

Medical Laboratory Technology

Fall 2018 | *Annual Bulletin*



Coastal Carolina Community College

444 Western Boulevard | Jacksonville, NC 28546
www.coastalcarolina.edu | 910.455.1221



Coastal Carolina Community College

Equal Education Opportunity and Equal Employment Opportunity Policy

No person shall on the basis of race, color, creed or religion, age, sex, national origin, political affiliation, or physical disability status, except where age or physical disabilities are found to be a bona fide occupational qualification, be excluded from employment or participation in, be denied the benefits of, or be subject to discrimination under any program or activity of this institution.

It is the policy of this institution not to discriminate on the basis of sex in the admission requirements, educational programs, activities, or employment policies as required by Title IX in the Educational Amendments of 1972.

In conformance with the provisions of the Rehabilitation Act of 1973, and other applicable laws and regulations, Coastal Carolina Community College will not discriminate against any student, employee, or applicant for admission or employment because of physical disabilities.

The main campus of Coastal Carolina Community College has been designed with the elimination of physical obstacles so that buildings, restrooms, laboratories, and classrooms are readily accessible to and usable by those with physical disabilities.

Any student or applicant for admission with a disability who wishes to request some accommodation must contact the Admissions Office and ask for the Coastal Carolina Community College Request for Accommodation form. If accommodation is not requested in advance in order to provide the College sufficient and adequate time to meet the student or applicant's needs, Coastal cannot guarantee the availability of a reasonable accommodation when it is needed.

Any student or prospective student who believes that discrimination has limited any educational opportunity, or any College employee who believes employment rights have been denied on the basis of discrimination, or any individual who desires information concerning this policy should contact the following designated responsible employee: Affirmative Action Officer and Title IX Coordinator, Henderson Administration Building, (910) 938-6788.

**Coastal Carolina Community College
Medical Laboratory Technology Program**

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Applying to the Medical Laboratory Technology Program

Application Process Begins March 2, 2018, and ends August 3, 2018, or until the program is filled.

Requirements to Apply

1. Submit a current application to the Coastal Carolina Community College Admissions Office.
 - If you are not currently taking classes at Coastal, you must fill out a Coastal Application for Admission. Applications are available online at www.coastalcarolina.edu or you may pick one up in the Admissions Office.
2. Submit ALL official transcript(s) to the Admissions Office. Official transcripts include:
 - High school or high school equivalency
 - ALL colleges or schools attended after high school
 - CLEP (College Level Examination) scores
 - AP (Advanced Placement) scores
3. All Medical Laboratory Technology applicants must take the placement test and receive the minimum scores.
 - *See page 2 for details*
4. Meet Medical Laboratory Technology prerequisites (Math and Chemistry – see below).

MATH: One of the following must be complete or in progress:

- Algebra II – in high school with a grade of “C” or higher (must be 1 high school credit)

OR

- DMA 040 Express/Lin Equa/Inequal **and** DMA 050 Graphs/Equations of Lines **or** MAT 070 Rational Express/Equation, or college level algebra course taken with a minimum grade of "C" or higher. (Statistics will not count as an algebraic math.)

AND

CHEMISTRY: One of the following must be complete or in progress:

- CHM 090 Chemistry Concepts at a North Carolina community college or a transferrable college level Chemistry, with a lab, from any college or university with a grade of “C” or higher within the past 5 years (Fall 2013 or later).

OR

- Chemistry in high school with a grade of “C” or higher within the past 5 years (Fall 2013 or later) **AND** successfully earned a passing score on the Coastal Carolina Community College CHM 090 Chemistry Concepts Competency Quiz (a copy of the competency quiz results must be given to the Medical Laboratory Technology program academic counselor).

- * *If the applicant is currently enrolled in the math and/or chemistry prerequisites when completing the Eligibility Application, the Academic Counselor over the Medical Laboratory Technology program will verify that the required grade has been made, and the Eligibility Application will be viewed as complete and submitted at that time.*

Placement Testing/Scores

To be considered for acceptance, all Medical Laboratory Technology applicants must demonstrate current knowledge in the areas of reading, English, and mathematics.

