



# FORT HAYS STATE UNIVERSITY

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## DEPARTMENT OF ALLIED HEALTH

*Forward thinking. World Ready.*

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## ONLINE B.S. IN MEDICAL DIAGNOSTIC IMAGING PROGRAM

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Fort Hays State University is the only university in Kansas that offers a Bachelor of Science Degree in Medical Diagnostic Imaging. The Online Medical Diagnostic Imaging Program is designed to provide radiologic technologists and Radiography students with competency in additional modalities. Many clinics and hospitals are seeking individuals with experience in more than one specialty area. The Medical Diagnostic Imaging (MDI) coursework will allow students to increase their knowledge and skills in these specialty areas, expand their job opportunities, and assist in obtaining advanced certifications.

**The following specialty modality areas are offered within the Medical Diagnostic Imaging major:** *Magnetic Resonance Imaging (MRI), Computed Tomography (CT), Mammography (M), Cardiovascular Interventional Technology (CVIT), Bone Densitometry (BD), Diagnostic Medical Sonography (DMS), Leadership, and Administration.*

As a student and as a technologist, you work very closely with physicians and other healthcare providers. The MDI courses will emphasize a thorough understanding of patient care, system operation during routine and emergency imaging situations, image quality, and clinical experience. In all of the program courses, student enrollment is limited to ensure quality experiences for each student and to encourage interaction between student and faculty.

### **CAREER OPPORTUNITIES**

Employment for you is abundant throughout our region and starting salaries are quite good. Competence and skill in more than one diagnostic imaging modality will enable you to pursue a wider variety of jobs and compete for higher salaries.

Most of our graduates are employed to staff diagnostic imaging departments in hospitals, but you may seek employment in clinics, physician's offices, mobile diagnostic imaging units and industrial healthcare facilities.

### **ELIGIBILITY FOR THE PROGRAM**

Students must be in good academic standing in an accredited Radiologic Technology Program, or have completed an accredited Radiologic Technology Program to be considered eligible for the Online Medical Diagnostic Imaging Program. To be considered academically qualified, all cognate and recommended course requirements must be completed with a minimum grade point average of 2.75. FHSU offers credit for up to 46 credit hours for previous radiologic technology training at non-degree sponsoring institutions to be used to partially fulfill the requirements for a bachelor's degree. Registered radiographers can now complete their bachelor's degree in an area that will pertain to their current work and career interests.

# CURRICULUM

Upon admission to the MDI Program, each student will work cooperatively with the on-line Bachelor's degree advisor to develop a course of study tailored to individual interests. The program of study will include Imaging courses and could include any requisite general education credits a student is deficient.

The Online Bachelor's Degree in Medical Diagnostic Imaging requires a minimum of 124 credit hours, which includes cognate, general education, major elective and free elective credits.

Students must achieve a "C" or better in all cognate courses as well as maintain a minimum overall GPA of 2.75 before being eligible for the major elective courses.

| <u>COGNATE COURSES</u>                      | <u>CREDIT HOURS</u> |
|---|---------------------|
| BIOL 100 Human Biology                      | 3                   |
| BIOL 102 Laboratory Experience in Biology   | 1                   |
| BIOL 245 Medical Terminology                | 2                   |
| BIOL 230/230L Anatomy & Physiology I & Lab  | 4                   |
| BIOL 231/231L Anatomy & Physiology II & Lab | 4                   |

## GENERAL EDUCATION REQUIREMENTS

As required by the university: 55 hours general education requirement or transfer articulation course completion requirements if transferring in an Associate's degree from another institution.

## MAJOR ELECTIVE COURSES

Students must successfully complete a minimum of 30 credit hours from the following list of courses:

| <u>COURSE #</u> | <u>COURSE TITLE</u>  | <u>CR HRS</u> | <u>SEMESTER OFFERED</u> |
|-----------------|--|---------------|-------------------------|
| MDI 410VA       | Cross-Sectional Anatomy: Normal  | 4             | Spring/Fall             |
| MDI 411VA       | Sectional Pathology & Variant Anatomy  | 4             | Fall/Spring             |
| MDI 412VA       | Computed Tomography Procedures   | 4             | Fall                    |
| MDI 413VA       | Computed Tomography Physics & Instrumentation  | 4             | Spring                  |
| MDI 417VA       | Magnetic Resonance Imaging Physics & Instrumentation   | 4             | Fall                    |
| MDI 419         | Mammography for Radiologic Technologists<br>(1 week course the 1 <sup>st</sup> full week of the Spring semester) | 4             | Spring                  |
| MDI 420VA       | Leadership & Management in Radiology   | 3             | Spring                  |
| MDI 422VA       | Advanced Patient Care for Imaging Professionals  | 2             | Summer                  |
| MDI 422VA       | Advanced Patient Care for Imaging Professionals (1 <sup>st</sup> 8 weeks of semester)                            | 2             | Fall                    |
| MDI 423VA       | Bone Densitometry Techniques   | 2             | Summer                  |
| MDI 424VA       | Advanced Mammography ( 2 <sup>nd</sup> 8 weeks of semester)  | 2             | Spring                  |
| MDI 426VA       | Advanced Cardiovascular-Interventional Technology  | 4             | Spring                  |
| MDI 427VA       | Cardiovascular Pathology & Case Review   | 4             | Fall                    |
| MDI 428 VA      | Principles of Diagnostic Medical Sonography  | 4             | Spring                  |
| MDI 429VA       | Digital Radiography (1 <sup>st</sup> 8 weeks of semester)  | 2             | Fall                    |
| MDI 430VA       | PACS Administration (2 <sup>nd</sup> 8 weeks of semester)  | 2             | Fall                    |
| MDI 431VA       | MRI Procedures   | 4             | Spring                  |
| MDI 432VA       | Managing Change in Healthcare  | 4             | Spring                  |
| MDI 433VA       | Emerging Issues in Healthcare Administration   | 4             | Fall                    |

**\*V - indicates Virtual Course Offering**

## **FREE ELECTIVES**

Variable

## **GENERAL ADMISSION REQUIRMENTS TO THE COLLEGE**

Applicants to the Online B.S. in Medical Diagnostic Medical Imaging Program must meet the general admission requirements to Fort Hays State University as outlined in the college catalog. Students can apply for admission on-line at <http://www.fhsu.edu/admissions>.

