)
- Submit proof of current ASCP certification (MLS, MT or BB)
- Submit proof of minimum 2 years blood bank-related experience (supervisor's statement of employment)
- Submit 2 references on Carolinas College reference forms (professional references: one must be from current supervisor or manager)

• **Upon Admission:**

- Submit completed Mentor Agreement form along with mentor's resume
- Submit Clinical Site Affiliation Memo of Understanding forms for each required clinical site (blood center, transfusion service, & reference lab)

Master Curriculum (credit hours)

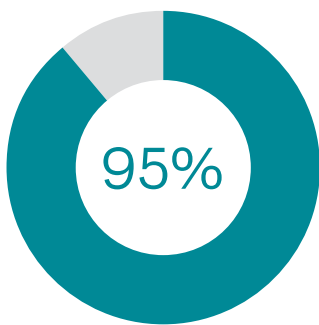
SBB 010	SBB 020
<ul style="list-style-type: none"> • Education and Research • Laboratory Operations • Blood Donation, Blood Products • Hematology, Genetics, Immunology 	<ul style="list-style-type: none"> • Blood Group Systems (ABO/Rh) • Blood Group Systems (Other) • Serology (Routine/Advanced) • Transfusion Practice • Apheresis/Transfusion Reactions

How to Apply: Submit an online application – Go to our website at www.CarolinasCollege.edu and apply under the Admissions tab. Questions about the program and/or program admission? Contact: Kelly Shirley (education coordinator) at Kelly.Shirley@CarolinasCollege.edu or call 704-355-7575.

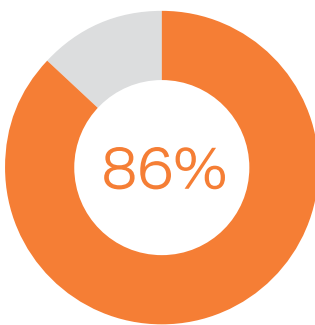


Discover the benefits of a Carolinas College education

Our partnership with Atrium Health means you'll get a clinical education within Atrium Health – one of the nation's most innovative healthcare organizations. Many of our graduates step right into rewarding and stable careers within Atrium Health the moment they graduate. At Carolinas College, discover your true potential both in the classroom and throughout your career.



95% of our graduates find a job in their field within 6 months of graduating



86% of those get jobs within Atrium Health

Loan Forgiveness from Atrium Health

Many of our programs offer loan forgiveness options, so graduates who step into roles at Atrium Health may receive financial assistance to help with their student loans.



Megan Benbow, Alumna

Megan Benbow had been working in a hospital laboratory for eight years when she decided to take her career to the next level, so she enrolled in the Specialist in Blood Bank Technology program at Carolinas College.

“At that point I felt like I had a solid foundation in transfusion medicine, but I knew there was so much more to learn,” she says. “I wanted to understand the standards and the regulations that guide our profession, learn more about donor centers, and most importantly to me, I wanted to improve my immunohematology workups on complex patients.”

Throughout the 12-month course, Megan says she found the online format to be incredibly flexible.

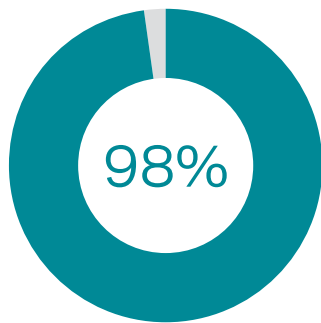
“Our instructor was fantastic about responding to questions promptly and clearly, and sometimes other students would be able to answer based on their experiences,” she says. “We covered a ton of material in a year, and I was well prepared for the SBB exam. I passed on my first try, which was a great relief!”

Megan was soon promoted to lead medical technologist at Carolinas Medical Center Transfusion Services, and she credits the SBBT program for making sure she was prepared to step right into the new role.

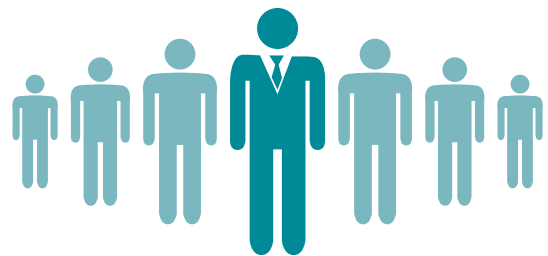
“I have a much deeper understanding of Transfusion Medicine now,” she says. “I would highly recommend the course to anyone who wants to provide better care for their patients and take their career to the next level.”

Connections that set you up for success

At Carolinas College, each program is designed to expand minds and open possibilities. Our small school feel and one-on-one faculty support give students access to world-class hospital opportunities at Atrium Health, enabling graduates to consistently achieve licensure and certifications pass rates well above state and national norms. Keep aiming high - we'll help you get there.



**98% of our students pass their
licensure or certification exams on the
1st attempt**



**6:1 average student to
faculty ratio**



Brett Holida, *Carolinas College Alumnus*

As a Carolinas College student, Brett Holida loved the small class sizes, which allowed him to develop a beneficial relationship with his instructor and fellow classmates.

“That’s really hard to do in a larger college setting,” he says. After graduation, Brett stepped right into a full-time role as a histotechnologist at Atrium Health’s Carolinas Medical Center. “My instructor, Tracy, really prepared us to be healthcare professionals,” he says. “Everything she gave us from day one was valuable for our career.”



Campus life

Convenient Location

The Carolinas College campus is located in the Water Ridge Office Park off Tyvola Road in Charlotte with easy access to I-85, I-485 and I-77.

Student Organizations

From the Student Nurses Association to the Student Leadership Council, you'll find many paths to create meaningful connections, while also making an impact across campus and beyond.

Learning Environments

The new home of Carolinas College includes plenty of both group and individual study spaces, a large student lounge, modern classrooms and labs that enhance learning.

Learning Technology

Students benefit from a modern learning environment, including interactive classrooms, computerized testing, iPads and many others.

Campus Activities

From our holiday lunches to Spirit Day and many more events, our Carolinas College family comes together often to celebrate accomplishments and just enjoy spending time with each other.

Student Housing

Housing opportunities for students are available through Atrium Health properties that are located close to one of our primary clinical/laboratory sites.





“One of the best parts is the family-feel and the small classes. You can truly tell that the teachers want us students to succeed and care about our well-being outside the program.”

– Caroline Johnson, BSN alum

“What brought me to Carolinas College was the warm and friendly environment, the awesome instructors and impressive statistics.”

– Ehsan Khodapasand, MLS alum



“I learned so much in clinical settings that other schools don’t even have access to, and the teachers are fully devoted to their students. It’s an experience that I will never regret.”

– Kiara Johnson, ADN alum

"The community that this college has built between the professors and the therapists who work with students is built for you to strive, achieve and be the best therapist you can be."

**– Madeline Phillips,
Radiation Therapy alum**



"My favorite parts are all the hands-on experience I have gained from this course and the friends I have made. It's been difficult at times, but my dad always told me that 'nothing good comes easy.'"

– Chris Nowak, NDT alum

"I found this course to be the perfect blend between the structure I need, while also being a flexible online learning environment. We covered a ton of material in a year, and I was well prepared for the SBB exam. I passed on my first try!"

– Megan Benbow, SBBT alum



To learn more about Carolinas College of Health Sciences,
visit our website at **CarolinasCollege.edu.**

2110 Water Ridge Parkway Charlotte, North Carolina 28217
704-355-5051



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of Health Sciences