

## Essential Requirements

Allied health program admissions are based on academic achievement and additional program specific non-academic criteria that can be referenced in the catalog. Essential Requirements have been established by each program identifying the occupational specific technical standards required of students in the program. Meeting these standards is necessary for students to become successful in both their clinical coursework and later in their profession. Decisions to apply for admission to the *Magnetic Resonance Program* should be made after considering the program Essential Requirements.

It is the responsibility of this program to be concerned with the rights of patients and fieldwork sites and to only place students in fieldwork that are capable of providing safe, high quality health care. The following list represents reasonable expectations for the student enrolled in the *Magnetic Resonance Program* at WU.

It is the responsibility of the program applicants to carefully review the essential requirements and ask questions if not familiar with the standards and skills listed. Certain chronic or recurrent illnesses and problems that interfere with patient care or safety may be incompatible with fieldwork practice. Conditions that may lead to a high likelihood of student absenteeism should be carefully considered. Deficiencies in knowledge, judgment, integrity, character, or professional attitude or demeanor which may jeopardize patient care may be grounds for course/fieldwork failure and possible dismissal from the program. All applicants to the program must have the ability to meet the standards and skills listed below if accepted to the program in order to complete the educational requirements for the *certificate in Magnetic Resonance*.

If a student cannot demonstrate the following standards and skills without accommodation, it is the responsibility of the student to request an appropriate accommodation with the Student Services Office (Morgan Hall, Room 135, 785-670-1629) by the application deadline. The College is committed to the principle of equal opportunity as defined in the catalog and will provide reasonable accommodation as long as it does not fundamentally alter the nature of the program offered and does not compromise patient safety, or impose an undue hardship such as those that cause a significant expense or are unduly disruptive to the educational process.

**Acknowledgement of Essential Requirements for the Magnetic Resonance Program**

I, \_\_\_\_\_, have been informed of the Essential Requirements of the Washburn University *Magnetic Resonance Program*, and acknowledge the following:

I have carefully reviewed the Essential Requirements and have asked questions if I was unfamiliar with the standards and skills listed.

If I believe I require accommodation, I will request an appropriate accommodation with the Student Services Office (Morgan Hall, Room 135, 785-670-1629) by the application deadline.

I am aware that certain chronic or recurrent illnesses and problems that interfere with patient care or safety may be incompatible with occupational therapy training or clinical practice. I have also considered any conditions that I may have that may lead to a high likelihood of absenteeism.

I have been informed that deficiencies in knowledge, judgment, integrity, character, or professional attitude or demeanor which may jeopardize patient care may be grounds for course/rotation failure and possible dismissal from the program.

I have the ability to meet the standards and skills listed in the Essential Requirements and agree to complete the educational requirements for *Magnetic Resonance* if accepted to the program.

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Signature

Date

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Name Printed

## Essential Requirements Magnetic Resonance (MR) Program at Washburn University

The Essential Requirements have been established through consideration by faculty and consultation through various sources such as the Occupational Outlook Handbook, Dictionary of Occupational Titles, Encyclopedia of Careers and Vocational Guidance, American Society of Radiologic Technologists and [www.mrisafety.com](http://www.mrisafety.com).

*The MR student technologist must have the ability to perform all requirements of the essential requirements or functions of a work day:*

Achieve the mental/concentration demands of imaging.

- Concentrate for extended periods of time.
- Learn and retain new information.
- Apply theoretical concepts underlying the clinical practice of magnetic resonance imaging.

Communicate effectively in both written and verbal modes.

- Properly schedule and prescreen patients for contraindications to MR (history, lab values, etc.).
- Communicate professionally with patients and their families, staff members and providers.
- Explain MRI procedures to patients and answer their questions.
- Assess the patient's condition by asking questions and listening to responses.
- Demonstrate how to give proper instructions to optimize patient comfort and cooperation.
- Demonstrate strong interpersonal skills.
- Maintain accurate records/documentation.
- Gather, analyze and correctly interpret information.

Possess the sensitivity to physical and psychological needs of patients.

- Calm nervous patients who may suffer from claustrophobia.
- Demonstrate an understanding of a patient's cultural, ethnic or value system differences.
- Speak with patients in a professional and empathetic manner to alleviate any concerns they express.

Professionalism

- Demonstrate ethical behavior by preserving the patient's modesty.
- Adhere to national, organizational and departmental standards, protocols, policies and procedures regarding MR exams and patient care.
- Consistently maintain patient confidentiality standards.
- Perform safe, ethical and legal practices.

- Work within a clinical environment, which involves exposure to persons with physical and mental disabilities; and to pain, death, stress, communicable diseases, blood and body fluids, toxic substances and noxious odors.
- Exhibit teamwork skills and cooperation and respect for peers, faculty, supervisors and other professionals.
- Work around others, as well as alone.
- Modify behavior/performance in the clinical education setting after feedback from the technologist or supervisor.
- Show problem-solving ability sufficient to organize and complete multiple tasks accurately and within assigned periods.
- Independently initiate routine job tasks.
- Demonstrate competency in clinical judgment and safety precautions.
- Maintain poise and flexibility in stressful or changing conditions.
- Carry out detailed, simple or complex written or oral instructions.
- Maintain personal hygiene consistent with tasks.

#### Physical (stamina, manual dexterity and agility factors)

- Stamina is required since MR technologists are on their feet throughout the workday (8 to 12 hours).
- Stand, walk, crouch, stoop, bend, balance, twist at neck and waist, and reach/grasp above shoulders, in front of body, to sides of body and below knees.
- Push and pull objects from 10-40 pounds unassisted, to in excess of 40 pounds routinely. Includes accessory equipment, wheelchairs, stretchers, patients and positioning aids.
- Display physical strength to move patients who may be disabled or have a limited range-of-motion.
- Manual dexterity to manipulate the MR table, position the patient properly on the MR table, operate associated equipment (specified coil, cart, wheelchair, etc.) and manage machine controls (select software options and imaging parameters).
- Perform quality assurance tests.
- Must use eyes, hands and fingers with skill in a limited time period (imaging exam set-up, etc.).
- Perform CPR.

#### Vision and Hearing

- Read typewritten, handwritten and computer information.
- Distinguish colors and opacity.
- Depth perception in judging distances and spatial relationships.
- Must be able to observe patients during the imaging process to ensure the patient's well-being. May be direct observation or via TV camera/monitor.
- Be able to work effectively in areas with varying light levels from bright to dimly light.
- Critique images for appropriate clinical information, image quality and patient information

- Recognize emergency situations such as adverse reactions to contrast administration, breathing difficulty, cardiac arrest, diabetic-related problems, shock, etc.
- Must be able to hear clearly a patient, staff members or providers during oral communications which may be directly or over an auditory monitoring system.
- Background or distracting noise may be present in the examination or work area.

Safety

- No metal in the technologist's body that would induce harm, i.e. pacemaker, neurostimulator, shrapnel, stent placement. The metals must be MRI safe or the technologist must wait a minimum of 6 weeks before exposure to the magnet.
- Ability to maintain a safe environment and follow magnet safety guidelines.
- Evaluate the MR equipment for proper function in order to assure patient and operator safety.
- Detect, interpret and appropriately respond to verbal and non-verbal communication, acoustically generated signals (call bells, monitors, phones, alarms).

Are you able to perform all of the Essential Functions identified above with or without reasonable accommodations? Yes \_\_\_\_\_ No \_\_\_\_\_

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Signature

Date