READING/ENGLISH: One of the following must be completed or in progress before the start of the next cohort:

- Completion of DRE 098/DRE 099 with a grade of "P."

OR

- College-level English (ENG 111, or equivalent, or higher) worth 3 semester hours credit with a grade of "C" or higher completed during or after the Fall 2015 semester. A grade of "C-" will not count for eligibility purposes.

OR

- Receive minimum scores (or higher) on one of the placement tests listed below. Score must have been earned on or after August 1, 2015, to be valid. Applicants may take the placement test twice at Coastal Carolina Community College within a 12-month period.

AND

MATH: One of the following must be completed or in progress:

- Completion of DMA 010, DMA 020, DMA 030, DMA 040, and DMA 050 with a grade of "P."

OR

- College-level math (MAT 143, or equivalent, or higher) with a grade of "C" or higher completed during or after the Fall 2015 semester. A grade of "C-" will not count for eligibility purposes.

OR

- Receive minimum scores (or higher) on one of the placement tests listed below. Score must have been earned on or after August 1, 2015, to be valid. Applicants may take the placement test twice at Coastal Carolina Community College within a 12-month period.

Minimum score requirements

NC DAP		COMPASS		ASSET		SAT (taken prior to 3/16)		SAT (taken after 3/16)		ACT		Accuplacer/CPT	
Reading/ English	155	Writing	77	Writing	42	Writing	520	Reading and Writing	580	Writing	21	Sentence Skills	90
DMA 010	8	Reading	84	Reading	42	Reading	520	Math	570	Reading	22	Reading	84
DMA 020	8	Pre-Algebra	47	Numerical	41	Mathematics	540			Mathematics	23	Mathematics	55
DMA 030	8	Algebra	48	Intermediate Algebra	40							Arithmetic	55
DMA 040	8												
DMA 050	8												

Completing the Eligibility Application

Application process begins March 2, 2018, and ends August 3, 2018, or until the program is filled.

To ensure that we are able to work together without interruption, children are not permitted when completing the Eligibility Application.

- Individuals who have met ALL requirements to apply must meet with an Academic Counselor to complete the Eligibility Application.
- Applicants must ensure that updated official transcripts for all classes taken at a school other than Coastal are submitted by August 15, 2018.
- To receive credit for prerequisite and/or related courses, all updated transcripts must be received by August 15, 2018.

Note: *If the applicant is currently enrolled in the math or chemistry prerequisites when completing the Eligibility Application, the Academic Counselor for the Medical Laboratory Technology program will verify that the required grade has been made, and the Eligibility Application will be viewed as complete and submitted at that time.*

Selection of Qualified Applicants

- All current or returning Coastal students must have a cumulative GPA of 2.0 or higher, or have prior approval of the counselor in charge of Medical Laboratory Technology admissions and the Medical Laboratory Technology Department Head before being eligible to apply.
- The first twenty (20) qualified applicants will be accepted into the Medical Laboratory Technology program.
- An alternate list will consist of the remaining qualified applicants. An alternate applicant will be admitted only if one of the originally accepted applicants declines.
- The Academic Counselor for the Medical Laboratory Technology program will send out acceptance letters or alternate letters to every applicant who has completed a Medical Laboratory Technology Eligibility Application.
- Applicants accepted into the Medical Laboratory Technology program, as well as alternate candidates, must submit a Medical Laboratory Technology Entrance Agreement form, or a Medical Laboratory Technology Alternate Status Agreement form, by the specified deadline.
- The Academic Counselor for the Medical Laboratory Technology program will continue taking applications for available space after initial letters have been mailed until all 20 seats are filled.
- Any applicant who, for any reason, does not enter the Fall 2018 Medical Laboratory Technology program must reapply for acceptance into a subsequent year to the Medical Laboratory Technology program meeting admission requirements for that year. There is NO wait list for the Medical Laboratory Technology program.
- Once a student accepts admission and begins any Allied Health program at Coastal Carolina Community College, all applications on file for any other Coastal Allied Health programs will be cancelled.
- Applicants accepted into the program will be given a dental form, eye examination form, and a student medical form, which must be completed and returned no later than the first day of class. In addition, a criminal background check, a vaccination tracker purchased through CastleBranch.com, and random mandatory drug screening must be completed for required clinical sites. Applicants are strongly advised to make photocopies of their medical forms for their own records.
- The information provided in the student medical form, criminal background check and drug screening is not a consideration in the admissions decision. However, it is possible that the results may prevent the applicant from participating in the clinical rotations and thus from continuing in the program.
- Applicants accepted into the Medical Laboratory Technology program must attend a mandatory orientation held in the summer semester.
- It is every student's responsibility to notify the Admissions Office as well as the Academic Counselor for the Medical Laboratory Technology program of any address and/or phone number change.

