# http://www.ric.edu/webcommunications/images/SealWithText_Small_Black.pngUNDERGRADUATE CURRICULUM COMMITTEE (UCC) PROPOSAL FORM

## Cover page scroll over blue text to see further important [instructions](#instructions): [if not working select “COMMents on rollover” in your Word preferences under view] please read these.

**N.B. DO NOT USE HIGHLIGHT, where choices are given within categories, please DELETE those THAT DO NOT APPLY TO YOUR PROPOSAL. Do not delete numbered categories.**

**ALL numbers in section (A) to be completed, including the impact ones (#5-7), put “none” if that is the case.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A.1. [Course or program](#Proposal) | **BS in Medical Imaging concentrations in DMS, MRI, NMT and RADT** | | | |  |
| [Replacing](#Ifapplicable) |  | | | |
| A.2. [Proposal type](#type) | **Program:** [**revision**](#revision) | | | |
| A.3. [Originator](#Originator) | **Eric Hall** | [Home department](#home_dept) | **Biology/Health Sciences** | | |
| A.4. [Context and Rationale](#Rationale) | **Both nationally and locally, medicine and related disciplines seem to be in a constant state of change. We recently undertook a major revision to all of the medical imaging concentrations in order to streamline the application process and make all of the concentrations conform to a similar schedule. We started delivering this new curriculum in the Fall of 2019. In the meantime, there has been a great deal of pressure on the college and the Lifespan School of Medical Imaging to expand the concentrations in order to accept more students. Furthermore, we have been extensively exploring expanding the Medical Imaging program (at RIC) to include certificate programs currently offered by LSMI. Such growth of existing programs and additional programs requires increased classroom space and improved access to services (i.e. Disability Services, OASIS, Career Development, etc.).**  **Given these pressures, we are proposing some changes in the structure of the curriculum, which will increase the efficiency of content delivery while providing increased access to college support and academic services.**  **Course content that is equivalent across the 4 major concentrations, but currently offered separately to each cohort of students, will be consolidated into single MEDI courses, which all of the clinical students (accepted into one of the four currently available concentrations) will need to take. These courses will be moved from the LSMI facility to an on-campus location since the class size will exceed the classroom capacity at LSMI. It will also standardize the instruction across all of the concentrations and improve the learning environment by exposing students to colleagues in different but related modalities (RAD students sitting in the classroom with DMS, MRI, and NMT students).**  **In addition, we will be renaming the Radiologic Technology concentration. The new name will be Radiography. All of the current RADT courses will be replaced by the new prefix, RAD. This is to meet current national trends in Radiography education.**  **To avoid confusion with old course numbers, we will be assigning many new course numbers and redesigning the programs while retaining the core content and clinical experiences responsible for our overwhelming current level of student success.**  **We are creating MEDI 308 to provide students with a focused, imaging-specific course in professional behavior and expectations, including the ability to deal with patients and other health care teammates. As a consequence, we will be deleting the COMM 338 requirement.**  **The creation of MEDI 463 Senior Seminar in Medical Imaging will provide an opportunity for students to explore additional advanced topics in their modality, increased interprofessional exposure from fellow students, and an improved vehicle for Writing in the Discipline.**  **MEDI 201 and 255 will be retained, while MEDI 255 will be expanded to 3 credits.**  **We will be creating the following new MEDI courses:**  **MEDI 203 Complete Introduction to Medical Imaging, 3 credits, offered in Fall**  **MEDI 205 Medical Terminology in Medical Imaging, 1 credit, offered in Fall**  **MEDI 308 Professional Behavior in Medical Imaging, 3 credits, offered in Fall**  **MEDI 309 Sectional Anatomy in Medical Imaging, 3 credits, offered in Fall**  **MEDI 410 Pathology in Medical Imaging, 3 credits, offered in Fall**  **MEDI 463 Senior Seminar in Medical Imaging, 3 credits, offered in Spring**  **These changes will create a common core for all Medical Imaging majors: MEDI 201, 203, 205, 255, 308 and 463. DMS students will not be taking MEDI 309 or 410.