

CURRICULUM STANDARD

Effective Term
Fall 2010
[2010*03]

Curriculum Program Title

Histotechnology

Code

A45370

Concentration

(not applicable)

Curriculum Description

This curriculum provides individuals with the knowledge and skills necessary to prepare tissue specimens for microscopic examination using various stains and dyes to identify tissue and cell structures.

Course work emphasizes scientific concepts related to laboratory testing, quality assurance, histology, microscopy, and other related topics.

Graduates may be eligible to apply to take the national examination given by the Board of Registry of the American Society for Clinical Pathology. Employment opportunities include pathology laboratories in hospitals and clinics and medical or research laboratories.

*Curriculum Requirements**

[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204(3)]

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

Major Hours

[ref. 23 NCAC 02E.0204 (3)]

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** (if applicable). A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Histotechnology (A45370)

	AAS	Diploma	Certificate																																				
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC																																				
A. CORE <i>Courses required for the diploma are designated with *</i> Required Courses: <table style="width: 100%; margin-left: 20px;"> <tr><td>BIO 163</td><td>Basic Anatomy & Physiology</td><td style="text-align: right;">5 SHC</td></tr> <tr><td>BIO 271</td><td>Pathophysiology</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>BIO 275</td><td>Microbiology</td><td style="text-align: right;">4 SHC</td></tr> <tr><td>CHM 130</td><td>General, Organic & Biochemistry</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>CHM 130A</td><td>General, Organic & Biochemistry Lab</td><td style="text-align: right;">1 SHC</td></tr> <tr><td>HTO 110</td><td>Intro to Histotechnology</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>HTO 120</td><td>Histology</td><td style="text-align: right;">5 SHC</td></tr> <tr><td>HTO 130</td><td>Histotechniques</td><td style="text-align: right;">5 SHC</td></tr> <tr><td>HTO 140</td><td>Histochemistry</td><td style="text-align: right;">5 SHC</td></tr> <tr><td>HTO 210</td><td>Histopathology</td><td style="text-align: right;">4 SHC</td></tr> <tr><td>HTO 220</td><td>Histotechnology Clinical</td><td style="text-align: right;">8 SHC</td></tr> <tr><td>HTO 230</td><td>Professional Issues</td><td style="text-align: right;">3 SHC</td></tr> </table>	BIO 163	Basic Anatomy & Physiology	5 SHC	BIO 271	Pathophysiology	3 SHC	BIO 275	Microbiology	4 SHC	CHM 130	General, Organic & Biochemistry	3 SHC	CHM 130A	General, Organic & Biochemistry Lab	1 SHC	HTO 110	Intro to Histotechnology	3 SHC	HTO 120	Histology	5 SHC	HTO 130	Histotechniques	5 SHC	HTO 140	Histochemistry	5 SHC	HTO 210	Histopathology	4 SHC	HTO 220	Histotechnology Clinical	8 SHC	HTO 230	Professional Issues	3 SHC	49 SHC		
BIO 163	Basic Anatomy & Physiology	5 SHC																																					
BIO 271	Pathophysiology	3 SHC																																					
BIO 275	Microbiology	4 SHC																																					
CHM 130	General, Organic & Biochemistry	3 SHC																																					
CHM 130A	General, Organic & Biochemistry Lab	1 SHC																																					
HTO 110	Intro to Histotechnology	3 SHC																																					
HTO 120	Histology	5 SHC																																					
HTO 130	Histotechniques	5 SHC																																					
HTO 140	Histochemistry	5 SHC																																					
HTO 210	Histopathology	4 SHC																																					
HTO 220	Histotechnology Clinical	8 SHC																																					
HTO 230	Professional Issues	3 SHC																																					
B. CONCENTRATION (Not applicable)																																							
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> BIO, CHM, CIS, COE, CSC, and HTO <i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i>																																							