

2023-
2024



SHP Admission Packet Medical Laboratory Technology

COMMUNITY COLLEGE OF BALTIMORE COUNTY (CCBC) ESSEX
CAMPUS

WWW.CCBCMD.EDU/SHP

Medical Laboratory Technology

Welcome

On behalf of the School of Health Professions, thank you for your interest in CCBC's Medical Laboratory Technology (MLT) program. The MLT program is designed to provide theoretical, laboratory, and clinical (hands on experience in the work environment) experiences which will enable you to function in the health care field of laboratory medicine. Please carefully review the information contained in this guide to ensure you have completed all the steps required for admission consideration.

I wish you the best with submission of your admission application.

Sincerely,

Candice Grayson, M.S., M.A., MLS (ASCP)^{CM}
Program Director

Program Description

The A.A.S. degree program in Medical Laboratory Technology is designed to prepare students to function in the highly complex arena of laboratory medicine. Medical Laboratory Technicians (MLTs) perform a variety of complex laboratory tests which play an important role in the detection, diagnosis, and treatment of many diseases and in the promotion of health. They develop data on blood, tissues, and other human body fluids by using highly computerized and automated instruments. They interpret patient results, evaluate quality control test results, and maintain equipment in good working order. This program is offered only at the Essex Campus.

The US Bureau of Labor Statistics states that "Employment of medical laboratory technologists and technicians is projected to grow 7 percent from 2021 to 2031, much faster than average for all occupations. An increase in the aging population is expected to lead to a greater need to diagnose medical conditions such as cancer or type 2 diabetes, through laboratory procedures."

The Medical Laboratory Technology program at CCBC offers the full range of clinical and didactic experiences for students who wish to practice as MLTs. Students will complete clinical rotations in local hospitals and reference laboratories.

The program offers articulation agreements with regional four-year schools to enable MLT program graduates to transfer and complete a bachelor's degree in Medical Laboratory Science for those wishing to continue their education.

Application to the School of Health Professions (SHP) is a separate and competitive process from admission to CCBC. CCBC uses an outside vendor to manage the applications in the School of Health Professions Central Application Service (SHP CAS). The SHP CAS and

CCBC are separate systems and do not share information. You must submit two applications and sets of transcripts, one to CCBC and one to SHP CAS. Send inquiries to shpseat@ccbcmd.edu.

Accreditation

Graduates of the program will be eligible to sit for the Board of Certification examination given by the American Society for Clinical Pathology (ASCP). The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) [NAACLS](#) 5600 N. River Road, Suite 720, Rosemont, IL. 60018-5119; (773) 714-8880.

The Student handbook with policies and procedures specific to the program can be mailed to potential students upon request. Contact the Program Director for any questions or concerns.

Admissions Deadline

June 15th for a Fall start

Prerequisite Coursework

Prerequisites must be completed with a ‘C’ or better

• BIOL 109 (or both BIOL 220/221)	• MLTC 101
• BIOL 110	• ENGL 101
• CHEM 107/108	

Additional Coursework

These courses are not required to be completed by the admission deadline, however, it is recommended that they are complete prior to program admission. Completed courses must have a ‘C’ or better grade

- BIOL 230
- CHEM 131 or CHEM 146/147

General Education Coursework

These courses are required for the degree and must be completed with a ‘C’ or better grade. Completed courses are considered for admission.

- CSIT 101
- SOCL 141
- MATH 135
- CMNS 101

Admission Criteria

Admission to this program is competitive and selective, based on grades in prerequisite courses and general education courses. Applicants must have:

- A CCBC of 2.00 or higher on any courses completed at CCBC.
- A 2.00 or better GPA on prerequisites.
- Signed Medical Laboratory Technology Essential Functions - Technical Standards form - mandatory
- Selected applicants must participate in an interview with the program.
- Prior to application review, official transcripts from all colleges (except CCBC) must be evaluated by the CCBC Registrar's Office for transfer of credit. Only courses that transfer into CCBC will be considered for admission. Review the “How to submit your final transcript” section of the Apply Now webpage at: <https://www.ccbcmd.edu/Get-Started/Take-classes/Take-a-credit-class/Transfer-to-CCBC-from-another-college.aspx>. It is strongly recommended that SHP applicants speak specifically with a Health Professions Pathways Advisor early in the application process to review courses required for admission and graduation.

