

Associate of Applied Science Degree Science and Health Technologies

Histotechnology (9395)

This program will be available Fall Semester 2008 pending final approval by the Ohio Board of Regents. The program is currently seeking accreditation by the National Accrediting Agency for Clinical Laboratory Sciences.

Occupational Description

A histotechnician is an individual who is trained in the preparation and staining of tissue slides for microscopic examination and disease diagnosis by the pathologist. Histotechnicians may be employed in a variety of areas, such as hospitals, clinics, doctors' offices, research, veterinary pathology, marine biology, and forensic pathology. Histotechnicians may preserve organs for later examination and perform enzyme immunohistochemistry techniques. Histotechnicians may also assist the pathologist in the preparation of frozen tissue sections which are used to provide rapid diagnosis.

Mission

Lakeland Community College's Histotechnology Program prepares students to enter this field with entry-level knowledge, competencies, ability and problem-solving skills needed to function in the routine pathology laboratory setting.

Graduates of the program will be eligible for:

- Employment as an entry level practitioner in hospitals, clinics, doctor's offices, and research facilities.
- Transfer to a bachelor degree program
- The national certification examination for HT given by ASCP (American Society of Clinical Pathology)
- Possess the skills of current histotechnology practices as entry level practitioners

Program Outcomes/Goals

The outcomes/goals of the Histotechnology Program will be to:

1. Provide the students with the knowledge and technical skills for career entry into the profession of histotechnology.
2. Prepare students to meet the criteria to sit for the ASCP Board of Registry Examination for Histotechnology.
3. Cultivate personal growth and development through humanities, social science, and communication courses.
4. Develop interpersonal skills and attitudes needed to interact with clients, laboratory staff and other researchers, pathologists, and healthcare professionals.
5. Promote students' awareness of medical ethics and develop their professionalism.

ADMISSION PROCEDURES:

Students must meet specific admission requirements for this program. Listed below are requirements for admission to the Histotechnology Program:

OPTION 1: High School Option

This option is for current high school seniors or high school graduates who apply to the program within two years of high school graduation.

Please Note: Deadlines for submission of applications may be obtained from the admissions or counseling offices.

- Complete college application(s).
- Composite score of 21 or higher on the American College Test (ACT) or combined score of 1400 on the Scholastic Aptitude Test (SAT).
- Complete high school algebra, chemistry, and biology with a "C" grade or better.
- An overall high school GPA of 2.5 on a 4.0 scale or equivalent.
- Meet with the program director and counselor to review program prerequisites and requirements.

Upon successful completion of the above criteria, the applicant will be admitted into the program. Students must complete HLTH 1210 (Medical Terminology) with a "C" grade or better prior to enrolling in their first health technology course.

OPTION 2: College Option

This option is for students who do not qualify for admission under Option

1. **Please Note: Deadlines for submission of applications may be obtained from the admissions or counseling offices.**

- Complete college application(s).
- Submit high school transcript as well as any college transcript(s).
- Successful passing score on the required program pre-admission test.
- Meet with a counselor to review program prerequisites and requirements.
- The following courses, or equivalent courses at other regionally accredited colleges, must be completed with a "C" or better and have a minimum cumulative GPA in program applicable courses of 2.5 or better.
 - HLTH 1210 Medical Terminology
 - BIOL 2210 Anatomy & Physiology I

NOTE: Students must meet one of these requirements to take BIOL 2210:

1. High school biology within last five years and high school chemistry.
2. High school biology within last five years and CHEM 1100 Elementary Chemistry.
3. Biology 1200 Fundamentals of Biology for the Health Technologies.

Students are required to take the Math Placement Test and be placed into MATH 1550 or complete MATH 0950 with a "C" grade or higher.

All students enrolled in a nursing or allied health program/certificate must complete a criminal background check. In accordance with clinical site requirements, students with a criminal record may be ineligible to participate in a clinical course/rotation/practicum. Delays, for any reason, in obtaining background results may cause an interruption in the clinical rotation sequence or inability to complete program requirements. Additional background screening may be required by individual facilities.

Drug Testing may be requested in accordance with clinical affiliation requirements and/or for patient/student health and safety.

Students must meet specific admission requirements for this program.

First Semester:

BIOL 2210	Anatomy and Physiology I	4
ENGL 1110*	English Composition I (A)	3
OR		
ENGL 1111	English Composition I (B)	
CHEM 1100	Elementary Chemistry	4
HSTY 1100	Introduction to Histotechnology	4
SPCH 1050**	Fundamentals of Public Speaking	2
OR		
SPCH 1150	Fundamentals of Interpersonal Communication	

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Second Semester:

BIOL 2220	Anatomy and Physiology II	4
ENGL 1120	English Composition II	3
HSTY 2050	Histochemistry	3
HSTY 2100	Histology	3
MDLT 2250	Clinical Immunology	3

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Summer:

BIOL 2700	Microbiology	4
CHEM 1150	Introduction to Organic Chemistry	4
ITIS 1000	Introduction to Personal Computers	1

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Third Semester:

HLTH 2100	Pathophysiology	3
HSTY 2150	Laboratory Molecular Diagnostics	3
HSTY 2250	Histotechnology	3
MATH 1550	Statistics	4

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Fourth Semester:

HSTY 2300	Histotechnician Clinical Directed Practice	6
HSTY 2400	Histotechnician Seminar	2
PSYC 1500	Introduction to Psychology	3
OR		
SOCY 1150	Principles of Sociology	
Choose course(s) from the Arts and Humanities Electives list		

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Program Total: 69

**English course selection is based on placement test results (ENGL 1111 is 4 credits, only 3 credits apply to the degree).*

****Students may substitute SPCH 1100. This 3 credit course may be required for students transferring to a four-year college.*

Arts and Humanities Electives: minimum 3 credits

ARTS 1120, 2220, 2230, 2240; ENGL 2250, 2260, 2280, 2290; HUMX 1100, 1200; MUSC 1200, 2200, 2250; PHIL 1500, 2000