



# Histotechnology

## Goals and Outcomes

### Histotechnology Program

#### **Mission**

In support of the mission of the College, the mission of the Histotechnology program is to transform lives by educating, engaging and empowering professionals enabling them to function as competent entry-level histotechnologists and serve in leadership, educational, and technical roles within the profession.

#### **Program Goals**

1. The program's master curriculum prepares graduates with the psychomotor skills, cognitive knowledge, and affective attitudes necessary to function as competent entry-level histotechnologists.
2. The program's master curriculum is in compliance with the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) accreditation criteria.
3. The program's master curriculum prepares graduates with the cognitive knowledge necessary to successfully pass the American Society of Clinical Pathology Board of Certification exam.

#### **Student Expected Outcomes**

The histotechnology program prepares professionals who perform, develop, evaluate, correlate, and assure accuracy and validity of laboratory testing and procedures and operations; direct and supervise anatomic pathology resources and operations and collaborate in the diagnosis and treatment of patients. Student learning outcomes include:

1. Demonstrate cognitive knowledge of the concepts, principles, and theories necessary to function as a competent entry-level histotechnologist.
2. Demonstrate the affective behaviors necessary to function as part of the healthcare team.
3. Demonstrate the psychomotor skills necessary to function as a competent entry-level histotechnologist.

#### **NAACLS Entry-Level Competencies**

The Histotechnology program prepares professionals who are competent to perform a full range of histology laboratory techniques and who possess skills in clinical

decision-making, regulatory compliance, education, management, quality assurance and performance improvement wherever histology laboratory testing is researched, developed, or performed. Based on NAACLS Compliance Standards, at completion of the Histotechnology program, students will be:

1. Receiving and accessioning tissue;
2. Preparing tissue specimens for microscopic examinations, including all routine procedure;
3. Performing more complex procedures for processing and staining tissues, including enzymes, and immunohistochemistry;
4. Assisting with and/or performing gross examination and frozen section procedures in histopathology as well as cytology specimen preparation methods;
5. Identifying tissue structures, cell components, and their staining characteristics, and relating them to physiological functions;
6. Recognizing factors that affect procedures and results, and taking appropriate action within predetermined limits when corrections are indicated
7. Developing, testing, implementing, evaluating, and selecting new techniques, procedures, instruments and methods in terms of their usefulness and practicality within the context of a given laboratory's personnel, equipment, space, and budgetary resources;
8. Making decisions concerning the results of quality control and quality assurance measures and instituting proper procedures to maintain accuracy and precision;
9. Confirming abnormal results, verifying quality control procedures, executing quality control procedures, and developing solutions to problems concerning the generation of laboratory data;
10. Establishing and performing preventative and corrective maintenance of equipment or instruments, as well as identifying appropriate sources for repair;
11. Exercising and applying principles of safety, management and supervision;
12. Demonstrating professional conduct and interpersonal communication skills with patients, laboratory personnel, other health care professionals, and with the public;
13. Recognizing and acting upon individual needs for continuing education as a function of growth and maintenance of professional competence;
14. Recognizing the responsibilities of other laboratory and healthcare professionals and interacting with them with respect for their jobs and patient care;
15. Leading supportive personnel and peers in their acquisition of knowledge, skills and attitudes; and providing leadership in educating other health personnel and the community;
16. Applying principles of education methodology;
17. Applying principles of current information systems;
18. Applying principles of in-situ hybridization, plastic, and electron microscopy.

At entry level, the Histotechnologist will have the following basic knowledge and skills in:

1. Application of safety and governmental regulations and standards as applied to histotechnology;
2. Principles and practices of professional conduct and the significance of continuing professional development;
3. Communications sufficient to serve the needs of patients, the public and members of the health care team;
4. Principles and practices of administration, supervision, and safety as applied to histotechnology;
5. Education techniques and terminology sufficient to train/educate users and providers of laboratory services.

The HTL program at Carolinas College of Health Sciences is accredited by The National Accreditation Agency for Clinical Laboratory Sciences (NAACLS).

NAACLS is committed to being the premier agency for international accreditation and approval of educational programs in the clinical laboratory sciences and related health care disciplines.

The National Accreditation Agency for Clinical Laboratory Sciences (NAACLS)

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### Program Outcomes (Five Years)

Year	Graduation Rate	Attrition Rate	Placement Rate	Carolinas College HTL ASCP Pass Rate	National HTL ASCP Pass Rate
2017	100%	0%	100%	100%	82%
2018	100%	0%	100%	88%	82%
2019	100%	0%	100%	100%	83%
2020	100%	0%	100%	100%	85%
2021	100%	0%	100%	100%	85%