**  **New courses in each concentration:**    **Diagnostic Medical Sonography:**  **DMS 305 Foundations of Diagnostic Medical Sonography, 3 credits, offered in Fall**  **DMS 306 Sonographic Physics and Instrumentation, 4 credits, offered in Spring**  **DMS 308 Abdominal and Small Parts Sonography, 5 credits, offered in Spring**  **DMS 309 Clinical Education I, 3 credits, offered in Spring**  **DMS 312 Sonographic Women’s Imaging, 4 credits, offered in Summer**  **DMS 313 Clinical Education II, 5 credits, offered in Summer**  **DMS 431 Obstetrical Sonography, 4 credits, offered in Fall**  **DMS 432 Vascular Sonography, 4 credits, offered in Fall**  **DMS 433 Clinical Education III, 4 credits, offered in Fall**  **DMS 434 Advanced Procedures in DMS, 3 credits, offered in Spring**  **DMS 435 Registry Review, 3 credits, offered in Spring**  **DMS 436 Clinical Education IV, 4 credits, offered in Spring**  **DMS students will also be required to take MEDI 201, 203, 205, 255, 308 and 463.**  **Total credits for the clinical program will be 60.**  **Magnetic Resonance Imaging:**  **MRI 302 Foundations of Magnetic Resonance Imaging 3 credits, offered in Spring**  **MRI 303 Procedures I, 3 credits, offered in Spring**  **MRI 304 Physical Principles I, 4 credits, offered in Spring**  **MRI 305 Clinical Education I, 3 credits, offered in Spring**  **MRI 306 Procedures II, 3 credits, offered in Summer**  **MRI 307 Clinical Education II, 5 credits, offered in Summer**  **MRI 431 Physical Principles II, 4 credits, offered in Fall**  **MRI 432, Clinical Education III, 5 credits, offered in Fall**  **MRI 433, Advanced Procedures in MRI, 3 credits, offered in Spring**  **MRI 434, Registry Review, 3 credits, offered in Spring**  **MRI 435, Clinical Education IV, 4 credits, offered in Spring**  **MRI students will also be required to take MEDI 201, 203, 205, 255, 308, 309, 410 and 463.**  **Total credits for the clinical program will be 60.**  **Nuclear Medicine Technology:**  **NMT 302 Foundations of Nuclear Medicine Technology, 3 credits, offered in Spring**  **NMT 303 Nuclear Medicine Procedures I, 3 credits, offered in Spring**  **NMT 304 Radiation Safety and Radiobiology, 3 credits, offered in Spring**  **NMT 336 Clinical Education I, 3 credits, offered in Spring**  **NMT 306 Nuclear Medicine Procedures II and Therapeutics, 3 credits, offered in Summer**  **NMT 337 Clinical Education II, 5 credits, offered in Summer**  **NMT 433 Radiopharmaceuticals in Nuclear Medicine, 3 credits, offered in Fall**  **NMT 434 Radiation Physics and Advanced Instrumentation, 3 credits, offered in Fall**  **NMT 436 Clinical Education III, 5 credits, offered in Fall**  **NMT 435 Registry Review, 3 credits, offered in Spring**  **NMT 437 Clinical Education IV, 4 credits, offered in Spring**  **NMT students will also be required to take MEDI 201, 203, 205, 255, 308, 309, 410 and 463. They will also need to take CTSC 300 and 301.**  **Total credits for this clinical program will be 62.**  **Radiography:**  **RAD 331 Foundations of Radiography, 3 credits, offered in Spring**  **RAD 332 Radiographic Procedures I, 3 credits, offered in Spring**  **RAD 334 Principles of Radiography, 4 credits, offered in Spring**  **RAD 336 Clinical Education I, 3 credits, offered in Spring**  **RAD 333 Radiographic Procedures II, 3 credits, offered in Summer**  **RAD 335 Radiation Physics, 3 credits, offered in Summer**  **RAD 338 Clinical Education II, 5 credits, offered in Summer**  **RAD 432 Advanced Principles of Radiobiology, 4 credits, offered in Fall**  **RAD 433 Clinical Education III, 5 credits, offered in Fall**  **RAD 434 Advanced Procedures in Radiography, 3 credits, offered in Spring**  **RAD 435 Registry Review, 3 credits, offered in Spring**  **RAD 436 Clinical Education IV, 4 credits, offered in Spring**  **RAD students will also be required to take MEDI 201 203, 205, 255, 308, 309, 410 and 463.**  **Total credits for the clinical program will be 63.**  **Students who will be entering their senior year (last year of clinical) starting in the Fall of 2020 will be registered for the existing courses. Thus, the current courses needed for those students will be retained for one more year, after which they can be deleted. Students who are starting clinicals in Fall 2020 will be enrolled into the new curriculum.**  **While three of the four concentrations will be going up in credits (above the 80- credit threshold), these remain within guidelines as there are courses within the cognates that will double count as Gen Eds.** | | | | |
| A.5. [Student impact](#student_impact) | **Clear expectations, fulltime enrollment each semester** | | | | |
| A.6. [Impact on other programs](#impact) | **Decreased demand for COMM 338 as this course is being eliminated as a program requirement.** | | | | |
| A.7. [Resource impact](#Resource) | [*Faculty PT & FT*](#faculty): | **None** | | | |
| [*Library*:](#library) | **None** | | | |
| [*Technology*](#technology) | **None** | | | |
| [*Facilities*](#facilities): | **Increased reliance on RIC classroom space** | | | |
