

ACADEMIC RHODE MAP

BS in Medical Imaging, Magnetic Resonance Imaging



RHODE ISLAND COLLEGE



Lifespan
School of Medical Imaging
Delivering health with care.

GENERAL EDUCATION: A complete listing of General Education courses can be found at the Office of Academic Support (OASIS) 401 456-8083 or online at <http://www.ric.edu/recordsoffice/Pages/College-Catalog.aspx> look at catalog for year you enrolled. For Gen Ed courses, aside from Second Language requirement, which varies depending on where you are placed, you need ONE course from each category. Second Language 101/102 options are: American Sign, Arabic, French, German, Italian, Japanese, Korean, Latin, Portuguese, or Spanish. For other ways to satisfy the second language requirement look under the Gen Ed. section of the catalog. Any courses marked (F) offered Fall only; (Sp) Spring only. All courses marked with an asterisk * have a prerequisite. For information about Math Placement exam visit: <http://www.ric.edu/orientation/Pages/Math-Placement.aspx>

| Academic Major Checklist | Course | Academic Major Checklist | Course |
|--|--------|--|--------|
| BIOL 108 Basic Principles of Biology* | | MRI 309 Clinical Observation (Sp)* | |
| BIOL 231 Human Anatomy* | | MRI 310 Clinical Practice I (Su)* | |
| BIOL 335 Human Physiology* | | MRI 311 Cross Sectional Anatomy and Imaging Procedures I (Su)* | |
| CHEM 105 General, Organic and Biological Chemistry I (F, Su)* | | MRI 321 Physical Principles I (Su)* | |
| COMM 338 Communication for the Health Professional (F)* | | MRI 410 Clinical Practice II (F)* | |
| MATH 209 Precalculus Mathematics* | | MRI 411 Cross Sectional Anatomy and Imaging Procedures II (F)* | |
| PHYS 110 Introductory Physics* | | MRI 420 Clinical Practice III (Sp)* | |
| MEDI 201 Orientation to Medical Imaging* | | MRI 421 Physical Principles II (F)* | |
| MEDI 202 Introduction to Medical Imaging (F)* | | MRI 430 Registry Review (Sp)* | |
| MEDI 255 Patient Care Interventions for Allied Health (F)* | | MRI 455 MRI Pathology (Sp)* | |
| MRI 301 Introduction to Magnetic Resonance Imaging (Sp)* | | | |
| PLEASE NOTE THAT ENROLLMENT IN ANY MRI COURSE OR RADT or MEDI COURSE ABOVE THE 201 LEVEL REQUIRES FORMAL ADMISSION INTO THE MRI CLINICAL PROGRAM | | | |

This map is a semester-by-semester plan to help you toward graduation in four years, including one summer semester. Not everyone graduates in four years as it depends on how many courses you can take, how you do in those courses and when, or if, you are accepted into the clinical program. This map is not your only route; it is a suggestion. Many of the courses in this list have prerequisites that can only be fulfilled by following the suggested course sequence.

In the following tables, the column to the left suggests the ideal courses for you to take each semester. There are times when those courses may be full or unavailable the semester you plan to take them, in this case consider another course from a different semester with which you can switch. The column on the right has "Checkpoints" for each semester that show where you should be by the end of that semester. You should work from this map as you plan each semester's schedule with your advisor. You should plan to see your advisor in late September for the Spring Semester and in February for the Fall. The Map is designed primarily for freshmen coming to college for the first time, but transfer students may also use the Rhode Map with the understanding that they have most likely completed several requirements through transfer of credit, and will be starting further into the program. Maps assume a Fall start.

GRADUATION REQUIREMENTS: The following requirements must be completed by undergraduate degree candidates at Rhode Island College in order to graduate:

- General Education program, including a second language requirement and RIC 100 or its equivalent
- College Math Competency (which is separate from the Gen Ed math requirement)
- College Writing Competency (satisfied by FYW with a minimum grade of C)
- Academic Major—see check chart.
- A minimum of 120 credit hours, with a minimum of 45 credit hours taken at RIC. Of the 45 credit hours, a minimum of 15 credit hours must be in the major (12 of which must be at the 300- or 400-level).
- A minimum overall grade point average of 2.70
- A minimum grade of C in all required courses