NOTE: If you have any questions regarding the submission of the student medical form, criminal background check, vaccination tracker, drug screening, or how the submission of these documents may affect your progression in the program, please contact the Department Head for the Medical Laboratory Technology program at (910) 938-6306 or the Division Chair for Allied Health at 910-938-6292 prior to enrollment.

Frequently Asked Questions

Q: Do I have to take the placement test even though I've taken college English and/or college math?

A: Yes. In order to be considered for acceptance in the Medical Laboratory Technology program, you must have current placement tests on file.

Q: Can I use the scores I received at a previous school?

A: Yes, as long as they are NC DAP, COMPASS, ASSET, SAT, ACT, or ACCUPLACER scores and meet the previously specified time requirements. Additionally, the scores must be officially sent to Coastal Carolina Community College from the school in which testing occurred.

Q: If I do not achieve the minimum score in one area, do I have to retake the whole test again?

A: No, only the portion in which the score was not achieved. You may test twice in a twelve-month period in each section.

Medical Laboratory Technology Curriculum Description

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 the examination given by the Board of Certification of the American Society for Clinical Pathology. Employment opportunities include laboratories in hospitals, medical offices, industry, and research facilities.

This has been identified as a limited enrollment program and may involve certain deadlines. See an academic counselor for additional information. The appropriate course work is listed below.

			Hours Per Week			
			Class	Lab	Clinic	Credit
FALL SEMESTER (1st YEAR)						
BIO	140	Environmental Biology	3	0	0	3
CHM	130	General, Organic and Biochemistry	3	0	0	3
CHM	130A	General, Organic and Biochemistry Lab	0	2	0	1
CIS	111	Basic PC Literacy	1	2	0	2
MLT	110	Introduction to MLT	2	3	0	3
MLT	111	Urinalysis and Body Fluids	1	3	0	2
MLT	115	Laboratory Calculations	2	0	0	2
MLT	140	Introduction to Microbiology	2	3	0	3
			14	13	0	19
SPRING SEMESTER (1st YEAR)						
BIO	163	Basic Anatomy and Physiology	4	2	0	5
ENG	111	Writing and Inquiry	3	0	0	3
MLT	120	Hematology / Hemostasis I	3	3	0	4
MLT	125	Immunohematology I	4	3	0	5
MLT	240	Special Clinical Microbiology	2	3	0	3
			16	11	0	20
SUMMER SEMESTER (Full Session)						
ENG	112	Writing/Research in the Disciplines	3	0	0	3
		Humanities//Fine Arts Elective	3	0	0	3
			6	0	0	6
SUMMER SEMESTER (1st Session)						
MLT	130	Clinical Chemistry I	3	3	0	4
			3	3	0	4
SUMMER SEMESTER (2nd Session)						
PSY	150	General Psychology	3	0	0	3
			3	0	0	3
FALL SEMESTER (2nd YEAR)						
MLT	259	MLT Practicum I	0	0	33	11
MLT	280	Special Practice Lab	0	3	0	1
			0	3	33	12
SPRING SEMESTER (2nd YEAR)						
MLT	217	Professional Issues	0	3	0	1
MLT	269	MLT Practicum II	0	0	33	11
			0	3	33	12
Total Semester Hours:						76

Related College Courses

Because of the academic demands of the Medical Laboratory Technology program, it is to the advantage of the applicant to complete as much of the related coursework as possible before beginning the actual Medical Laboratory Technology program. Candidates may take the following courses at Coastal Carolina Community College or receive credit for equivalent courses with a grade of “C” or higher at an accredited college. Anatomy and Physiology, and General, Organic and Biochemistry classes must be completed within five (5) years of the entry term of the program (Fall 2013 or later). Please check with the appropriate student services personnel (Financial Aid, Veteran’s Affairs, etc.) to determine how taking these related classes will affect your Pell, VA, etc.

