**BMSC IN MEDICAL IMAGING**

**EMORY UNIVERSITY**

# DEGREE COMPLETION REQUIREMENTS AND COURSE SEQUENCE

**CERTIFICATE, DIPLOMA, ASSOCIATE DEGREE GRADUATES**

**FULL TIME STUDENTS**

## Prerequisite Courses: Core Curriculum

 **- Humanities 10 semester hours**

 **- Social Sciences 10 semester hours**

 **- Natural Sciences 10 semester hours**

**Credentials: Current A.R.R.T. certification**

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| --- | --- | --- | --- |
| **FULL TIME:** |  |  |  |
|  |  |  |  |
| **Summer:** | **MI 221c\*** | **ANATOMY & PHYSIOLOGY** | **3\*** |
|  | **MI 323** | **MEDICAL IMAGING SAFETY**  | **2** |
|  | **MI 421** | **IMAGING EQUIPMENT**  | **3** |
|  |  |  |  |
| **ADM** | MI 430 | PRINCIPLES OF MANAGEMENT | 3 |
|  | MI 431 | BUSINESS COMMUNICATION | 3 |
|  | M1 463a | MANAGEMENT PRACTICUM | 2 |
|  |  |  |  |
| **ED** | MI 440 | INTRODUCTION TO MEDICAL IMAGING EDUCATION  | 3 |
|  | MI 441 | METHODS AND MATERIALS OF TEACHING | 3 |
|  | MI 431 | BUSINESS COMMUNICATION | 3 |
|  |  |  |  |
| **CT** | MI 450 | CT PHYSICS AND INSTRUMENTATION | 3 |
|  | MI 451a | CT PROCEDURES  | 2 |
|  | MI 465a | CT PRACTICUM | 2 |
|  |  |  |  |
| **MRI** | MI 453a  | MRI PHYSICS AND INSTRUMENTATION | 2 |
|  | MI 455a | MRI PROCEDURES  | 2 |
|  | MI 467a | MRI PRACTICUM | 2 |
|  |  | ELECTIVE | 2-3 |
|  |  |  |  |
| **Fall:** | **MI 327** | **COMPUTER APPLICATIONS IN MEDICAL IMAGING** | **1** |
|  | **MI 390r** | **MEDICAL IMAGING SEMINAR** | **1** |
|  | **MI 411** | **PHARMACOLOGY** | **2** |
|  | **MI 497r** | **DIRECTED STUDY** | **2** |
|  |  |  |  |
| **ADM** | MI 433 | ORGANIZATIONAL BEHAVIOR | 3 |
|  | MI 435 | HOSPITAL ORGANIZATION AND PERSONNEL MANAGEMENT | 3 |
|  | MI 463b | MANAGEMENT PRACTICUM | 2 |
|  |  |  |  |
| **ED** | MI 443r | PRACTICE TEACHING (CLINICAL) | 3 |
|  | MI 445r | PRACTICE TEACHING (DIDACTIC) | 2 |
|  | MI 435 | HOSPITAL ORGANIZATION AND PERSONNEL MANAGEMENT | 3 |
|  |  |  |  |
| **CT** | MI 451b | CT PROCEDURES  | 2 |
|  | MI 465b | CT PRACTICUM | 3 |
|  |  | ELECTIVE | 3 |
|  |  |  |  |
| **MRI** | MI 453b | MRI PHYSICS AND INSTRUMENTATION | 2 |
|  | MI 455b | MRI PROCEDURES  | 2 |
|  | MI 467b | MRI PRACTICUM | 3 |
|  |  | ELECTIVE (If not taken in previous semester) | 2-3 |
|  |  |  |  |
| **Spring:** | **MI 211c** | **PATIENT CARE** | **3** |
|  | **MI 427** | **EVALUATION & MEASUREMENT** | **3** |
|  | **MI 496r** | **INDEPENDENT STUDY**  | **2** |
|  | **MI 390r** | **MEDICAL IMAGING SEMINAR** | **1** |
|  |  |  |  |
| **ADM** | MI 437 | HEALTHCARE FINANCE | 3 |
|  | MI 439 | MARKETING | 3 |
|  | MI 463c | MANAGEMENT PRACTICUM | 2 |
|  |  |  |  |
| **ED** | MI 447 | ADMINISTRATION OF MEDICAL IMAGING PROGRAMS | 3 |
|  | MI 443r | PRACTICE TEACHING (CLINICAL) | 2 |
|  | MI 445r | PRACTICE TEACHING (DIDACTIC) | 3 |
|  |  |  |  |
| **CT** | MI 451c | CT PROCEDURES  | 2 |
|  | MI 465c | CT PRACTICUM | 4 |
|  |  | ELECTIVE | 3 |
|  |  |  |  |
| **MRI** | MI 453c | MRI PHYSICS AND INSTRUMENTATION | 2 |
|  | MI 455c | MRI PROCEDURES  | 2 |
|  | MI 467c | MRI PRACTICUM | 4 |
|  |  |  |  |

**\*If not completed in prior coursework. Courses in “BOLD” are taken by all students.**