

# CURRICULUM STANDARD

*Effective Term*  
*Fall 1998*  
*[1998\*03]*

Curriculum Program Title	<b>Cytotechnology (Certificate)</b>	Code	<b>C45220</b>
Concentration	<b>(not applicable)</b>		

## ***Curriculum Description***

Cytotechnology is an advanced allied health career which prepares the individual to use specialized equipment to study cells for detecting cancer, hormonal abnormalities, and other pathological disease processes. *Individuals entering this curriculum must have earned a Bachelor's degree with a concentration in the Biological Sciences.*

Course work includes entry-level knowledge and skills in cell collection and preparation and microscopic use to interpret specimens. Graduates work in conjunction with pathologists to perform special diagnostic procedures.

Upon successful completion of the program, graduates receive a certificate in cytotechnology and may be eligible to take the National Registry Examination of the American Society of Clinical Pathologists. Cytotechnologists may find employment in hospital laboratories, universities, and private 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.

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

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\*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.

### Cytotechnology (Certificate) C45220\*\*

	AAS	Diploma	Certificate
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b>  <b>Required Courses:</b> CYT 210 Introduction to Clinical Cytology 4 SHC CYT 212 Introduction to Cytological Techniques 4 SHC CYT 214 Gynecological Cytology 14 SHC CYT 216 Clinical and Diagnostic Interpretation I 4 SHC CYT 220 Non-Gynecological Cytology 12 SHC CYT 222 Cytopreparation Techniques 2 SHC CYT 224 Gynecological Cytological Clinical Practicum I 4 SHC CYT 226 Clinical and Diagnostic Interpretation II 4 SHC CYT 230 Non-Gynecological Cytological Clinical Practicum 2 SHC CYT 232 Clinical Cytology Practicum 1 SHC CYT 234 Gynecological Cytological Clinical Practicum II 3 SHC CYT 236 Cytology Literature Review 1 SHC CYT 238 CYT Professional Issues 2 SHC  <b>Required Subject Areas:</b> None			<b>57 SHC**</b>
<b>B. CONCENTRATION</b> ( <i>Not applicable</i> )			<b>NA</b>
<b>C. OTHER MAJOR HOURS</b> ( <i>Not applicable</i> )			<b>NA</b>
<b>D. OTHER REQUIRED HOURS</b> ( <i>Not applicable</i> )			<b>NA</b>

\*\* This program is approved by the State Board of Community Colleges to exceed maximum standard hours for a certificate program. [ref. 23 NCAC 02E.0202(d)].