Approved by Program Director: Eric Hall 11 May, 2016

Approved by Undergraduate Curriculum Committee: Date 5/29/2016

Revised: 6/1/2019

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| SEMESTER 1 | CR | SEMESTER 1 CHECKPOINTS ✓ |
|---|-----------|---|
| First Year Writing (FYW 100) or First Year Seminar (FYS 100). | 4 | <input type="checkbox"/> FYW 100P is a 6 credit option. To decide which FYW to take, see Directed Self-Placement test at www.ric.edu/firstyearwriting |
| RIC 100 Introduction to Rhode Island College | 1 | <input type="checkbox"/> Exempt if taking COLL 101, COLL 150, or HONR 150 |
| CHEM 105 General, Organic and Biological Chemistry I (F, Sul)* satisfies Gen Ed Natural Science (NS) Lecture and Lab. | 4 | <input type="checkbox"/> Math competency MUST be completed in order to take ALL science courses (or math placement exam). If not, will need to take MATH 010 this semester |
| BIOL 108 General Principles of Biology* | 4 | <input type="checkbox"/> Prereq. is Math competency; Minimum grade of C |
| Gen Ed--Second Lang 101 (based on placement, a course higher than 101/102 may be taken). If language requirement already satisfied: Any Gen Ed Distribution course. | 4 | <input type="checkbox"/> Language placement test with Dept. of Modern Languages (optional) <input type="checkbox"/> Complete Second Lang 101 (if needed) |
| Requirements and GPA | | <input type="checkbox"/> Aim for 16 earned credits (While 12 is fulltime, 16 credits are preferred to stay on track to graduate in 4 years) <input type="checkbox"/> Minimum 2.7 GPA |
| # CREDITS EARNED | 17 | <input type="checkbox"/> Make appointment with advisor in Sept. to discuss your schedule for next semester |

| SEMESTER 2 | CR | SEMESTER 2 CHECKPOINTS ✓ |
|--|-----------|---|
| FYW 100 or FYS 100 | 4 | <input type="checkbox"/> Complete FYS and FYW, for FYW, grade C or better |
| BIOL 231 Human Anatomy* | 4 | <input type="checkbox"/> Prereq. BIOL 108 with C or better |
| MATH 209 Precalculus Mathematics* | 4 | <input type="checkbox"/> Prereq. MATH 120, or placement exam; Gen Ed- Math completed |
| Gen Ed--Second Lang 102* (if needed), or any other needed Gen Ed | 4 | <input type="checkbox"/> Complete Second Language 102*, grade C or better (if needed) |
| Requirements and GPA | | <input type="checkbox"/> Aim for minimum of 32 earned credits <input type="checkbox"/> Minimum 2.7 GPA |
| # CREDITS EARNED | 16 | <input type="checkbox"/> Make appointment with advisor in Feb. to discuss your schedule for next semester |

| SEMESTER 3 | CR | SEMESTER 3 CHECKPOINTS ✓ |
|---|-----------|--|
| MEDI 201 Orientation to Medical Imaging* | 1 | <input type="checkbox"/> Prereqs are BIOL 231 and MATH 209 <input type="checkbox"/> Complete TEAS Exam |
| PHYS 110 Introductory Physics* | 4 | <input type="checkbox"/> Prereq. is MATH 120 or appropriate score on math placement exam |
| Gen Ed Distribution course from one of these GE categories: Arts (A); Literature (L); History (H), or Social and Behavioral Sciences (SB). | 4 | |
| Gen Ed Distribution course from one of these GE categories: Arts (A); Literature (L); History (H), or Social and Behavioral Sciences (SB), or elective | 3-4 | |
| Requirements and GPA | | <input type="checkbox"/> Maintain 2.7 minimum GPA |
| # CREDITS EARNED | 12-13 | <input type="checkbox"/> Make appointment with advisor in Sept. to discuss your schedule for next semester |

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| SEMESTER 4 | CR | SEMESTER 4 CHECKPOINTS ✓ |
|---|-----------|--|
| BIOL 335 Human Physiology (Gen Ed. AQSR)* | 4 | <input type="checkbox"/> Prereqs are BIOL 108 with grade of C or better, and BIOL 231 |
| Gen Ed Distribution course from one of these GE categories: Arts (A); Literature (L); History (H), or Social and Behavioral Sciences (SB). | 4 | |
| Gen Ed Distribution course from one of these GE categories: Arts (A); Literature (L); History (H), or Social and Behavioral Sciences (SB), or elective | 4 | |
| Requirements and GPA | | <input type="checkbox"/> Prior to applying for MRI clinical program, complete all pre-clinical required courses with a grade of C or better: MEDI 201, BIOL 108, BIOL 231, BIOL 335, CHEM 105, MATH 209, and PHYS 110 <input type="checkbox"/> Maintain 2.7 minimum GPA <input type="checkbox"/> If applying for a medical imaging clinical program, consult with your advisor, write your essay, and submit your application through MyRIC by May 15. |
| # CREDITS EARNED | 12 | <input type="checkbox"/> Make appointment with advisor in Feb. to discuss your schedule for next semester |

