

CURRICULUM STANDARD

Effective Term
Fall 2014
[2014*03]

Curriculum Program Title	Interventional Cardiac and Vascular Technology	Program Code	A45410
Concentration	(not applicable)	CIP Code	51.0901

Curriculum Description

The Interventional Cardiac and Vascular Technology curriculum provides individuals with the knowledge and skills necessary to qualify as an entry-level Intervention Cardiac and Vascular Specialist.

Course work will include radiographic physics, radiation protection, patient care, ECG, pharmacology, anatomy and pathology. Clinical rotations will provide experiences with advanced radiographic imaging equipment and medications used to visualize human vasculature and organs.

Graduates should qualify for eligibility to apply for and take the Registered Cardiovascular Invasive Specialist (RCIS) exam-given by Cardiovascular Credentialing International (CCI).

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.
- II. **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.

Interventional Cardiac and Vascular Technology (A45410)

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 HC
A. CORE	57 SHC	NR	
Required Courses:			
ICV 110 Patient Care/Fundamentals	3 SHC		
ICV 111 ICV Electrocardiography	1 SHC		
ICV 112 ICV Ionizing Radiation Effects	2 SHC		
ICV 113 ICV Neurovascular Procedures	2 SHC		
ICV 118 Cardiology Procedures I	2 SHC		
ICV 120 ICV Clinical Education I	2 SHC		
ICV 125 ICV Clinical Education II	4 SHC		
ICV 130 ICV Clinical Education III	4 SHC		
ICV 212 ICV Imaging Physics	3 SHC		
ICV 216 ICV Pharmacology	3 SHC		
ICV 217 ICV Equipment & Supplies	3 SHC		
ICV 218 Cardiology Procedures II	2 SHC		
ICV 219 Vascular Physiology & Proc	3 SHC		
ICV 220 ICV Clinical Education IV	8 SHC		
ICV 230 ICV Clinical Education V	8 SHC		
ICV 241 ICV Pathology Review	2 SHC		
Required Subject Areas:			
Anatomy and Physiology. Select one:			
BIO 166 Anatomy and Physiology II	4 SHC		
BIO 169 Anatomy and Physiology II	4 SHC		
Exam Prep. Select one:			
ICV 261 ICV Cardiac Exam Prep	1 SHC		
ICV 262 ICV Vascular Exam Prep	1 SHC		
B. CONCENTRATION <i>(Not applicable)</i>			
C. OTHER MAJOR HOURS			
<i>To be selected from the following prefixes:</i>			
BIO, CIS, CSC, CVS, EMS ₂ , ICT, ICV, IMG, NAN, NMT, NUR, RAD, RCP, RTT, SON, SUR, and WBL.			
 <i>Up to two semester hour credits may be selected from ACA.</i>			
 <i>Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA.</i>			