CURRICULUM STANDARD

Effective Term Spring 2009 [2009*01]

Curriculum Program Title Imaging Technology (Diploma)

Concentration (not applicable)

Computed Tomography & Magnetic Resonance Imaging Technology (Diploma)

Code

Code

D45200

Code

51.0999

Curriculum Description

The Computed Tomography and Magnetic Resonance Imaging Technology curriculum prepares the individual to use specialized equipment to visualize cross-sectional anatomical structures and aid physicians in the demonstration of pathologies and disease processes. *Individuals entering this curriculum must be registered or registry- eliqible radiologic technologist, radiation therapist, or nuclear medicine technologist.*

Course work prepares the technologist to provide patient care and perform studies utilizing imaging equipment, professional communication, and quality assurance in scheduled and emergency procedures through academic and clinical studies.

Graduates may be eligible to sit for the American Registry of Radiologic Technologist Advanced-Level testing in Computed Tomography and/or Magnetic Resonance Imaging examinations. They may find employment in facilities which perform these imaging procedures.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- **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.
- **Major Hours**. AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning 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

- 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-based learning 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.

Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) D45200								
				AAS	Diploma	Certificate		
Mini	imum Majo	r Hours Required		49 SHC	30 SHC	12 SHC		
A.	CORE			N\A	36 SHC			
Real	uired Cours	es:						
	CAT 210	CT Physics and Equipment	3 SHC					
	CAT 211	CT Procedures	4 SHC					
	MRI 210	MRI Physics and Equipment	3 SHC					
	MRI 211	MRI Procedures	4 SHC					
Requ	uired Subje	ct Areas:						
CAT	Clinical Pract	ticum. Select 11 SHC:						
	CAT 223	CT Clinical Practicum	3 SHC					
	CAT 224	CT Clinical Practicum	4 SHC					
	CAT 225	CT Clinical Practicum	5 SHC					
	CAT 226	CT Clinical Practicum	6 SHC					
	CAT 227	CT Clinical Practicum	7 SHC					
	CAT 228	CT Clinical Practicum	8 SHC					
	CAT 231	CT Clinical Practicum	11 SHC					
MRI	Clinical Prac	ticum. Select 11 SHC:						
	MRI 223	MRI Clinical Practicum	3 SHC					
	MRI 224	MRI Clinical Practicum	4 SHC					
	MRI 225	MRI Clinical Practicum	5 SHC					
	MRI 226	MRI Clinical Practicum	6 SHC					
	MRI 227	MRI Clinical Practicum	7 SHC					
	MRI 228	MRI Clinical Practicum	8 SHC					
	MRI 231	MRI Clinical Practicum	11 SHC					
В.	CONCEN	TRATION (Not applicable)						
<u> </u>	OTHER M	IAJOR HOURS						
		ed from the following prefixes:						
		CSC, HSC, IMG, MRI, and WBL						
	Up to two	o semester hour credits may be s	elected from ACA.					
	•	ee semester hour credits may be						
	prefixes:	ARA, ASL, CHI, FRE, GER, ITA, JPI	N, LAT, POR, RUS and SPA.					