Transfer of Credit

Beginning with the Fall 2023 semester, CCBC updated its general education transfer process following the MD Transfer with Success Act. DegreeWorks is displaying transfer courses according to the new rules. Students admitted into a selective admission, SHP program for the 2023-2024 catalog year will be grandfathered with the previous policy and not required to take requirements previously met by transferred courses. Students who are admitted into a selective admissions program in Fall 2024 or later must take courses as listed in the CCBC catalog and their DegreeWorks audit. Review DegreeWorks to verify transferred credit, if applicable. Please see a Health Professions Academic Advisor with questions.

Steps for Application

1. Apply for admission to CCBC at <http://www.ccbcmd.edu/apply>
2. Participate in assessment testing, if necessary.
3. If transferring to CCBC, the applicant must submit transcripts to CCBC and submit a transfer evaluation form found near the bottom of the webpage - <https://www.ccbcmd.edu/resources-for-students/student-records-and-transcripts>
4. Complete prerequisite courses as necessary.
5. Once you have your CCBC Student ID number, log into <https://shp.liaisoncas.com/applicant-ux/#!/login> and apply to the **CCBC SHP MLT** program by the application deadline. The **non-refundable** \$50 application fee is due at time of submission.
6. It is the sole responsibility of the student to ensure that all documents have been received or uploaded into the SHP CAS by the June 15th deadline.
7. Applicants will receive an **email** inviting them to complete the **CCBC SHP Supplemental application** once their program SHP CAS application has been verified.

Instructions will be in the email.

8. Qualified applicants will be invited to participate in an interview.

TRANSCRIPTS

Official transcripts from ALL US colleges and universities attended by the applicant are required to be submitted to the SHP CAS and to the CCBC Registrar. Official AP and CLEP scores should be sent directly to the CCBC Registrar/Office of Enrollment Services. The unofficial score report of AP or CLEP, may be sent directly to the School of Health Professions Admissions office. Do not send AP or CLEP scores to the SHP CAS.

Please read these instructions carefully. Transcripts should be sent to the SHP CAS Transcript Processing Center and to CCBC, 4 to 6 weeks prior to the application deadline. If the program that you are applying only requires an unofficial transcript sent to the SHP CAS, you must still submit Official Transcripts to CCBC for transfer of credit.

How to Send Transcripts to the SHP CAS

1. Enter your colleges or universities in the **Colleges Attended** section of the application before requesting any transcripts.
2. Click **ORDER** under each school you have listed.
3. You may choose to send the transcript electronically (recommended) or as a paper copy through the US Postal System. You only need to submit one transcript from each school regardless of the number of programs you are applying.
 - o To Send an Electronic Transcript
 1. Choose one of the e-transcript services listed. CCBC uses Parchment. Search for the school that you attended. Complete the prompts to make an account. You will be asked where you would like the credential/transcript sent, type SHP CAS into the search bar.
 2. You will then be asked for the Application ID, this number is found in the 'Order Your Official Transcript' screen in the SHP CAS application, in Step 3. Copy and paste the number in the space on the e-transcript service page.
 3. Complete the form request by signing and paying for the transcript. You will receive a receipt that the transcript has been ordered.
 - o To Send a Paper Copy Using the US Postal Service
 1. You can use the mail system to send paper copies of your Official Transcript. Click on the word 'Order', chose Option 2: Order a Mailed Paper Transcript. Click 'Download Transcript ID Form' and print the form. Contact the Registrar at each institution you attended and request one official transcript be sent to SHP CAS.
 2. Provide the Registrar with the following items:
 - a. SHP CAS Transcript ID Form. Ask the Registrar to attach it to

your official transcripts. This form is not required, but strongly recommended as it helps ensure your official transcripts are properly matched to your application. If you cannot use this form, make sure the registrar prints "SHP CAS" and your full SHP CAS ID number on the transcript before mailing it.

