# Bachelor of Science Medical Imaging Technology

## Five-Year Assessment Plan

## (Fall 2020 through Spring 2025)

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## I. Program's Mission:

The Medical Imaging Technology Program at Indiana University Kokomo upholds the mission statement of IU Kokomo by the preparation of highly qualified individuals practicing in the art and science of advanced medical imaging modalities. As a health-related science, Medical Imaging Technology is dedicated to the patient's health and welfare through the diagnosis. The Medical Imaging Technology program will meet the medical imaging needs and expectations of the communities in its region through partnerships in clinical education with regional healthcare facilities.

## II. Student Learning Outcomes:

**Goal 1**: Provide medical imaging technology students the opportunity to enhance the knowledge and skills required for an entry-level position in an advanced imaging modality.
Component 1: Students will demonstrate the comprehension of advanced modality imaging knowledge.
Component 2: Students will demonstrate technical skills in advanced modality imaging.

**Goal 2:** Provide opportunities for medical imaging technology students to demonstrate professionalism.
Component 1: Students will interact with others using professional communication.
Component 2: Students will recognize ethical issues that have alternative interpretations.
Component 3: Students will demonstrate lifelong learning.

**Goal 3:** Provide medical imaging technology students with opportunities for critically thinking through problems.
Component 1: Students will demonstrate critical thinking by discussing various healthcare-related concepts.
Component 2: Students will develop solutions to various clinical based problems.

**Goal 4:** Provide medical imaging technology students with opportunities for effective communication as future healthcare leaders.
Component 1: Students will use technology appropriately to support communication.
Component 2: Students will write effectively.
Component 3: Students will orally communicate effectively.

## III. Curriculum map:

This curriculum map demonstrates the courses that learning outcomes are traditionally assigned; however, they may shift depending on various reasons, i.e.student modality representation, course development, certification exam requirements, etc.

| | Goal 1 | Goal 2 | Goal 3 | Goal 4 |
|---|---|---|---|---|
| **AHLT-R 411 Introduction to MIT** | | 2.1 | 3.1 | 4.1 |
| **AHLT-R 485 Clinical Practicum** | | 2.1 | 3.1 | 4.1 |
| **AHLT-R 472 and AHLT-R 473 Multiplanar Anatomy and Pathology I and II, respectively** | | | 3.1, 3.2 | 4.1, 4.2 |
| **AHLT-R 405 Advanced Diagnostic Imaging I; AHLT-R 493 Ultrasound Physics and Instrumentation** | 1.1 | 2.1, 2.3 | | 4.1 |
| **AHLT-R 406 Advanced Diagnostic Imaging II** | | 2.3 | 3.2 | 4.1 |
| **AHLT-R 407 Seminars** | 1.2 | 2.1, 2.2 | 3.1, 3.2 | 4.1, 4.2 |
| **AHLT-R 409 Projects in Medical Imaging** | | 2.1 | 3.1 | 4.1, 4.2, 4.3 |
| **AHLT-R 48* Clinical Practicum** | 1.2 | 2.1 | 3.1 | 4.1, 4.2 |

*Students have chosen an advanced modality concentration. Each concentration has its own clinical course number.

** Activities listed in the assessment plan are fluid and may change as requirements for the national certification change regularly. Additionally, as new technology emerges for better instruction, the faculty may alter the artifacts to accommodate a better learning environment. Faculty will record artifacts used to measure the component during the reporting phase.

