Computerized Tomography

Career Studies Certificate

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Length: Two Semesters

Program offered in cooperation with Southwest Virginia Community College. Career Studies Certificate awarded by Virginia Highlands Community College.

Purpose: The Career Studies Certificate in Computed Tomography Imaging is designed to prepare selected students to qualify as contributing members of the allied health interdisciplinary team. Upon completion of the curriculum (and successful completion and documentation of all required clinical competencies as set for by the American Registry of Radiologic Technologists), the student is eligible to apply to take the National Registry examination leading to advanced certification as a Registered Radiographer in CT by the ARRT.

Admission Requirements: The student in Computed Tomography must have completed an approved program in radiography, radiation therapy, or nuclear medicine technology (either ARRT or NMTCB). Students must be either ARRT or CNMT registered technologists in order to be eligible for entry into the CT program. All students must have a current CPR certification and must maintain that certification throughout the program. Applicants must have maintained a "C" average in past program courses in the discipline or certification.

Applicants must provide the following prior to consideration for admission.

- Application to VHCC
- Official transcripts of all other colleges attended
- CT Program Application

The student in Computerized Tomography must abide by all community college policies as well as hospital policies while enrolled in the program.

Program Requirements: Upon admission and during the course of study, the college and hospital faculty will carefully observe and evaluate the student's progress. If, in the opinion of the faculty, a student does not exhibit professional behavior, the student will be asked to withdraw from the program. Students will not be eligible to receive the certificate until a grade of "C" or better is obtained in each of the required courses.

Criminal Background Checks/Drug Testing: Background checks for criminal history and sex offender crimes against minors are required for entrance into some clinical agencies. Students with convictions may be prohibited from clinical practice and may not complete the program. Clinical agencies may require drug testing prior to placement of students for clinical rotations. Students with positive drug test results may be prohibited from clinical practice and may not complete the program. Cost for criminal background checks and drug testing will be the responsibility of the student.

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
Fall Semester				
RAD 247	Cross Sectional Anatomy for CT/MR	3	0	3
RAD 242	CT Procedures and Instrumentation	2	0	2
RAD 195	Topics in Pharmacology for Technologies	1	0	1
RAD 196	On Site Training Clinical Internship in CT	0	5	1
	Total	**6**	**5**	**7**

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
Spring Semester				
RAD 295	Topics in CT Registry Preparation	3	0	3
RAD 196	[1]On Site Training Clinical Internship in CT	0	10	2
HLT 143	Medical Terminology I	3	0	3
HLT 145	Ethics for Healthcare Personnel	2	0	2
	Total	**8**	**10**	**10**
Total Credits for Career Studies Certificate				**17**

Footnote:

[1]Students who can provide documentation of continuous employment in CT for a minimum of 1 year prior to the application deadline have the option of NOT completing the RAD 196 clinical class requirements.