Ms. Terri Settle

Ms. Terri Settle is a Radiology and HMS instructor at Monroe Technology. She has been an ARRT registered radiographer for 7 years. Ms. Settle has prior experience in secondary education in Virginia, having taught English, Psychology and Mathematics. She earned her Bachelor’s degree from The College of William and Mary and her MBA from Columbia Southern University.

HOSA

As a health science education organization, the Health Occupations Students of America (HOSA) knows that it takes a highly skilled team of professionals to deliver quality health care for patients. HOSA, a new Nurses for a Healthier Tomorrow coalition member, plays a unique role in the recruitment of future health professionals. The student-led organization builds bridges to connect young people to health professions through enrollment in secondary, postsecondary and adult health science education programs.

One of the eight national Career and Technical Student Organizations (CTSO), HOSA is endorsed by the U.S. Department of Education. HOSA's mission is to improve the quality of health care by fostering academic, technical, leadership and personal skills in health occupations students.

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Radiology Technology I & II

861400  
Radiology Technology I

Weighted .5  
Grades: 11 or 12  
HS Credits: 3  
NOVA Credits: 2  
Prerequisite: Health & Medical Sciences

The course will inform students early in their study of what they can expect from a career in radiologic technology, requirements for certification, options for advancement, and what will be required of them as an allied healthcare worker. The student will develop an understanding of the radiographer as a central member of the health care team and an invaluable assistant to the radiologist.

The student will expand the medical terminology acquired in Health & Medical Sciences as it relates to radiology. This second year curriculum is designed to prepare the student to understand the anatomy and physiology assessed through diagnostic imaging of the human body with the safe application of ionizing radiation.

Additional topics of study will include the history of the radiologic profession, medical ethics, concepts of imaging, radiobiology, radiation protection, and the future of radiologic technology careers. Students will have the opportunity to shadow in professional settings.

861500  
Radiology Technology II

Grades: 12 or Post-Graduate  
HS Credits: 3  
Prerequisite: Radiology Technology I

Radiology II is intended for post-graduate students who are continuing their studies to prepare for acceptance into a JRCERT accredited training program. This course content will be developed through extensive independent study projects and regular forum meetings. The course content will be delivered via the Loudoun Vision course management system. It is anticipated that students will engage in volunteer practices within a healthcare setting.

Students will develop an understanding of the biological and technical factors involved in medical imaging. Emphasis will be placed on the physics of medical imaging equipment and the effect of medical radiation on biologic tissue. They will learn to apply radiation protection procedures for patients and medical imaging personnel. In addition, students will expand their understanding of patient care within the radiology department to include assessment of vital signs, immobilization techniques for imaging, safe use of oxygen and pharmacologics during imaging procedures, use of sterile techniques, and evaluation of medical emergencies.

General Information

Course Length — 2 year program

NOVA Dual Enrollment — Yes, 2 credits
  - Radiology I — RAD 100
  - Radiology II — No

STEM Academy Class — Yes

Available Certifications — None

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