

# HEALTH SCIENCES

## MAGNETIC RESONANCE IMAGING TECHNOLOGY

The Magnetic Resonance Imaging (MRI) curriculum prepares students to become MRI technologists and skilled health care professionals who are educated to use magnetic energy fields to produce images of the human body. Individuals entering this program must be registered or registry-eligible radiologic technologists, nuclear medicine technologists, sonographers, or radiation therapists by the American Registry of Radiologic Technologists. by the American Registry of Radiologic Technologists. Supporting discipline of Nuclear Medicine Technology may be through ARRT or NMTCB. Supporting discipline of Sonography may be through ARRT or ARDMS.

Course work includes imaging fundamentals, MRI physics, procedures, anatomy, pathology, patient care, imaging ethics and law, in a medical environment. Students should be able to demonstrate all functional areas related to the magnetic resonance imaging fields.

Graduates may be eligible to take the American Registry of Radiologic Technologists (ARRT) national examination for certification as MRI technologists.

Graduates may be employed in hospitals, outpatient clinics, physicians' offices, government agencies, and research. It is essential that the MRI technologist understands ethical standards and the legal framework for MRI. In addition, the MRI technologist must be committed to professional development and the care of others.

### Magnetic Resonance Imaging Technology Diploma - D45800

-Day

#### Summer Term

|                                     |                                 |   |
|-------------------------------------|---------------------------------|---|
| MRI 213                             | MR Patient Care and Safety..... | 2 |
| MRI 216                             | MRI Instrumentation.....        | 2 |
| MRI 250                             | MRI Clinical Ed I.....          | 4 |
| ENG 111                             | Writing and Inquiry .....       | 3 |
| Humanities/Fine Arts Elective ..... |                                 | 3 |

#### Fall Semester

|         |                              |   |
|---------|------------------------------|---|
| MRI 214 | MRI Procedures I .....       | 2 |
| MRI 217 | MRI Physics I .....          | 2 |
| MRI 241 | MRI Anatomy and Path I ..... | 2 |
| MRI 260 | MRI Clinical Ed II.....      | 7 |
| IMG 130 | Imaging Ethics and Law. .... | 3 |

#### Spring Semester

|         |                               |   |
|---------|-------------------------------|---|
| MRI 215 | MRI Procedures II .....       | 2 |
| MRI 218 | MRI Physics II .....          | 2 |
| MRI 242 | MRI Anatomy and Path II ..... | 2 |
| MRI 270 | MRI Clinical Ed III.....      | 8 |
| MRI 271 | MRI Capstone .....            | 1 |

**Graduation Requirements..... 45 Credit Hours**