| A.8. [Semester effective](#Semester_effective) | **Fall 2020** | A.9. [Rationale if sooner than next Fall](#Semester_effective) | |  | |
| A.10. INSTRUCTIONS FOR CATALOG COPY: This single file copy must include ALL relevant pages from the college catalog, and show how the catalog will be revised. (1) Go to the “Forms and Information” page on the UCC website. Scroll down until you see the Word files for the current catalog. (2) Download ALL catalog sections relevant for this proposal, including course descriptions and/or other affected programs. (3) Place ALL relevant catalog copy into a single file. Put page breaks between sections and **delete any catalog pages not relevant for this proposal**. (4) Using the track changes function, revise the catalog pages to demonstrate what the information should look like in next year’s catalog. (5) Check the revised catalog pages against the proposal form, especially making sure that program totals are correct if adding/deleting course credits. If new copy, indicate where it should go in the catalog. If making related proposals a single catalog copy that includes all is acceptable. Send as a separate single file along with this form. | | | | | |

### C. [Program Proposals](#program_proposals) **complete only what is relevant to your proposal. Delete this whole page if the proposal is not revising, creating, deleting or suspending any progam.**

|  | [Old (for revisions only)](#old_program) | New/revised |
| --- | --- | --- |
| C.1. [Enrollments](#enrollments) |  | **Will increase** |
| C.2. [Admission requirements](#admissions) |  | **unchanged** |
| C.3. [Retention requirements](#retention) |  | **unchanged** |
| C.4. [Course requirements](#course_reqs) for each program option. Show the course requirements for the whole program here. | C. Diagnostic Medical Sonography  |  |  |  |  | | --- | --- | --- | --- | | [DMS 300](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-300) | Introduction to Diagnostic Medical Sonography | 1.5 | Fall | | [DMS 301](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-301) | Abdominal Sonography I | 1.5 | Spring | | [DMS 302](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-302) | Scan Lab I | 1 | Spring | | [DMS 303](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-303) | Abdominal Sonography II | 1.5 | Summer | | [DMS 305](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-305) | Obstetrical and Gynecological Sonography I | 1.5 | Spring | | [DMS 306](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-306) | Obstetrical and Gynecological Sonography II | 1.5 | Summer | | [DMS 307](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-307) | Sonographic Principles and Instrumentation | 3 | Spring | | [DMS 310](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-310) | Clinical Practice I | 6 | Spring | | [DMS 312](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-312) | Scan Lab II | 1 | Summer | | [DMS 330](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-330) | Clinical Practice II | 8 | Summer | | [DMS 333](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-333) | Abdominal Sonography III | 1.5 | Fall | | [DMS 335](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-335) | Obstetrical and Gynecological Sonography III | 1.5 | Fall | | [DMS 403](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/400/DMS-403) | Abdominal Sonography IV | 1.5 | Spring | | [DMS 406](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/400/DMS-406) | Obstetrical and Gynecological Sonography IV | 1.5 | Spring | | [DMS 410](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/400/DMS-410) | Clinical Practice III | 8 | Fall | | [DMS 412](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/400/DMS-412) | Scan Lab III | 1 | Fall | | [DMS 422](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/400/DMS-422) | Scan Lab IV | 1 | Spring | | [DMS 430](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/400/DMS-430) | Clinical Practice IV | 6 | Spring | | [MEDI 201](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-201) | Orientation to Medical Imaging | 1 | Fall, Spring | | [MEDI 202](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-202) | Introduction to Medical Imaging | 1.5 | Fall | | [MEDI 255](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-255) | Patient Care Interventions for Allied Health | 1.5 | Fall |  **Cognates**  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | [BIOL 108](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/100/BIOL-108) | Basic Principles of Biology | 4 | Fall, Spring, Summer | | [BIOL 231](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/200/BIOL-231) | Human Anatomy | 4 | Fall, Spring, Summer | | [BIOL 335](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/300/BIOL-335) | Human Physiology | 4 | Fall, Spring, Summer | | [CHEM 105](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CHEM-Chemistry/100/CHEM-105) | General, Organic