- b. Give the Registrar this mailing address:
SHP CAS Transcript Processing Center
PO Box 9134
Watertown, MA 02471

How to Send Transcripts to the CCBC Registrar

Use this link to send your transcripts from all colleges attended, except CCBC, to CCBC Enrollment Services: <https://www.ccbcmd.edu/Get-Started/Take-classes/Take-a-credit-class/Transfer-to-CCBC-from-another-college.aspx>. Evaluation of your application will be delayed if you do not submit transcripts to the CCBC Registrar's Office.

How to Send CLEP, AP and/or International College Transcript Evaluations

Send Official scores and evaluation directly to the CCBC Registrar office using this link, <https://www.ccbcmd.edu/Get-Started/Take-classes/Take-a-credit-class/Transfer-to-CCBC-from-another-college.aspx>. Unofficial copies can be sent to the SHP Admission Office at, shpseat@ccbcmd.edu.

How to Check that Transcripts are Received

Applicants are responsible for checking to see that the official transcripts have been received at the required locations (SHP CAS AND CCBC)

1. SHP CAS - log into your CAS applications and select the Check Status tab in the upper right corner. All expected transcripts will be listed and it will be noted if the transcript has been received or not. Contact the SHP CAS directly by clicking on the blue question mark at the top of the application if you have questions about your transcript.
2. CCBC Enrollment Services – Log into your CCBC SIMON account to determine if your transcripts have been received and to review any transfer of credits. You can contact transfereval@ccbcmd.edu if you have a question about courses that may or may not have been transferred into CCBC.

Admission Response

Admissions decisions are emailed to applicants once interviews have been completed. Emails are usually sent two weeks after the interviews have ended.

Service Work

Each clinical laboratory rotation experience will enhance the student’s integration of theory and practical skills. Students will perform actual laboratory testing under the supervision of the clinical instructor. Students cannot perform laboratory testing or report laboratory results without the supervision or co-signature of the clinical instructor. Although students are encouraged to help with the work in an assigned laboratory, they are not to take the place of a paid employee.

Post Admission

All students in the School of Health Professions are required to conduct themselves according to an honor code, exhibit professional behavior, communicate effectively in English, provide proof of health insurance and immunizations including COVID 19, and participate in a criminal background check. They may also be required to submit to random urine drug testing at clinical sites.

Who to Contact

Academic Advising – Advising is available at all campuses and extension centers. Please ask to speak with a **Health Professions Pathways Advisor** only. For the Essex campus call 443-840-1973 or visit the Student Services Center room 120A. The hours, addresses and phone numbers for all sites can be found by calling 443-840-2222 or online at <http://www.ccbcmd.edu/Resources-for-Students/Academic-Advisement/Contact-an-AcademicAdvisor.aspx>.

Program Director –Candice Grayson at cgrayson@ccbcmd.edu

Clinical Coordinator –Karen Beck at kbeck2@ccbcmd.edu

School of Health Professions Admissions Office at 443-840-1989 or email shpseat@ccbcmd.edu

Ranking Criteria Point System

Overall CCBC GPA of 2.0 Yes or No

Note: Points are taken off the applicant’s score for every science course repeated within the last five years.

Prerequisite Courses and Sciences (must have C or better in all courses)

Point possibilities: A=10 B=6 C=2 D=0 *A=5 B=3 C=1 D=0

Course	Grade	Deductions	Points	Comments
BIOL 109				
BIOL 110				
CHEM 107				
CHEM 108*				

Course	Grade	Deductions	Points	Comments
MLTC 101				
CHEM 131 or 146 & 147				
BIOL 230				
	Totals			

Total Points _____ /70 possible points

Other Program Courses (must have C or better in all courses)

Point possibilities: A=5 B=3 C=1 D=0

Course	Grade	Points	Comments
ENGL 101			
CSIT 101			
MATH 135			
SOCL 141			
CMNS 101			

Total Points _____ /25 possible points

Interview Score

Attach interview score sheet from Program Director. Note: A really poor performance on the interview will be sufficient reason for denial of admission into the program.

