## COMPUTED TOMOGRAPHY - CERTIFICATE

TYPICAL TWO-SEMESTER PROGRAM

| First | | | | |
|---|---|---|---|---|
| IMSC | 5004 | Cross Sect Anat in Med Imaging | 4 |
| IMSC | 5103 | Intro to CT & Patient Care | 3 |
| IMSC | 5203 | Computed Tomography Physics | 3 |
| | | | 10 |

| Second | | | | |
|---|---|---|---|---|
| IMSC | 6003 | Protocol, Pathology, & Pt Care | 3 |
| IMSC | 6103 | CT Clinical I | 3 |
| | | | 6 |

### Graduation Requirements

- 16 total semester credit hours
- 2.0 minimum cumulative grade point average
- Approval of department faculty

**CERTIFICATE – CODE #3060**

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The certificate program in computed tomography (CT) is an upper-level online program that will produce graduates who are capable of working under the supervision of a physician, and who are proficient in the application of computed tomography imaging equipment and techniques to gather critical radiologic data to enable the diagnosis of a variety of conditions and diseases. The program targets the acquisition of specialized CT certification by place-bound college graduates currently employed in the medical field as licensed radiological technologists.

The curriculum will include instruction in obtaining, reviewing, and integrating patient histories and data; patient instruction and care; anatomic, physiologic and pathologic data recording; radiologic data processing; computed tomography equipment operation; and professional standards and ethics. Students in the program complete both didactic classes online and a clinical rotation at designated hospitals and clinics. The computed tomography program is a two-semester (15 credits in total) program. Upon successful completion of the program requirements, students will be eligible to sit for national certification examinations for computed tomography.

### ADVANTAGES

The CT certificate program targets existing radiologic technologists who wish to expand and diversify their clinical skills within the healthcare market place. With the exception of the clinical requirement, the program is designed to be an online experience.

### CONTINUING EDUCATION OPPORTUNITIES

Students may transfer directly into one of our own BS or BTech degree programs or to another college.

### OCCUPATIONAL OPPORTUNITIES

- Hospitals
- Government agencies
- Clinics
- Private physician offices

### EMPLOYMENT STATISTICS

Employment data not available for this new program

### RELATED PROGRAMS

Health Sciences
Interdisciplinary Studies
Healthcare Management

### ENTRANCE REQUIREMENTS/RECOMMENDATIONS

Required: Associate degree in radiologic technology or certificate of completion from JRCERT program. Must provide proof of ARRT certification.

### REQUIRED EQUIPMENT

A tier 1 laptop computer is required for students entering the accounting program. Laptop specifications are available at http://www.alfredstate.edu/required-laptops.