

Proposed Changes to Regulations Governing Education Program Registration

CLINICAL LABORATORY TECHNOLOGIST

Governing Statute: Education Law § 8605 (1)

"1. Licensure as a clinical laboratory technologist.

(a) Application: file an application with the department;

(b) Education: have received an education, including a bachelor's degree in clinical laboratory technology from a program registered by the department or determined by the department to be the substantial equivalent, or a clinical laboratory technology program accredited by a national accrediting organization acceptable to the department, or have received a bachelor's degree that includes a minimum number of credit hours in the sciences and received appropriate clinical education in an accredited clinical laboratory technology program or a program to be determined by the department to be the substantial equivalent;...."

Proposed Regulatory Revisions

Note: Language to be deleted is highlighted in yellow. Language to be added is underlined and bolded.

52.38 Clinical laboratory technology.

(a) In addition to meeting all applicable provisions of this Part, to be registered as a program recognized as leading to licensure as a clinical laboratory technologist, which meets the requirements of section 79-13.1 of this Title, the program shall:

(a) 1 be a program in clinical laboratory technology leading to a baccalaureate or higher degree or advanced certificate which contains didactic and clinical education that integrates pre-analytical, analytical, and post-analytical components of laboratory services, **including the principles and practices of quality assurance/quality improvement, and which is designed and conducted to prepare graduates to practice clinical laboratory technology using independent judgment and responsibility and prepares graduates for safe and effective practice as a clinical laboratory technologist consistent with paragraph (a) of subdivision (2) of section 8601 of the education law;**

(b) 2 include coursework, which **shall** **may** include a laboratory component **in each area**, in each of the following subject areas or their equivalent as determined by the department:

(1) inorganic chemistry;

(2) analytic chemistry and/or biochemistry;

(3) (i) clinical chemistry;

(4) physiology, with anatomy content;

(ii) clinical microscopy, including urine and body fluids analysis;

(5) (iii) immunology/serology;

(6) (iv) immunohematology [(blood bank)] (transfusion medicine);

(7) (v) hematology/hemostasis[, and body fluids];

(8) (vi) molecular biology [and diagnostics; and] or cell biology or genetics;

(9) (vii) [microbiology and] clinical microbiology, including bacteriology, mycology, parasitology, and virology; [and]

(viii) mathematics or statistics; and,

(ix) laboratory operations, including, but not limited to, quality control, quality assurance, equipment use and maintenance, record keeping, laboratory procedures, and safety; and

[(c) include curricular content in each of the following subject areas or their equivalent, as determined by the department:

- (1) organic chemistry;
- (2) statistics;
- (3) infection control and universal precautions (standard precautions);
- (4) the maintenance of equipment and records; and
- (5) ethics; and

([d] 3) require a supervised clinical experience of at least [30 hours per week for at least 24 weeks or its equivalent as determined by the department,] in the practice of clinical laboratory technology, which provides the student with clinical experience that includes but is not limited to: hematology, clinical chemistry, immunohematology, urinalysis/body fluids, clinical microbiology, and immunology. 500 clock hours of clinical laboratory technologist practice, which, at a minimum, provides each student with clinical experience in hematology/hemostasis, clinical chemistry, immunohematology, urinalysis/body fluids analysis, clinical microbiology, and immunology.

Note: An additional regulatory provision to allow for registration of non-credit bearing/non-degree programs to offer accredited clinical laboratory technology programs is still under consideration.

CYTOTECHNOLOGIST

Governing Statute Education Law §8605(2)

"2. Licensure as a cytotechnologist.

(a) Application: file an application with the department;

(b) Education: have received an education, including a bachelor's degree in cytotechnology from a program registered by the department or determined by the department to be the substantial equivalent, or have received a bachelor's degree that includes a minimum number of credit hours in the sciences and received appropriate clinical education in an accredited cytotechnology program or a program determined by the department to be the substantial equivalent;..."

