

HISTOLOGIC TECHNICIAN CERTIFICATE

The Histologic Technician Certificate Program provides students with academic and practical training for job-entry skills in anatomic pathology. The program is approved by the Board of Regents of the University System of Georgia and is accredited by the:

National Accreditation Agency for Clinical Laboratory Sciences (NAACLS)

5600 N. River Road
Suite 720
Rosemont, IL 60018

Phone 773-714-8880, www.naacls.org. (<http://www.naacls.org/>)

Completion of a NAACLS accredited Histologic Technician Certificate Program will qualify the student to take their national board exams.

ADMINISTRATIVE WITHDRAWALS

Students may be withdrawn from the program and/or from a clinical affiliate for lack of competence, if determined to pose a threat to the health or safety of others, for failure to comply with the ASU Code of Conduct or failure to comply with the policies of a clinical affiliate.

DRUG SCREEN AND CRIMINAL BACKGROUND CHECKS

Students may be subject to drug screens and criminal background checks as a requirement for participating in program activities. Students are also subject to drug screens requested at random or for probable cause.

Students may be prevented from participating in program activities until results are provided and they are approved for return to program activities.

PROGRAM COST REQUIREMENTS

Item	Cost
Background Check	\$50.00
Test Fee	\$215.00
Acemapp Fee	\$50.00
Liability Insurance	\$18.00
Uniforms/lab coat	\$150.00
Special Immunization (HBV)	\$200.00
Drug Screen	\$100.00
Total	\$833.00*

*Estimate only. This could be higher or lower depending on the items purchased.

APPLICATION DEADLINE

Semester	Application Deadline
Fall	Early acceptance May 15th Deadline June 30th

Spring

Early acceptance September 30th

Deadline November 30th

Histologic Technician Certificate Program Admission

- Admission to Albany State University
- Prior college degree.
- Completion of Algebra, Chemistry and Biology with a "C" or higher. Coursework in Biology would preferably be Anatomy & Physiology. Acceptance of coursework will be at the discretion of the Program Director.
- Applicants must have a minimum overall GPA of 2.5.
- Program application required.¹

¹ Applications are available through the Program Director or in the Health Sciences office at Albany State University ASU West Campus. Applications are also available from the program homepage at:

<https://www.asurams.edu/academic-affairs/dchealthprof/docs/HT-Application.pdf>

Selection

The Program Director will review the completed folders once applicants meet the general admission criteria for the program. Students for the program are selected from the applicants according to the following criteria:

- GPA (cumulative or last 35-hrs)
- Observation hours observed in a Histology Laboratory setting
- Appropriate professional recommendations received (2)
- Clinical Affiliation (online only)
- Completed HT application

Applicants with the highest point accumulation are selected until the class positions are filled. Class size is 20 for the fall semester and 10 for the spring semester.

Additional Requirements

- Students are required to submit a copy of a recent physical exam prior to program acceptance.
- Students are required to meet the health requirements of the clinical affiliate to which they are assigned.
- Students must have documented immunization to Hepatitis B.
- Liability insurance is required upon enrollment in the program.
- To satisfactorily complete the curriculum and to develop required skills the students must have:
 - Visual acuity (with or without corrective lenses) to observe and perform technical procedures; to identify and differentiate specimens, reagents and equipment; be able to see color, to read laboratory manuals, procedures, policies, specimen labels and materials pertinent to professional practice;
 - Physical ability to manipulate laboratory instruments and equipment in a manner consistent with operational procedures;

- iii. Manual dexterity to operate laboratory equipment and use tools in a manner consistent with operational guidelines.

Clinical Assignments

The program director or designated staff will arrange clinical assignments with the program's approved affiliates for on-campus students only. Students must be prepared to travel to the clinical training facility.

Continuation in the Program

Students must make a grade of "C" or better in all Histologic Technician Program (MLTS) courses. A student can repeat a single course in which the score is less than a "C."

A student repeating a course in which an unsatisfactory grade was received will experience a delay in clinical placement granted the course is satisfactorily completed on the second attempt.

A student withdrawing from the program or a program course may be considered for admission in subsequent classes at the time of the next class selection.

Students absent from the program for a period exceeding one semester will be required to demonstrate prior course competency by exam or repeat for credit.

Students that fail more than one professional (MLTS) course which includes the repeat of a course will be dismissed from the Program and will not be allowed to return.

