



Complete your educational requirements and prepare for the national certification examination through NSU's new

100% ONLINE

Post-Baccalaureate Certificate Program in MRI

Foundations in MRI & Patient Care (3hrs)*

An introduction to the history of MRI, the MRI environment, MRI safety, patient care, and MRI pharmacology. Topics will include clinical issues regarding contrast administration and safety, magnetic field safety, MRI specific patient care and procedural considerations.

MRI Physics and Image Acquisition (3hrs)*

An introduction to MRI physical principles, instrumentation, image formation and basic imaging parameters. This course covers the principles of magnetism, signal production, contrast characteristics, imaging planes and image formation. Emphasis will be placed on details of methods of data acquisition, imaging options, image artifacts, and quality assurance to ensure quality MR imaging and understanding.

MRI Procedures & Sequencing (3hrs)*

Detailing the performance of standard MRI procedures. Content covers an in depth look at MRI sectional anatomy, physiology, imaging procedures, protocols, and pathology. The study of normal anatomy and pathologic conditions aid the student in recognizing the need for imaging changes based on these conditions. Content also includes optimal scanning techniques and procedures relating to the cardiovascular system, the central nervous system, the musculoskeletal system, thorax, abdomen, and pelvis.

Sectional Anatomy (3hrs)*

Presentation of human anatomy and pathology through the use of computed tomography, ultrasound and magnetic resonance images.

**Classes will begin January 2018*

**No out of state tuition for 100% online students*