Proposed Regulatory Revisions

52.39 Cytotechnology.

In addition to meeting all applicable provisions of this Part, to be registered as a program recognized as leading to licensure as a cytotechnologist, which meets the requirements of section 79-14.1 of this Title, the program shall:

(a) be a program in cytotechnology leading to a baccalaureate or higher degree or advanced certificate [which contains didactic and clinical education that integrates pre-analytical, analytical, and post-analytical components of laboratory services, including the principles and practices of quality assurance/quality improvement; and which is designed to prepare graduates to practice cytotechnology using independent judgment and responsibility], which prepares graduates for safe and effective practice as a cytotechnologist consistent with paragraph (b) of subdivision (2) of section 8601 of the education law;

(b) include coursework, which [shall] may include a laboratory component [in each area], in each of the following subject areas or their equivalent as determined by the department:

(1) inorganic and organic chemistry;

(2) anatomy and physiology;

(3) cell biology, genetics, or molecular biology;

(4) cytopathology, including but not limited to, female genital tract, respiratory tract, gastro-intestinal and genitourinary tracts, body fluids, evaluation of specimens from washes and brushes of all body sites, and evaluation of specimens from fine needle aspiration biopsies of all body sites;

(5) cytopreparatory techniques, including but not limited to, preparation, staining and processing of [body samples] specimens derived from the human body; and

(6) microscopic evaluation and interpretation of cytopathology of the [sample] specimen types and body systems identified in paragraph (4) of this subdivision;

(7) mathematics or statistics;

(8) human genetics;

(9) immunology;

(10) clinical microbiology; and,

(11) laboratory operations relevant to cytology services, including, but not limited to, quality control, quality assurance, equipment use and maintenance, record keeping, laboratory procedures, and safety.

[(c) include curricular content in each of the following subject areas or their equivalent as determined by the department:

(1) organic chemistry;

(2) mathematics and statistics;

(3) infection control and universal precautions (standard precautions);

(4) human genetics;

(5) immunology;

(6) clinical microbiology;

(7) the maintenance of equipment and records; and

(8) ethics; and]

[(d) c] include a supervised clinical experience of at least [30 hours per week for at least 10 weeks or its equivalent as determined by the department, in the practice of cytotechnology] 300 clock hours of cytotechnology practice, which, at a minimum, provides each student with clinical experience in cytopreparatory techniques and the microscopic examination of gynecologic, non-gynecologic, and fine needle aspiration specimens.

Note: An additional regulatory provision to allow for registration of non-credit bearing/non-degree programs to offer accredited cytology programs is still under consideration.

CLINICAL LABORATORY TECHNICIAN

Governing Statute: Education Law § 8606

"Requirements for certification as a clinical laboratory technician.

For certification as a clinical laboratory technician under this article, an applicant shall fulfill the following requirements:

1. Application: file an application with the department;

2. Education: have received an education, including an associate's degree from an approved clinical laboratory technician program registered by the department or determined by the department to be the substantial equivalent, or an associate's degree clinical laboratory technician program accredited by a national accrediting organization acceptable to the department, or an associate's degree program in a natural science or a clinical laboratory science and coursework acceptable to the department and a clinical laboratory technician program accredited by a national accrediting organization acceptable to the department...."

Proposed Regulatory Revisions

52.40 Clinical laboratory technician.

In addition to meeting all applicable provisions of this Part, to be registered as a program recognized as leading to certification as a clinical laboratory technician, which meets the requirements of section 79-15.1 of this Title, the program shall:

(a) be a clinical laboratory technician program leading to an associate or higher degree which contains didactic and clinical education that integrates pre-analytical, analytical, and post-analytical components of laboratory services, [including the principles and practices of quality assurance/quality improvement,] and prepares graduates for safe and effective practice as a clinical laboratory technician in accordance with paragraph (d) subdivision (2) of section 8601 of the education law ;

(b) include coursework, which [shall] may include a laboratory component[in each area], in each of the following subject areas or their equivalent as determined by the department:

- (1) inorganic chemistry;
- (2) clinical chemistry;
- (3) physiology, with anatomy content;
- (4) microbiology, including clinical microbiology;
- (5) immunology and serology;
- (6) hematology/hemostasis;
- (7) clinical microscopy, including body fluids; [and]
- (8) immunohematology;[and]
- (9) mathematics or statistics; and,
- (10) laboratory operations, including, but not limited to, quality control, quality assurance, equipment use and maintenance, record keeping, laboratory procedures, and safety;

[(c) include curricular content in each of the following subject areas or their equivalent as determined by the department:

- (1) statistics;
- (2) infection control and universal precautions; and
- (3) ethics; and]

[(d) c) include a supervised clinical experience of at least [30 hours per week for at least 10 weeks or its equivalent as determined by the department.] 300 clock hours of [in the practice of] clinical laboratory technician practice, which provides [the] each student with clinical experience that includes but is not limited to: hematology, hemostasis, immunohematology, immunology, clinical chemistry, urinalysis/body fluids, and clinical microbiology.