Histologic Technician Certificate (fall semester start)

Code	Title	Semester Hours
Prerequisite Coursework: Prior degree and the following courses		
MATH 1111	College Algebra	3
BIOL 2411K & BIOL 2412K	Human Anatomy and Physiology I and Human Anatomy and Physiology II ²	8
CHEM 1211K & CHEM 1212K	Principles of Chemistry I and Principles of Chemistry II ²	8
Total Semester Hours		19
Course	Title	Semester Hours
Fall		
MLTS 1300	Introduction to Histology	3
MLTS 1310W	Histology I	3
MLTS 1310L	Histology I Lab ¹	1
MLTS 1320W	Histology II	2
MLTS 1320L	Histology II Lab ¹	1
MLTS 1330	Histology III ¹	1
Semester Hours		11
Spring		
MLTS 1340	Clinical Histology Externship ¹	5
MLTS 1350	Histology V	2

MLTS 1360	Histology VI	1
Semester Hours		8
Total Semester Hours		19

- ¹ Courses are to be completed at an approved clinical affiliate for online students.
- ² One Chemistry and one Biology course will satisfy the prerequisites for the program, but to meet the hospital's accrediting body's standards, two courses in Chemistry and Biology will be needed.

NOTE: Students must score a "C" or higher in all Histologic Technician Program courses in order to successfully complete each course. Satisfactory completion of the Albany State University NAACLS Accredited Histologic Technician Certificate Program provides the necessary qualifications for National Certification Examinations.

Depending on your enrollment status, you may be required to take ASU 1101, "First Year Experience."

Histologic Technician Certificate (spring semester start)

Code	Title	Semester Hours
Prerequisite Coursework: Prior degree and the following courses		
MATH 1111	College Algebra	3
BIOL 2411K & BIOL 2412K	Human Anatomy and Physiology I and Human Anatomy and Physiology II ²	8
CHEM 1211K & CHEM 1212K	Principles of Chemistry I and Principles of Chemistry II ²	8
Total Semester Hours		19
Course	Title	Semester Hours
Spring		
MLTS 1300	Introduction to Histology	3
MLTS 1310W	Histology I	3
MLTS 1310L	Histology I Lab ¹	1
MLTS 1320W	Histology II	2
MLTS 1320L	Histology II Lab ¹	1
MLTS 1330	Histology III ¹	1
Semester Hours		11
Summer		
MLTS 1350	Histology V	2
MLTS 1360	Histology VI	1
Semester Hours		3
Fall		
MLTS 1340	Clinical Histology Externship ¹	5
Semester Hours		5
Total Semester Hours		19

- ¹ Courses are to be completed at an approved clinical affiliate for online students.

² One Chemistry and one Biology course will satisfy the prerequisites for the program, but to meet the hospital's accrediting body's standards, two courses in Chemistry and Biology will be needed.

NOTE: Students must score a "C" or higher in all Histologic Technician Program courses in order to successfully complete each course. Satisfactory completion of the Albany State University NAACLS Accredited Histologic Technician Certificate Program provides the necessary qualifications for National Certification Examinations.

Depending on your enrollment status, you may be required to take ASU 1101, "First Year Experience."

MLTS 1160L. Medical Laboratory Technology I Lab (Hematology). (1 Credit)

The laboratory component of the course is utilized to develop skills and competencies required to perform laboratory analysis of blood and body fluids. Corequisite: MLTS 1160W. Offered: Fall, online and traditional options.

MLTS 1160W. Medical Laboratory Technology I (Hematology). (3 Credits)

An in-depth study of the sciences of hematology and body fluids analysis. It deals with the morphology of blood and blood-forming tissues, the principles of blood sample collections, and the composition and function of multiple body fluids. Physiology and pathology are emphasized. Corequisite: MLTS 1160L. Offered: Fall, online only.

MLTS 1161L. Medical Laboratory Technology II Lab (Blood Bank). (1 Credit)

The laboratory component of the course is utilized to develop skills and competencies required to perform blood banking procedures and to maintain procedures for the efficient operation of a blood bank. Corequisite: MLTS 1161W. Offered: Spring, online only.

MLTS 1161W. Medical Laboratory Technology II (Blood Bank). (3 Credits)

This course provides an introduction to the principles of immunology and provides the student with a concise and thorough guide to transfusion practices and immunohematology. Corequisite: MLTS 1161L. Offered: Spring or Fall if approved by program director, online only.

MLTS 1182. Parasitology, Mycology, and Virology. (3 Credits)

A course in clinical parasitology, mycology, and virology covers human fungal, parasitic and viral infections. The course presents mechanisms of infection, life cycles, and infectious states of the organisms as well as disease progression within the host and the practical application of laboratory procedures for detection and identification. Also included is safety, specimen collection, preservation, transport, methods of identification and therapy. Prerequisites: BIOL 2211K. Offered: Summer, online only.

MLTS 1300. Introduction to Histology. (3 Credits)

This course emphasizes the introductory study of basic histology. Structure and identification of tissue systems and organs is emphasized at the cellular level. The laboratory component is structured to enhance the student's knowledge of certain histological preparations of human and veterinary tissue. Identification of images is achieved through virtual microscopy. Offered: Fall, Spring.

MLTS 1310L. Histology I Lab. (1 Credit)

The course is a laboratory component complementary to MLTS 1310W. It is utilized to develop entry level skills required to perform non-staining histological procedures. Corequisite: MLTS 1310W. Offered: Fall, Spring.