and Biological Chemistry I | 4 | Fall, Spring, Summer | | [COMM 338](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/COMM-Communication/300/COMM-338) | Communication for Health Professionals | 4 | Fall | | [MATH 209](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MATH-Mathematics/200/MATH-209) | Precalculus Mathematics | 4 | Fall, Spring, Summer | | [PHYS 110](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/PHYS-Physics/100/PHYS-110) | Introductory Physics | 4 | Spring, Fall, Summer |  D. Magnetic Resonance Imaging  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | [MRI 301](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/300/MRI-301) | Introduction to Magnetic Resonance Imaging | 3 | Spring | | [MRI 309](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/300/MRI-309) | Clinical Observation | 3.5 | Spring | | [MRI 310](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/300/MRI-310) | Clinical Practice I | 8 | Summer | | [MRI 311](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/300/MRI-311) | Cross Sectional Anatomy and Imaging Procedures I | 3 | Summer | | [MRI 321](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/300/MRI-321) | Physical Principles I | 3 | Summer | | [MRI 410](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/400/MRI-410) | Clinical Practice II | 8 | Fall | | [MRI 411](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/400/MRI-411) | Cross Sectional Anatomy and Imaging Procedures II | 3 | Fall | | [MRI 420](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/400/MRI-420) | Clinical Practice III | 6 | Spring | | [MRI 421](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/400/MRI-421) | Physical Principles II | 3 | Fall | | [MRI 430](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/400/MRI-430) | Registry Review | 3 | Spring | | [MRI 455](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/400/MRI-455) | MRI Pathology | 1.5 | Spring | | [MEDI 201](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-201) | Orientation to Medical Imaging | 1 | Fall, Spring | | [MEDI 202](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-202) | Introduction to Medical Imaging | 1.5 | Fall | | [MEDI 255](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-255) | Patient Care Interventions for Allied Health | 1.5 | Fall |  **Cognates**  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | [BIOL 108](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/100/BIOL-108) | Basic Principles of Biology | 4 | Fall, Spring, Summer | | [BIOL 231](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/200/BIOL-231) | Human Anatomy | 4 | Fall, Spring, Summer | | [BIOL 335](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/300/BIOL-335) | Human Physiology | 4 | Fall, Spring, Summer | | [CHEM 105](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CHEM-Chemistry/100/CHEM-105) | General, Organic and Biological Chemistry I | 4 | Fall, Spring, Summer | | [COMM 338](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/COMM-Communication/300/COMM-338) | Communication for Health Professionals | 4 | Fall | | [MATH 209](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MATH-Mathematics/200/MATH-209) | Precalculus Mathematics | 4 | Fall, Spring, Summer | | [PHYS 110](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/PHYS-Physics/100/PHYS-110) | Introductory Physics | 4 | Spring, Fall, Summer |  E. Nuclear Medicine Technology  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | [MEDI 201](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-201) | Orientation to Medical Imaging | 1 | Fall, Spring. | | [MEDI 202](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-202) | Introduction to Medical Imaging | 1.5 | Fall | | [MEDI 255](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-255) | Patient Care Interventions for Allied Health | 1.5 | Fall | | [NMT 231](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/200/NMT-231) | Clinical Observation | 3.5 | Spring | | [NMT 301](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/300/NMT-301) | Introduction to Nuclear Medicine Technology | 3 | Spring | | [NMT 311](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/300/NMT-311) | Radiation Safety | 1 | Spring | | [NMT 321](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/300/NMT-321) | Diagnostic Nuclear Medicine Procedures I | 3 | Spring | | [NMT 325](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/300/NMT-325) | Radiation Physics | 1 | Summer | | [NMT 332](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/300/NMT-332) | Clinical Diagnostic Procedures I | 8 | Summer | | [NMT 402](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/400/NMT-402) | Instrumentation and Radiobiology | 1.5 | Fall | | [NMT 405](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/400/NMT-405) | Radiopharmacy | 1 | Summer | | [NMT 