Note: An additional regulatory provision to allow for registration of non-credit bearing/non-degree programs to offer accredited clinical laboratory technician programs is still under consideration.

HISTOTECHNICIAN

Governing Statute: Education Law § 8606-a.

"Requirements for certification as a histotechnician.

For certification as a histotechnician under this article, an applicant shall fulfill the following requirements:

1. *Application: file an application with the department;*
2. *Education: have received an education, including an associate's degree from an approved histotechnician program registered by the department or determined by the department to be the substantial equivalent, or have received an associate's degree that includes a minimum number of credit hours in the sciences and received appropriate clinical education in a histotechnician program approved by the department or a program to be determined by the department to be the substantial equivalent or a histotechnician program accredited by a national accrediting organization acceptable to the department;"*

Proposed Regulatory Revisions

52.41 [Histological technician.] Histotechnician.

In addition to meeting all applicable provisions of this Part, to be registered as a program recognized as leading to certification as a [histological technician] histotechnician, which meets the requirements of section 79-16.1 of this Title, the program shall:

(a) be a [histological technician] histotechnician program leading to an associate or higher degree [which contains didactic and clinical education that integrates pre-analytical, analytical, and post-analytical components of laboratory services, including the principles and practices of quality assurance/quality improvement], which prepares graduates for safe and effective practice as a histotechnician consistent with paragraph (e) of subdivision (2) of section 8601 of the education law;

(b) include curricular content in each of the following subject areas or their equivalent as determined by the department:

- (1) anatomy and physiology;
- (2) inorganic chemistry;

- (3) histology [to include microscopic analysis];
- (4) histological techniques, to include microtome and staining techniques [chemistry of stains, and staining techniques];
- (5) quality assurance;
- (6) ethics; and
- (7) infection control and universal precautions;] and,
- (5) laboratory operations relevant to histology services, including, but not limited to, quality control, quality assurance, equipment use and maintenance, record keeping, laboratory procedures, and safety;

(c) include a supervised clinical experience of at least [30 hours per week for at least 8 weeks, or its equivalent as determined by the department, in the practice of histological technician] 240 clock hours of histotechnician practice.

Note: Note: An additional regulatory provision to allow for registration of non-credit bearing/non-degree programs to offer accredited histotechnician programs is still under consideration.

HISTOTECHNOLOGIST

Governing Statute: Education Law § 8606-b.

"Requirements for licensure as a histotechnologist.

For certification as a histotechnologist under this article, an applicant shall fulfill the following requirements:

1. Application: file an application with the department;
2. Education: have completed one of following requirements:
 - (a) a bachelor's degree program in histotechnology registered by the department or determined by the department to be the substantial equivalent, or a histotechnology program accredited by a national accrediting organization acceptable to the department; or
 - (b) a bachelor's degree program in a natural science or a laboratory science and a minimum number of credit hours acceptable to the department, and appropriate clinical education in a histotechnologist program accredited by a national accrediting organization acceptable to the department or a program registered by the department or determined by the department to be the substantial equivalent; or
 - (c) current histotechnologist certification by a national certification organization acceptable to the department; or
 - (d) histotechnologist licensure in a jurisdiction acceptable to the department,..."

Proposed Regulatory Language

New Section 52.42 of the Regulations of the Commissioner of Education is added, effective immediately.....

52.42 Histotechnologist.

In addition to meeting all applicable provisions of this Part, to be registered as a program recognized as leading to licensure as a histotechnologist, which meets the requirements of section 79-17.1 of this Title, the program shall:

(a) be a histotechnology program leading to a bachelor's or higher degree or advanced certificate, which prepares graduates for safe and effective practice as a histotechnologist consistent with paragraph (c) of subdivision (2) of section 8601 of the education law.

(b) include coursework, which may include a laboratory component, in each of the following subject areas or their equivalent as determined by the department:

- (1) anatomy and physiology;
- (2) inorganic chemistry;

(3) histology;

(4) histological techniques, including but not limited to; (i) specimen accessioning, grossing, fixation, processing, embedding, sectioning (including microtomy), and staining techniques; (ii) immunohistochemistry procedures; and (iii) molecular and cytology preparation techniques;

(5) laboratory operations relevant to histology services, including, but not limited to, quality control, quality assurance, equipment use and maintenance, record keeping, laboratory procedures, and safety;

(c) include a supervised clinical experience of at least 500 clock hours of histotechnologist practice.

Note: An additional regulatory provision to allow for registration of non-credit bearing/non-degree programs to offer accredited histotechnology programs is still under consideration.