Related Classes	
BIO 163**	Basic Anatomy and Physiology
BIO 140	Environmental Biology
CHM 130/130A**	General, Organic and Biochemistry/Lab
ENG 111	Writing and Inquiry
ENG 112	Writing/Research in the Disciplines
CIS 111*	Basic PC Literacy
PSY 150	General Psychology
***	Humanities/Fine Arts

* Not a college transfer class. See course substitutions.

** 5 year limit.

*** See list of options below.

It is **strongly** recommended that all candidates complete ACA 111 College Student Success or ACA 122 College Transfer Success before entering the MLT Program.

Approved Course Substitutions

Required Course	Course Substitution
CIS 111 Basic PC Literacy	CIS 110 Introduction to Computers
BIO 163 Basic Anatomy and Physiology	BIO 168 Anatomy and Physiology I AND BIO 169 Anatomy and Physiology II

***Approved Humanities/Fine Arts Electives

(Choose one (1) class)

ART 111	Art Appreciation	HUM 130	Myth in Human Culture
ART 114	Art History Survey I	HUM 160	Introduction to Film
ART 115	Art History Survey II	HUM 211	Humanities I
DRA 111	Theatre Appreciation	HUM 212	Humanities II
DRA 112	Literature of the Theatre	MUS 110	Music Appreciation
DRA 211	Theatre History I	MUS 210	History of Rock Music
DRA 212	Theatre History II	MUS 213	Opera and Music Theatre
ENG 231	American Literature I	PHI 215	Philosophical Issues
ENG 232	American Literature II	REL 112	Western Religions
ENG 241	British Literature I	REL 211	Intro to Old Testament
ENG 242	British Literature II	REL 212	Intro to New Testament
ENG 261	World Literature I	REL 221	Religion in America
ENG 262	World Literature II		

Academic Regulations

A student will be on probation with the Medical Laboratory Technology program if a final passing grade below a “C+” is earned in one (1) MLT prefix course. A student will be suspended from the Medical Laboratory Technology program if a final grade of “D+” or lower or more than one final grade of “C-” or lower is earned in an MLT prefix course. A student who receives an “F” in a non-MLT course may be permitted to continue in the program if he or she can successfully complete the required course by the end of the summer semester following his or her expected date of graduation.

The possible transfer of MLT prefix courses will be evaluated according to College written guidelines.

Readmission Policy

A student requesting re-admission to the Medical Laboratory Technology program must complete the eligibility requirements in the admission process. Any MLT course for which a grade of “F” was received must be repeated. Requirements for courses successfully completed will be determined individually by the Director for the Medical Laboratory Technology program based on previous academic achievement and/or the time period between the completed courses and re-admission.

Special Requirements

All candidates must be of good physical health and mental ability (including visual acuity and manual dexterity) in order to accomplish the tasks delineated in the Medical Laboratory Technology curriculum.

Applicants who are admitted to the Medical Laboratory Technology program need to be aware of the importance of regular class attendance in order to be successful in their classes. Candidates should coordinate doctor appointments and vacations with college holidays and breaks. Also, it is vital to have child care arrangements worked out in advance in case of children’s illnesses, teacher work days, etc. If excess absences are accumulated, the Medical Laboratory Technology student will be dropped from the program in accordance with the attendance guidelines in the college catalog.

Students accepted into the Medical Laboratory Technology program are strongly advised to limit the number of hours they are employed in order to maximize their potential for academic success in the Medical Laboratory Technology program.

Medical Laboratory Technology students will learn to draw blood and process other body fluids and solids such as sputum, urine, feces, etc. to perform all necessary procedures in their program of study.