421](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/400/NMT-421) | Diagnostic Nuclear Medicine Procedures II | 3 | Summer | | [NMT 425](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/400/NMT-425) | Diagnostic Nuclear Medicine Procedures III | 3 | Fall. | | [NMT 430](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/400/NMT-430) | Registry Review | 2 | Spring | | [NMT 431](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/400/NMT-431) | Clinical Diagnostic Procedures II | 8 | Fall | | [NMT 432](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/400/NMT-432) | Clinical Diagnostic Procedures III | 6 | Spring | | [CTSC 300](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CTSC-Computed-Tomography/300/CTSC-300) | Principles of Computed Tomography | 2 | As needed | | [CTSC 301](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CTSC-Computed-Tomography/300/CTSC-301) | Computed Tomography Physics and Radiation Protection | 2 | As needed | | [CTSC 407](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CTSC-Computed-Tomography/400/CTSC-407) | Sectional Anatomy and Pathology | 2 | As needed |  **Cognates**  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | [BIOL 108](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/100/BIOL-108) | Basic Principles of Biology | 4 | Fall, Spring, Summer. | | [BIOL 231](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/200/BIOL-231) | Human Anatomy | 4 | Fall, Spring, Summer. | | [BIOL 335](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/300/BIOL-335) | Human Physiology | 4 | Fall, Spring, Summer. | | [CHEM 105](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CHEM-Chemistry/100/CHEM-105) | General, Organic and Biological Chemistry I | 4 | Fall, Spring, Summer. | | [COMM 338](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/COMM-Communication/300/COMM-338) | Communication for Health Professionals | 4 | Fall. | | [MATH 209](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MATH-Mathematics/200/MATH-209) | Precalculus Mathematics | 4 | Fall, Spring, Summer. | | [PHYS 110](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/PHYS-Physics/100/PHYS-110) | Introductory Physics | 4 | Spring, Fall, Summer. |  F. Radiologic Technology  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | [MEDI 201](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-201) | Orientation to Medical Imaging | 1 | Fall, Spring | | [MEDI 202](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-202) | Introduction to Medical Imaging | 1.5 | Fall | | [MEDI 255](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-255) | Patient Care Interventions for Allied Health | 1.5 | Fall | | [RADT 301](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-301) | Introduction to Radiographic Procedures | 2 | Fall | | [RADT 305](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-305) | Skeletal Anatomy | 3 | Spring | | [RADT 306](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-306) | Radiographic Procedures I | 4 | Spring | | [RADT 307](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-307) | Radiographic Procedures II | 3 | Summer | | [RADT 309](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-309) | Clinical Education I | 4 | Spring | | [RADT 310](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-310) | Clinical Education II | 8 | Summer | | [RADT 320](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-320) | Principles of Radiography I | 3 | Spring | | [RADT 321](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-321) | Principles of Radiography II | 3 | Fall | | [RADT 330](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-330) | Radiation Physics I | 3 | Summer | | [RADT 411](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/400/RADT-411) | Clinical Education III | 8 | Fall | | [RADT 412](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/400/RADT-412) | Clinical Education IV | 6 | Spring | | [RADT 425](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/400/RADT-425) | Ethics/Critical Thinking and Problem Solving | 2 | Fall | | [RADT 431](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/400/RADT-431) | Radiation Physics II | 3 | Spring | | [RADT 461](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/400/RADT-461) | Registry Review | 3 | Spring |  **Cognates**  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | [BIOL 108](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/100/BIOL-108) | Basic Principles of Biology | 4 | Fall, Spring, Summer | | [BIOL 231](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/200/BIOL-231) | Human Anatomy | 4 | Fall, Spring, Summer | | [BIOL 335](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/300/BIOL-335) | Human Physiology | 4 | Fall, Spring, Summer | | [CHEM 105](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CHEM-Chemistry/100/CHEM-105) | General, Organic and