## **ACADEMIC STANDARD IN PROFESSIONAL MAJOR ELECTIVE COURSES**

If a student does not enroll in an MDI major course for a fall or spring semester, in order to continue in the program, the re-entry form to the university must be completed which can be found at <https://www.fhsu.edu/admissions/re-entrystudents/>.

**Students that score below the “C” required in all final grades of MDI major courses will be immediately placed on probationary status within the MDI Program. The student will be allowed to enroll in one more MDI major course, and must earn a grade of “C” or above in order to be removed from probationary status.**

Due to scheduling conflicts, the student will not be required to enroll in the course they did not pass immediately, but they must obtain permission from the instructor before enrolling in their **next** course. If the student is unable to pass the probationary course, the student will be removed from the program. The student must also retake the class in which he/she received a grade below a “C” at the next offering and pass with a score of “C” or higher.

**Disclaimer** – All information provided has been prepared as correctly and accurately as possible at the time of preparation. This information does not constitute a contract between Fort Hays State University and any person. Further, the university reserves the right to make changes in the content of this information without obligation or requirement of notices to any person.

## **FINANCIAL ASSISTANCE**

In addition to general scholarships available, there are also scholarships offered to outstanding medical diagnostic imaging students. Forms for financial assistance are available through the office of Student Fiscal Services.

## **INQUIRIES**

Please feel free to contact the Allied Health Department.  
We invite you to visit the FHSU campus and meet the program faculty.  
FHSU - Allied Health Department - CH 129  
600 Park Street Hays, KS 67601  
(785) 628-5678



**FORT HAYS STATE UNIVERSITY**  
**DEPARTMENT OF ALLIED HEALTH**  


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**ONLINE B.S. IN MEDICAL DIAGNOSTIC IMAGING**

**APPLICATION FOR ADMISSION**

**INSTRUCTIONS:** Please submit your completed application and all required application materials, including official transcripts to:

Distance Coordinator  
 Department of Allied Health, CH 129  
 Fort Hays State University  
 600 Park Street  
 Hays, KS 67601-4099

In order to be considered an applicant to the program, all application material must be received. Incomplete applications will not be processed.

Full Name: \_\_\_\_\_

ARRT # (required) \_\_\_\_\_ (Provide a copy of ARRT card)

Mailing Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

**EDUCATIONAL BACKGROUND:** Please list all schools/programs attended and/or completed beginning with high school. It is the applicant's responsibility to arrange for an official transcript of credit from each college/university attended to be sent to the Allied Health Department.

|             |       |          |                 |
|-------------|-------|----------|-----------------|
| High School | _____ | _____    | _____           |
|             | Name  | Location | Graduation Date |

|         |                     |                          |        |
|---------|---------------------|--------------------------|--------|
| College | _____               | _____                    | _____  |
|         | Name                | Location                 |        |
|         | _____               | _____                    | _____  |
|         | Dates of Attendance | Number of Credits Earned | Degree |

|         |                     |                          |        |
|---------|---------------------|--------------------------|--------|
| College | _____               | _____                    | _____  |
|         | Name                | Location                 |        |
|         | _____               | _____                    | _____  |
|         | Dates of Attendance | Number of Credits Earned | Degree |

|         |                     |                          |        |
|---------|---------------------|--------------------------|--------|
| College | _____               | _____                    | _____  |
|         | Name                | Location                 |        |
|         | _____               | _____                    | _____  |
|         | Dates of Attendance | Number of Credits Earned | Degree |

**PERSONAL STATEMENT**

Using a separate sheet of paper, please submit a Statement of Interest regarding your reasons for applying to the online B.S. in Medical Diagnostic Imaging at Fort Hays State University.

**APPLICATION CHECKLIST:**

Have earned, or been enrolled into, an Associate’s Degree or certificate in Radiologic Technology from an accredited program.

Completed and signed application for admission to online B.S. in Medical Diagnostic Program enclosed Statement of Interest enclosed.

Are registered and in good standing with the ARRT

Copy of ARRT card or letter from program faculty to validate program enrollment if currently in a Radiography program

Notice of Non-discrimination: Fort Hays State University does not discriminate on the basis of gender, race, religion, national origin, color, age, marital status, sexual orientation, disability or veteran status in its educational programs, employment and all other activities. The director of affirmative action, coordinator of Title IX, Title VI, Section 504 and ADA regulations may be contacted at 600 Park Street, Hays, KS 67601-4099, 785-628-4033.

I verify that the information given on this form is true and correct. I give my permission to verify any of the information I have provided.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Submit your application materials to:**

**DISTSTANCE COORDINATOR  
FORT HAYS STATE UNIVERSITY  
DEPARTMENT OF ALLIED HEALTH, CH 129  
600 PARK STREET  
HAYS, KS 67601-4099**