| SEMESTER 5 (Clinical Freshman Fall I) | CR | SEMESTER 5 CHECKPOINTS ✓ |
|--|--------------|---|
| MEDI 202 Introduction to Medical Imaging (F)* | 1.5 | <input type="checkbox"/> Prereq. MEDI 201 or RADT 201, and acceptance into a Medical Imaging clinical program |
| MEDI 255 Patient Care Interventions for Allied Health (F)* | 1.5 | <input type="checkbox"/> Prereq. MEDI 201 or RADT 201, and acceptance into a Medical Imaging clinical program |
| COMM 338 Communication for Health Professionals (F)* | 4 | <input type="checkbox"/> Prereq. MEDI 201 or RADT 201, 60 credits, and enrollment in Medical Imaging program |
| Choose 1 Connections course (Gen Ed-C)* | 4 | <input type="checkbox"/> Prereqs are 45 completed credits and FYW and FYS. |
| Elective or Gen Ed | 1-4 | |
| Requirements and GPA | | <input type="checkbox"/> Minimum grade of C in all required courses <input type="checkbox"/> All ten Gen Ed courses and second lang. req. completed <input type="checkbox"/> Minimum of 67 earned credits |
| # CREDITS EARNED | 12-15 | <input type="checkbox"/> Make appointment with advisor in Sept. to discuss your schedule for next semester |

| SEMESTER 6 (Clinical Freshman Spring I) | CR | SEMESTER 6 CHECKPOINTS ✓ |
|--|------------------|---|
| MRI 301 Introduction to Magnetic Resonance Imaging (Sp)* | 3 | <input type="checkbox"/> Prereq. MEDI 201 or RADT 201, and acceptance into a Medical Imaging clinical program |
| MRI 309 Clinical Observation (Sp)* | 3.5 | <input type="checkbox"/> Prereq. acceptance into the MRI clinical program |
| Elective or Gen Ed | 3-4 | |
| Elective | 3-4 | |
| Requirements and GPA | | <input type="checkbox"/> Minimum grade of C in all clinical courses |
| # CREDITS EARNED | 12.5-14.5 | <input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester |

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| SEMESTER 7 (Clinical Senior Summer I) | CR | SEMESTER 7 CHECKPOINTS ✓ |
|--|-----------|---|
| MRI 321 Physical Principles I (Su)* | 3 | <input type="checkbox"/> Prereq. MRI 301 |
| MRI 311 Cross Sectional Anatomy and Imaging Procedures I (Su)* | 3 | <input type="checkbox"/> Prereq. MRI 301 |
| MRI 310 Clinical Practice I (Su)* | 8 | <input type="checkbox"/> Prereq. MRI 301 |
| Requirements and GPA | | <input type="checkbox"/> Minimum grade of C in all clinical courses |
| # CREDITS EARNED | 14 | |

| SEMESTER 8 (Clinical Senior Fall II) | CR | SEMESTER 8 CHECKPOINTS ✓ |
|--|-----------|--|
| MRI 421 Physical Principles II (F)* | 3 | <input type="checkbox"/> Prereq. MRI 321 |
| MRI 411 Cross Sectional Anatomy and Imaging Procedures II (F)* | 3 | <input type="checkbox"/> Prereq. MRI 311 |
| MRI 410 Clinical Practice II (F)* | 8 | <input type="checkbox"/> Prereq. MRI 310 |
| Requirements and GPA | | <input type="checkbox"/> Minimum grade of C in all clinical courses <input type="checkbox"/> Apply for graduation |
| # CREDITS EARNED | 14 | |

| SEMESTER 9 (Clinical Senior Spring II) | CR | SEMESTER 9 CHECKPOINTS ✓ |
|---|------------------|---|
| MRI 455 MRI Pathology (Sp)* | 1.5 | <input type="checkbox"/> Prereq. MRI 410 |
| MRI 420 Clinical Practice III (Sp)* | 6 | <input type="checkbox"/> Prereq. MRI 410 |
| MRI 430 Registry Review (Sp)* | 3 | <input type="checkbox"/> Prereq. MRI 410 |
| Elective | 3-4 | <input type="checkbox"/> Need a minimum of 120 credits to graduate |
| Requirements and GPA | | <input type="checkbox"/> Minimum grade of C in all clinical courses |
| # CREDITS EARNED | 13.5-14.5 | <input type="checkbox"/> Attend Gradfest and Commencement |

For more information, check the BIOLOGY Department website:

<http://www.ric.edu/biology/Pages/Medical-Imaging.aspx>

The total credit count for the major is 77 credits, and 40 credits for General Education, with possibly 9 more depending on secondary language needs and RIC 100. However, 12 Gen Ed. credits for M, NS, and AQSR will double-count, that makes the minimum program total 105 credits, leaving room for 15 credits that may need to include secondary language courses and RIC 100, or can be electives.