Biological Chemistry I | 4 | Fall, Spring, Summer | | [COMM 338](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/COMM-Communication/300/COMM-338) | Communication for Health Professionals | 4 | Fall. | | [MATH 209](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MATH-Mathematics/200/MATH-209) | Precalculus Mathematics | 4 | Fall, Spring, Summer | | [PHYS 110](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/PHYS-Physics/100/PHYS-110) | Introductory Physics | 4 | Spring, Fall, Summer | | C. Diagnostic Medical Sonography  |  |  |  |  | | --- | --- | --- | --- | | [DMS 305](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-300) | Foundations of Diagnostic Medical Sonography | 3 | Fall. | | DMS 306 | Sonographic Physics and Instrumentation | 4 | Spring | | [DMS 308](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-302) | Abdominal and Small Parts Sonography | 5 | Spring | | [DMS 309](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-303) | Clinical Education I | 3 | Spring | | [DMS 312](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-305) | Sonographic Women’s Imaging | 4 | Summer | | [DMS 313](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-306) | Clinical Education II | 5 | Summer | | [DMS 431](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-307) | Obstetrical Sonography | 4 | Fall | | [DMS 432](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-310) | Vascular Sonography | 4 | Fall | | [DMS 433](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-312) | Clinical Education III | 4 | Fall | | [DMS 434](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-330) | Advanced Procedures in Diagnostic Medical Imaging | 3 | Spring | | [DMS 435](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-333) | Registry Review | 3 | Spring | | [DMS 436](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/DMS-Diagnostic-Medical-Sonography/300/DMS-335) | Clinical Education IV | 4 | Spring | | [MEDI 201](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-201) | Orientation to Medical Imaging | 1 | Fall, Spring | | MEDI 203 | Complete Introduction to Medical Imaging | 3 | Fall | | MEDI 205 | Medical Terminology in Medical Imaging | 1 | Fall | | [MEDI 255](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-255) | Patient Care in Medical Imaging | 3 | Fall | | MEDI 308 | Professional Behavior in Medical Imaging | 3 | Fall | | MEDI 463 | Senior Seminar in Medical Imaging | 3 | Spring |  **Cognates**  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | [BIOL 108](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/100/BIOL-108) | Basic Principles of Biology | 4 | Fall, Spring, Summer | | [BIOL 231](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/200/BIOL-231) | Human Anatomy | 4 | Fall, Spring, Summer | | [BIOL 335](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/300/BIOL-335) | Human Physiology | 4 | Fall, Spring, Summer | | [CHEM 105](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CHEM-Chemistry/100/CHEM-105) | General, Organic and Biological Chemistry I | 4 | Fall, Spring, Summer | | [MATH 209](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MATH-Mathematics/200/MATH-209) | Precalculus Mathematics | 4 | Fall, Spring, Summer. | | [PHYS 110](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/PHYS-Physics/100/PHYS-110) | Introductory Physics | 4 | Spring, Fall, Summer |  D. Magnetic Resonance Imaging  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credis | Offered | | [MRI 30](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/300/MRI-301)2 | Foundations of Magnetic Resonance Imaging | 3 | Spring | | MRI 303 | Procedures I | 3 | Spring | | [MRI 304](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/300/MRI-310) | Physical Principles I | 4 | Spring | | [MRI 305](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/300/MRI-311) | Clinical Education I | 3 | Spring | | [MRI 306](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/300/MRI-321) | Procedures II | 3 | Summer | | [MRI 307](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/400/MRI-410) | Clinical Education II | 5 | Summer | | [MRI 431](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/400/MRI-411) | Physical Principles II | 4 | Fall | | [MRI 432](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/400/MRI-420) | Clinical Education III | 5 | Fall | | [MRI 433](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/400/MRI-430) | Advanced Procedures in Magnetic Resonance Imaging | 3 | Spring | | [MRI 434](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MRI-Magnetic-Resonance-Imaging/400/MRI-455) | MRI Registry Review | 3 | Spring | | MRI 435 | Clinical Education IV | 4 | Spring | | [MEDI 201](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-201) | Orientation to Medical Imaging | 1 | Fall, Spring | | MEDI 203 | Complete Introduction to Medical Imaging | 3 | Fall | | MEDI 