## IV. Assessment activities planned for the following academic year*:

**See above for activities and courses assessment methods

| Component | Criteria to Meet Expectations | Benchmark | Examples of Artifacts | Responsible Person |
|---|---|---|---|---|
| 1.1 Students will demonstrate the comprehension of advanced modality imaging knowledge. | Show proficiency in advanced modality imaging knowledge.<br>Show comprehension in advanced modality imaging knowledge. | **75%** of students will meet expectations | National Certification examination, mock exams, completing the required competencies | Faculty of Record |
| 1.2 Students will demonstrate technical skills in advanced modality imaging. | Alter technical factors to improve image quality.<br>Alter technical factors to improve patient care.<br>Ensure accurate imaging information.<br>Show proficiency in technical knowledge. | **80%** of students will meet expectations | Protocol books, end-semester evaluations, scan labs, Portfolio, Simulator activities | Faculty of Record |
| 2.1 Students will interact with others using professional communication. | Effectively engage peers using medical terminology.<br>Effectively engage peers with respect when communicating.<br>Communicates and interacts with diverse populations of people maintaining professionalism | **90%** of students will meet expectations | CN Post, end-semester evaluations, emails with faculty, discussion groups, Peer Review assignments | Faculty of Record |
| 2.2 Students will recognize ethical issues that have alternative interpretations. | Present relevant ethical topics.<br>Demonstrate ethical decision making in response to alternative interpretations. | **80%** of students will meet expectations | CN post, end-semester evaluations, discussions groups | Faculty of Record |
| 2.3 Students will demonstrate lifelong learning. | Maintaining certification in radiography<br>Completing professional development opportunities . | **100%** of students will meet expectations | Professional Development certificates, exit survey, discussions, Attend a professional educational conference | Faculty of Record/ MIT Program Coordinator |
| 3.1 Students will demonstrate critical thinking. | Show proficiency in advanced modality imaging knowledge.<br>Show comprehension in advanced modality imaging knowledge.<br>Show proficiency in technical knowledge. | **80%** of students will meet expectations | CN Post, Discussion groups, end-semester evaluations, Review session discussions, Scan labs, Simulators | Faculty of Record |
| 3.2 Students will develop solutions to various clinical-based problems. | Effectively develop solutions to improve patient care. | **80%** of students will | Discussions, end-semester evaluations, simulators, scan labs | Faculty of Record |

| | | | | |
|---|---|---|---|---|
| | Effectively develop solutions to improve image quality. | meet expectations | | |
| 4.1 Students will use technology appropriately to support communication. | Utilize technology to enhance communication. | **90%** of students will meet expectations | PowerPoint presentations, Video conferencing, Virtual recorded presentations | Faculty of Record |
| 4.2 Students will write effectively. | Adopts a clear academic writing style and controlled voice throughout the submission.<br>Demonstrates sufficient articulation of response.<br>Submissions show critical reading evidence in the summary, analysis, and/or synthesis of outside sources and others' ideas.<br>Sources have been appropriately vetted for credibility, relevance, and purpose. There is no evidence of plagiarism. | **75%** of students will meet expectations | Portfolio, Papers, Discussion groups, Presentations, Exams | Faculty of Record |
| 4.3 Students will orally communicate effectively. | Use appropriate organization or logical sequencing to deliver a verbal message.<br>Adapt a verbal message for diverse audiences, contexts, and communication channels.<br>Provide credible and relevant evidence to support an oral argument.<br>Demonstrates sufficient articulation of response. | **75%** of students will meet expectations | Presentations, end-semester evaluations, review sessions | Faculty of Record |

## V. Reporting Schedule

During the goal's reporting year, the correlating components will be measured and reported.

| *Goal #* | *Collect Data* | *Review and Analyze* | *Report Data* |
|---|---|---|---|
| *Goals 2 and 3* | **2020-2021** FA 2020, SP & SU 2021 | FA 2021 | Jan 2022 |
| *Goals 1 and 4* | **2021-2022** FA 2021, SP & SU 2022 | FA 2022 | Jan 2023 |
| *Goals 2 and 3* | **2022-2023** FA 2022, SP & SU 2023 | FA 2023 | Jan 2024 |
| *Goals 1 and 4* | **2023-2024** FA 2023, SP & SU 2024 | FA 2024 | Jan 2025 |
| *Goals 2 and 3* | **2024-2025** FA 2024, SP & SU 2025 | FA 2025 | Jan 2026 |

## III. Curriculum map:

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