Total Points _____ /50 possible points

Total application score _____

Essential Functions

The primary goal of the Medical Laboratory Technology program is to prepare qualified graduates for entry level employment in clinical laboratories.

The duties of the Medical Laboratory Technician require the operation of complex, automated lab equipment in a safe and effective manner.

The accrediting agency for the Medical Laboratory Technology Program (the National Accrediting Agency for Clinical Laboratory Sciences or NAACLS) mandates that students be informed of essential functions necessary to perform activities related to the major and the practice of medical laboratory technology.

Following is a listing of the types of skills usually required for job performance:

I. Physical Requirements:

A. Sufficient strength and mobility to:

- Lift up to 20 pounds on an infrequent basis
- Transport equipment and supplies usually less than 40 pounds from one area to another
- Reach equipment on shelves higher than eye level
- Work at countertops and bench tops having an average height of 40-46 inches
- Repeating the same motion over and over again
- Stand/walk for prolonged periods 45 minutes per hour or greater

B. Fine motor coordination sufficient to perform manual manipulation of lab equipment such as:

- Pipettes, glass slides, and tubes
- Plating media and cover slips
- Specimen materials

C. Adequate vision to:

- Read tube labels, instrument control panels, computer screens, and printouts
- Perform microscope work in blood bank, microbiology, hematology, and urinalysis
- Distinguish color coding, fine gradation of colors, and biochemical reactions
- View computer screens, paper reports/documents, charts, and results for prolonged times

D. Sufficient hearing to:

- Answer phones, beepers, and alarms
- Respond to questions
- Receive directions

II. Interpersonal Skills:

The ability to:

- Work in a professional manner with patients of all ages, races, creeds, and physical condition while maintaining and respecting patient confidentiality and privacy
- Interact with other members of the health care team in a polite, professional manner
- Communicate and receive written and verbal instructions in English and accurately carry them out using proper channels of communication
- Use accurate verbal written communications in English to interpret laboratory data, obtain and document relevant clinical information, comprehend, and carry out physician requests, and provide patient/public education related to the profession of medical technology

III. Intellectual Ability and Emotional Stability to:

- Exercise independent judgment and avoid distraction in the technical performance of laboratory procedures
- Solve laboratory mathematical problems quickly and accurately
- Prioritize requests and work concurrently on at least two different tasks
- Work under time constraints
- Work calmly and efficiently in stressful situations
- Recognize emergency situations and take appropriate actions
- Complete program requirements

IV. Environmental Requirements:

Laboratory work involves risks or discomforts that require special safety precautions, additional safety education, health risk monitoring, working with sharps, chemicals, and infectious materials.

- Use protective clothing or gear such as masks, goggles, gloves and lab coats or aprons
- Work safely with potential chemical, radiologic, and biologic hazards using universal precautions

Medical Laboratory Technology students are required to:

- Submit proof of current enrollment in a health insurance plan (*each semester*)
- Receive a Hepatitis B Vaccine series or sign a waiver
- Receive the Flu Vaccine (*by October 15th of the clinical rotation semester*)
- Provide proof of immunizations against infectious diseases such as COVID19, varicella, Tdap, measles, mumps, and rubella; along with exposure testing to tuberculosis (*prior to clinical rotations*)
- Submit to periodic drug testing/screening (*prior to clinical rotations*)
- Complete background check (*prior to clinical rotations*)

Declaration - I have read and understand the essential functions/technical standards required for the Medical Laboratory Technology Program. I hereby declare that I am able to meet the above-listed essential technical standards. BE SURE TO SUBMIT WITH APPLICATION.

Name Printed

Student Signature

Date