Students with pierced ears may wear only one small post earring in each ear. Students will follow agency personnel policies regarding the wearing any other body piercing/gauging ornaments.

Clinical practice consists primarily of rotating through the laboratory departments of blood bank, coagulation, chemistry, hematology, microbiology, serology, and urinalysis at one of the following hospitals:

CarolinaEast Medical Center, New Bern, NC
Carteret General Hospital, Morehead City, NC
Duplin General Hospital, Kenansville, NC
Lenoir Memorial Hospital, Kinston, NC
Naval Hospital, Camp Lejeune, NC
New Hanover Regional Medical, Wilmington, NC
Onslow Memorial Hospital, Jacksonville, NC
Wayne Memorial Hospital, Goldsboro, NC

According to Clinical Affiliation Agreements, students will be required to undergo a random drug testing before clinical at your expense and/or criminal records check before clinical rotation begins. The clinical sites may also require flu shots.

It is the responsibility of all accepted candidates that test positive for hepatitis or HIV to notify:

**Chief, Communicable Disease Control Branch
1902 Mail Service Center
Raleigh, NC 27699-1902**

Tuition and Expenses (Approximate Costs)

1st Year Tuition/Fees

Fall Tuition	\$1,231.00	(In-State/Full Time)
Spring Tuition	1,231.00	(In-State/Full Time)
Books, Fall	465.00	
Books, Spring	400.00	
Disposable Lab Coats	45.00	
Face Shield and Safety Glasses	30.00	
Hepatitis B Antibody Titer	50.00	
American Society for Clinical Lab Science Student Dues	30.00	
Criminal Background Check	50.00	
Vaccination Tracker	30.00	
Professional Liability Insurance	20.00	
TOTAL 1st YEAR	\$3,582.00	

2nd Year Tuition/Fees

Summer	\$1,003.00	(In-State/Full Time)
Fall	927.00	(In-State/Full Time)
Spring	927.00	(In-State/Full Time)
Books, Summer	75.00	
Books, Fall/Spring	0.00	
Disposable Lab Coats	11.00	
Certification Exam Fee	200.00	
Uniforms*	250.00	
White Leather Shoes*	70.00	
PPD*	15.00	
MLT Program Patches*	13.00	
Professional Liability Insurance*	20.00	
Drug Test*	40.00	
Program Pin	50.00	
TOTAL 2nd YEAR	\$3,601.00	

*These items will be required prior to 2nd year fall enrollment.

Costs listed above are estimates and subject to change. In-state tuition rate is based on \$76.00 per credit hour plus student fees. Tuition rates are determined by the North Carolina General Assembly and are subject to change at their discretion.

- Methods of payment: check, cash, money order, financial aid, scholarship, VISA, MasterCard, Discover, and American Express.
- Also consider miscellaneous expenses such as child care and gas expense if assigned to an out-of-county hospital for clinical practice.
- Professional liability insurance fee must be paid at the Coastal Carolina Community College Accounting Office prior to beginning clinical practice.
- Candidates who are admitted to the Medical Laboratory Technology program will need to have a Real ID to participate in clinical rotations aboard Camp Lejeune.

Medical Laboratory Technology Career Opportunities

Starting Salary – usually \$17/hour or approximately \$37,000/year

The Medical Laboratory Technology Associate in Applied Science Degree provides a background for higher degrees in medical technology (4-year degree), medicine, veterinary medicine, chemistry, hematology, microbiology, and immunohematology. The Medical Laboratory Technology degree offers professional advantages because of the availability of jobs in readily accessible settings such as local hospitals. Demand for highly trained clinicians is rising rapidly. The many opportunities listed below can accommodate a variety of personal preferences for scheduling of work hours, employment setting, and areas of specialization.

American Red Cross	Hospital laboratories	Public health clinics
Armed forces	Industry	Reference laboratories
Biomedical products	Laboratory sales	Research
Civil service	Peace Corps	Veterinary laboratories
Doctors' offices	Pharmaceutical firms	and many, many more
Education	Private clinics	

Accreditation and Certification

Coastal Carolina Community College's Medical Laboratory Technology program is accredited through the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS):

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
5600 North River Road, Suite 720
Rosemont, IL 60018-5199
Phone: (773) 714-8880
Fax: (773) 714-8886

After graduation, candidates will be eligible to take the national board examination through the American Society for Clinical Pathology (ASCP).