MLTS 1310W. Histology I. (3 Credits)

This course emphasizes some of the competencies required to perform routine histological procedures. These would include tissue fixation, principles and application of microtomy, embedding techniques, laboratory operations, decalcification, solution preparation, and processing. Corequisite: MLTS 1310L. Offered: Fall, Spring.

MLTS 1320L. Histology II Lab. (1 Credit)

The laboratory component of the course is utilized to develop skills required to perform routine and special stains. Students will identify and provide clinical correlation of routine and special stains. Corequisite: MLTS 1320W. Offered: Fall, Spring.

MLTS 1320W. Histology II. (2 Credits)

This course emphasizes the fundamentals and clinical significance of routine and special histological staining procedures. The student will differentiate between different classes of special stains performed in a histology laboratory. Corequisite: MLTS 1320L. Offered: Fall and Spring.

MLTS 1330. Histology III. (1 Credit)

Students practice histotechnology procedures in a supervised histology lab setting. The laboratory component of the course is utilized to develop skills and competencies required to perform routine and special histology procedures. Offered: Fall, Spring.

MLTS 1340. Clinical Histology Externship. (5 Credits)

This course is the practicum designed to enhance and refine techniques taught in the first semester. Students are required to complete at least 300 clinical hours in an approved affiliate histology laboratory. Orientation to department and institutional policies and procedures is required. Prerequisites: MLTS 1300, MLTS 1310L, MLTS 1310W, MLTS 1320L, MLTS 1320W, MLTS 1330. Offered: Spring, Fall.

MLTS 1350. Histology V. (2 Credits)

A study of immunohistochemistry procedures and interpretations. Prerequisites: MLTS 1300, MLTS 1310L, MLTS 1310W, MLTS 1320L, MLTS 1320W, MLTS 1330. Offered: Spring, Summer.

MLTS 1360. Histology VI. (1 Credit)

Various professional topics are presented for discussion including board exam reviews, professionalism, laboratory information systems, and management principles. Prerequisites: MLTS 1300, MLTS 1310L, MLTS 1310W, MLTS 1320L, MLTS 1320W, MLTS 1330. Offered: Spring, Summer.

MLTS 2010L. Medical Laboratory Technology III Lab (Microbiology). (2 Credits)

The laboratory component of the course develops the skills and competencies required to perform the diagnostic procedures in clinical microbiology. Prerequisite: BIOL 2211K. Corequisite: MLTS 2010W. Offered: Spring; online and traditional options.

MLTS 2010W. Medical Laboratory Technology III (Microbiology). (2 Credits)

This course presents a study of human clinical bacteriology including general bacteriology, aerobic gram-positive cocci, gram-negative bacilli, gram-negative cocci, gram-positive bacilli and anaerobes. Discussion is centered on the cultivation, methods of identification, antimicrobial susceptibility testing, serological diagnosis and correlation to disease states. Prerequisites: BIOL 2211K. Corequisite: MLTS 2010L. Offered: Spring or Fall if approved by program director, online only.

MLTS 2020L. Medical Lab Technology IV Lab (Chemistry). (1 Credit)

The laboratory component is used to develop the skills and competencies required to operate and standardize the instruments utilized in the performance of chemical tests. The use of quality control is emphasized. Corequisite: MLTS 2020W. Offered: Summer; online and traditional options.

MLTS 2020W. Medical Laboratory Technology IV (Chemistry). (3 Credits)

An in-depth study of analytical techniques utilized to measure the biochemical entities of blood and various body fluids. The correlation of test results to human physiology and pathology is emphasized. Prerequisite: CHEM 1212K. Corequisite: MLTS 2020L. Offered: Summer or Fall if approved by program director, online only.

MLTS 2630. Medical Laboratory Technology Externship. (15 Credits)

Students are introduced to the clinical laboratory in an affiliate clinical laboratory setting. The students receive an orientation to each department and an introduction to hospital policies and procedures. Each student rotates through appropriate departments and is allowed to demonstrate and develop their skills and competencies in blood bank, hematology, microbiology, chemistry, phlebotomy and body fluid analysis under the supervision of the laboratory staff instructor. Prerequisites: MLTS 1160W, MLTS 1160L, MLTS 1161W, MLTS 1161L, MLTS 1182, MLTS 2010W, MLTS 2010L, MLTS 2020W, MLTS 2020L. Corequisite: MLTS 2670. Offered: Fall.

MLTS 2670. Seminars in Medical Laboratory Science. (1 Credit)

Seminar presentations on various topics related to medical laboratory science (topic reviews for board exams, professionalism, laboratory information systems, case presentations and/or other). Prerequisites: : MLTS 1160W, MLTS 1160L, MLTS 1161W, MLTS 1161L, MLTS 1182, MLTS 2010W, MLTS 2010L, MLTS 2020W, MLTS 2020L. Offered: Fall; online option only.