205 | Medical Terminology in Medical Imaging | 1 | Fall | | [MEDI 255](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-255) | Patient Care in Medical Imaging | 3 | Fall | | MEDI 308 | Professional Behavior in Medical Imaging | 3 | Fall | | MEDI 309 | Sectional Anatomy in Medical Imaging | 3 | Fall | | MEDI 410 | Pathology in Medical Imaging | 3 | Fall | | MEDI 463 | Senior Seminar in Medical Imaging | 3 | Spring |  **Cognates**  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | [BIOL 108](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/100/BIOL-108) | Basic Principles of Biology | 4 | Fall, Spring, Summer | | [BIOL 231](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/200/BIOL-231) | Human Anatomy | 4 | Fall, Spring, Summer | | [BIOL 335](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/300/BIOL-335) | Human Physiology | 4 | Fall, Spring, Summer. | | [CHEM 105](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CHEM-Chemistry/100/CHEM-105) | General, Organic and Biological Chemistry I | 4 | Fall, Spring, Summer | | [MATH 209](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MATH-Mathematics/200/MATH-209) | Precalculus Mathematics | 4 | Fall, Spring, Summer | | [PHYS 110](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/PHYS-Physics/100/PHYS-110) | Introductory Physics | 4 | Spring, Fall, Summer. |  E. Nuclear Medicine Technology  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | CTSC 300 | Principles of Computed Tomography | 2 | As needed | | [CTSC 301](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CTSC-Computed-Tomography/300/CTSC-301) | Computed Tomography Physics and Radiation Protection | 2 | As needed | | MEDI 201 | Orientation to Medical Imaging | 1 | Fall, Spring | | MEDI 203 | Complete Introduction to Medical Imaging | 3 | Fall | | MEDI 205 | Medical Terminology in Medical Imaging | 1 | Fall | | [MEDI 255](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MEDI-Medical-Imaging/200/MEDI-255) | Patient Care in Medical Imaging | 3 | Fall | | MEDI 308 | Professional Behavior in Medical Imaging | 3 | Fall | | MEDI 309 | Sectional Anatomy in Medical Imaging | 3 | Fall | | MEDI 410 | Pathology in Medical Imaging | 3 | Fall | | MEDI 463 | Senior Seminar in Medical Imaging | 3 | Spring | | [NMT 302](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/200/NMT-231) | Foundations of Nuclear Medicine Technology | 3 | Spring | | [NMT 303](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/300/NMT-301) | Nuclear Medicine Procedures I | 3 | Spring | | NMT 304 | Radiation Safety and Radiobiology | 3 | Spring | | [NMT 336](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/300/NMT-321) | Clinical Education I | 3 | Spring | | [NMT 306](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/300/NMT-325) | Nuclear Medicine Procedures II and Therapeutics | 3 | Summer | | [NMT 337](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/300/NMT-332) | Clinical Education II | 5 | Summer | | [NMT 433](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/400/NMT-402) | Radiopharmaceuticals in Nuclear Medicine | 3 | Fall | | [NMT 434](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/400/NMT-405) | Radiation Physics and Advanced Instrumentation | 3 | Fall | | [NMT 436](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/400/NMT-421) | Clinical Education III | 5 | Fall | | NMT 435 | NMT Registry Review | 3 | Spring | | [NMT 437](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/NMT-Nuclear-Medicine-Technology/400/NMT-430) | Clinical Education IV | 4 | Spring | |  |  |  |  |  **Cognates**  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | [BIOL 108](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/100/BIOL-108) | Basic Principles of Biology | 4 | Fall, Spring, Summer | | [BIOL 231](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/200/BIOL-231) | Human Anatomy | 4 | Fall, Spring, Summer | | [BIOL 335](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/300/BIOL-335) | Human Physiology | 4 | Fall, Spring, Summer | | [CHEM 105](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CHEM-Chemistry/100/CHEM-105) | General, Organic and Biological Chemistry I | 4 | Fall, Spring, Summer | | [MATH 209](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MATH-Mathematics/200/MATH-209) | Precalculus Mathematics | 4 | Fall, Spring, Summer | | [PHYS 110](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/PHYS-Physics/100/PHYS-110) | Introductory Physics | 4 | Spring, Fall, Summer |  F. RAdiography  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | MEDI 201 | Orientation to Medical Imaging | 1 | Fall, Spring | | MEDI 203 | Complete Introduction to Medical Imaging | 3 | Fall | | MEDI 205 | Medical Terminology in Medical Imaging | 1 | Fall | | MEDI 255 | Patient Care in Medical Imaging | 3 | Fall | | MEDI 308 | Professional Behavior in Medical Imaging | 3 | Fall | | MEDI 309 | Sectional Anatomy in Medical Imaging | 3 | Fall | | MEDI 410 | Pathology in Medical Imaging | 3 | Fall | | MEDI 463 | Senior Seminar in Medical Imaging | 3 | Spring | | [RAD 331](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-301) | Foundations of Radiography | 3 | Fall | | [RAD 332](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-305) | Radiographic Procedures I | 3 | Fall | | [RAD 333](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-306) | Principles of Radiography | 4 | Fall | | [RAD 334](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-307) | Clinical Education I | 3 | Fall | | RAD 335 | Radiographic Procedures II | 3 | Summer | | [RAD 336](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-310) | Radiation Physics | 3 | Summer | | [RAD 338](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-320) | Clinical Education II | 5 | Summer | | [RAD 432](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-321) | Advanced Principles of Radiobiology | 4 | Fall | | [RAD 433](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/300/RADT-330) | Clinical Education III | 5 | Fall | | [RAD 434](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/400/RADT-411) | Advanced Procedures in Radiography | 3 | Spring | | [RAD 435](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/400/RADT-412) | Registry Review | 3 | Spring | | [RAD 436](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/RADT-Radiologic-Technology/400/RADT-425) | Clinical Education IV | 4 | Spring |  **Cognates**  |  |  |  |  | | --- | --- | --- | --- | | Course | Title | Credits | Offered | | [BIOL 108](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/100/BIOL-108) | Basic Principles of Biology | 4 | Fall, Spring, Summer | | [BIOL 231](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/200/BIOL-231) | Human Anatomy | 4 | Fall, Spring, Summer | | [BIOL 335](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/BIOL-Biology/300/BIOL-335) | Human Physiology | 4 | Fall, Spring, Summer | | [CHEM 105](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/CHEM-Chemistry/100/CHEM-105) | General, Organic and Biological Chemistry I | 4 | Fall, Spring, Summer | | [MATH 209](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/MATH-Mathematics/200/MATH-209) | Precalculus Mathematics | 4 | Fall, Spring, Summer | | [PHYS 110](http://ric.smartcatalogiq.com/en/2019-2020/Catalog/Courses/PHYS-Physics/100/PHYS-110) | Introductory Physics | 4 | Spring, Fall, Summer | |
| C.5. [Credit count](#credit_count) for each program option | **DMS: 80.5**  **MRI: 77 NMT: 82**  **RADT: 87** | **DMS: 84**  **MRI: 84 NMT: 86**  **RADT: 87** |
| C.6. Other changes if any |  |  |
| C.7 [Program goals](file:///C:/Users/sabbotson/Documents/Curriculum/Program%20goals)  Needed for all new programs |  |  |

## D. Signatures

* Changes that affect General Education in any way MUST be approved by ALL Deans and COGE Chair.
* Changes that directly impact more than one department/program MUST have the signatures of all relevant department chairs, program directors, and their relevant dean (e.g. when creating/revising a program using courses from other departments/programs). Check UCC manual 4.2 for further guidelines on whether the signatures need to be approval or acknowledgement.
* Proposals that do not have appropriate approval signatures will not be considered.
* Type in name of person signing and their position/affiliation.
* Send electronic files of this proposal and accompanying catalog copy to [curriculum@ric.edu](mailto:curriculum@ric.edu) and a printed signature copy of this whole form to the current Chair of UCC. Check UCC website for due dates.

##### D.1. Approvals: required from programs/departments/deans who originate the proposal. may include multiple departments, e.g., for joint/interdisciplinary proposals.

| Name | Position/affiliation | [Signature](#_Signature" \o "Insert electronic signature, if available, in this column) | Date |
| --- | --- | --- | --- |
| Eric Hall | Program Director of Medical Imaging | e-mail confirmation to curriculum@ric.edu | 4/1/2020 |
| Eric Roberts | Chair of Biology | e-mail confirmation to curriculum@ric.edu | 4/1/2020 |
| Earl Simson | Dean of FAS | e-mail confirmation to curriculum@ric.edu | 4/6/2020 |

##### D.2. [Acknowledgements](#acknowledge): REQUIRED from OTHER PROGRAMS/DEPARTMENTS (and their relevant deans if not already included above) that are IMPACTED BY THE PROPOSAL. SIGNATURE DOES NOT INDICATE APPROVAL, ONLY AWARENESS THAT THE PROPOSAL IS BEING SUBMITTED. CONCERNS SHOULD BE BROUGHT TO THE UCC COMMITTEE MEETING FOR DISCUSSION; all faculty are welcome to attend.

| Name | Position/affiliation | [Signature](#Signature_2) | Date |
| --- | --- | --- | --- |
| Anthony Galves | Chair of Communication | e-mail confirmation to curriculum@ric.edu | 4/1/2020 |
|  |  |  |  |
|  |  |  | Tab to add rows |