Financial Aid Information

Federal Aid Sources

- Free Application for Federal Student Aid (FAFSA)
 - Student Services staff provide assistance with filling out the FAFSA.
 - You may contact the Financial Aid Office at (910) 938-6332.
 - Financial Aid services are available to help students Monday, 8:00am–7:30pm and Tuesday through Friday, 8:00am–5:00pm
 - You will need several documents to apply for the FAFSA online.
 - 2016 federal tax returns
 - 2016 W-2's
 - Apply online as soon as possible at www.fafsa.gov. Awards are made until funds are depleted.

State Aid Sources

- Workforce Innovation and Opportunity (WIOA)
 - Human Services provides assistance with applying for the WIOA scholarship. They are located in the Kenneth B. Hurst Continuing Education Building, Room 109.
 - They can be contacted Monday through Friday, 8:00am–5:00pm at (910) 938-6258.
 - You will need to have completed the FAFSA.
 - The scholarship can provide assistance for childcare and uniforms.

Local Aid Sources

- Coastal Carolina Community College Scholarships
 - Scholarships are available from the College Foundation Office in the James L. Henderson, Jr. Administration Building to Coastal students who qualify under specific criteria.
 - All applicants are required to complete the FAFSA in order to be considered for this financial assistance.
 - For a complete listing of Foundation scholarships available for Coastal students, please visit the College Foundation Office in the James L. Henderson, Jr. Administration Building or call (910) 938-6792.

Go online to www.CFNC.org for more financial aid opportunities and information.

Financial Aid Websites

Information regarding scholarship sources is available at no cost, but you have to do your homework. You won't get any better information than you can get from the free services available on the web:

<p>www.FinAid.org Comprehensive Financial Page</p> <p>www.CFNC.org Financial Aid for North Carolinians</p> <p>www.CareersAndColleges.com Scholarship Search</p> <p>www.CollegeNET.com Scholarship Search</p> <p>www.CollegeScholarships.com Scholarship Search</p> <p>www.FastWeb.com Scholarship Search</p> <p>www.Scholarships.com Scholarship Search</p> <p>www.SuperCollege.com Scholarship Search</p> <p>www.NationalMerit.org National Merit Scholarship</p>	<p>www.SallieMae.com Private Alternative Loan</p> <p>www.CollegeAnswer.com SallyMae College Answer</p> <p>www.WellsFargo.com/student Private Alternative Loans</p> <p>www.StudentAid.ed.gov US Department of Education Federal Student Aid</p> <p>www.ed.gov/ThinkCollege US Department of Education Think College</p> <p>www.NAAS.org National Academy of American Scholars</p> <p>www.GoCollege.com Go College: The Collegiate Web Source</p> <p>http://apps.collegeboard.com/cbsearch_ss/welcome.jsp The College Board</p> <p>www.Scholarship-Page.com The Scholarship Page</p>
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Other Career Resources

www.BLS.gov/oco/home.htm
Bureau of Labor Statistics

www.ecu.edu/e3careers
ECU Student Professional Development

www.NCHealthCareers.com
NC Health Careers

Contact Information

For questions about admission to the Medical Laboratory Technology Program, please contact:

Admissions Office
(910) 938-6332

For program specific questions about Medical Laboratory Technology, please contact:

Susan Morton
Program Director
(910) 938-6306

OR

Kristina Stewart-Horton
Division Chair
(910) 938-6292

Transcripts and Applications should be mailed to or dropped off at:

Admissions
c/o Coastal Carolina Community College
444 Western Boulevard
Jacksonville, NC 28546
(910) 938-6332

Accrediting Agency:

National Accrediting Agency for Clinical Laboratory Sciences
5600 North River Road, Suite 720
Rosemont, IL 60018-5199
Phone: (773) 714-8880
Fax: (773) 714-8886

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