

Academic Rhode Map for BS Medical Imaging Major at Rhode Island College with Concentration in Magnetic Resonance Imaging

- This Rhode Map is a suggested pathway to graduation in 9 semesters: four years with one summer semester requirement.
 - There are other valid pathways available to graduation - part time, summer/early spring classes, etc.
- The left column contains the suggested courses for each semester, the right column contains notes for the course and about progress towards graduation
- Some courses might not be offered during the semester shown on the map
 - In these cases, courses listed in future semesters can be substituted if their prerequisites have been satisfied
 - However, many of the courses in this list have prerequisites that can only be fulfilled by following the suggested course sequence
 - Your advisor can help you determine which courses can be used during your appointment each semester
- This Rhode Map is designed primarily with incoming freshmen in mind and assumes a Fall start
 - Transfer students can also use it as a guide, knowing that their transfer credits may have satisfied some requirements. Academic advisors are available to answer questions about how these will affect the program
 - Students starting in the spring may need to adjust based on class offerings and availability

GENERAL EDUCATION REQUIREMENTS CHECKLIST			
	FYW 100 – Taken in first year (Cannot be used as elective)	Distribution Courses - One from each category	Math (M) - Suggested in first year - Satisfied by MATH 209 or 240
	FYS 100 – Taken in first year (Cannot be used as elective)		Arts (A)
			History/Philosophy (HP)
			Literature/Language (LL)
	Connections – Taken after FYW & FYS		Natural Science (NS) – Satisfied by BIOL 201 and 202
			Social & Behavioral Sciences (SB)
			Elective(s) for 40 total Gen Ed credits (E) Satisfied by BIOL 203 and 204

Academic Major Checklist	Course	Academic Major Checklist	Course
BIOL 201 and BIOL 202 Anatomy and Physiology I (Lecture and Lab)		MEDI 463W Senior Seminar in Medical Imaging (Sp) (WID)	
BIOL 203 and BIOL 204 Anatomy and Physiology II (Lecture and Lab)		MRI 302 Foundations of Magnetic Resonance Imaging (Sp)	
CHEM 121 Chemistry Fundamentals for Healthcare		MRI 303 Procedures I (Sp)	
MATH 209 Precalculus Mathematics or MATH 240 Statistical Methods I		MRI 304 Physical Principles I (Sp)	
PHYS 110 Introductory Physics		MRI 305 Clinical Education I (Sp)	
MEDI 201 Orientation to Medical Imaging		MRI 306 Procedures II (Su)	
MEDI 203 Complete Introduction to Medical Imaging (F)		MRI 307 Clinical Education II (Su)	
MEDI 205 Medical Terminology in Medical Imaging (F)		MRI 431 Physical Principles II (F)	
MEDI 255 Patient Care in Medical Imaging (F)		MRI 432 Clinical Education III (F)	
MEDI 308 Professional Behavior in Medical Imaging (F)		MRI 433 Advanced Procedures in Magnetic Resonance Imaging (Sp)	
MEDI 309 Sectional Anatomy in Medical Imaging		MRI 434 MRI Registry Review (Sp)	
MEDI 410 Pathology of Medical Imaging (F)		MRI 435 Clinical Education IV (Sp)	
PLEASE NOTE THAT ENROLLMENT IN ANY MEDI COURSE ABOVE THE 201 LEVEL OR ANY MRI COURSE, REQUIRES FORMAL ADMISSION INTO THE MRI CLINICAL PROGRAM			

Graduation Requirements:

- **Completion of General Education Requirements** – See table above
- **Completion of Major Requirements** — See table above
- **RIC 100 or Equivalent** — Taken in first year
- **College Math Milestone** — Satisfied by placement exam or completion of MATH 010
- **College Writing Competency** — Satisfied by FYW 100 with a minimum grade of C
- **Minimum 120 Credit Hours** — At least 30 credits at RIC (of which 15 from major, including 12 at 300 or 400 level)
- **Minimum GPA** - 2.0 overall

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SEMESTER 1	CR	SEMESTER 1 NOTES
FYW 100 First Year Writing OR FYS 100 First Year Seminar	4	FYW Directed Self Placement exam
RIC 100 Introduction to Rhode Island College General Education Course (Any needed)	1 3-4	Exempt if taking COLL 101, COLL 150, or HONR 150
BIOL 201 and BIOL 202 Anatomy and Physiology I (Lecture and Lab) (NS)	4	BIOL 201 requires concurrent/previous completion of BIOL 202 Prereq = Math Milestone. Satisfied Gen Ed Natural Science (NS)
CHEM 121 Chem Fundamentals for Healthcare	4	Pre-reqs: Math competency Grade C or better
Requirements and GPA		<i>Aim for 16 earned credits (While 12 is fulltime, 16 credits are preferred to stay on track to graduate in 4 years). Minimum 2.70 GPA overall</i>
# CREDITS EARNED	16-17	<i>Make appointment with advisor in Oct. to discuss your schedule for next semester</i>

SEMESTER 2	CR	SEMESTER 2 NOTES
FYW 100 or FYS 100	4	Complete FYS and FYW, for FYW, grade C or better
BIOL 203 and BIOL 204 Anatomy and Physiology II (Lecture and Lab)	4	Prereq = BIOL 201 and BIOL 202 with a grade of C or better BIOL 203 requires concurrent or previous completion of BIOL 204. Satisfies GE Elective
MATH 209 Precalculus Mathematics OR MATH 240 Statistical Methods I	4	Prereq. MATH 209= MATH 120, or Math Placement Exam; Prereq. MATH 240 = Math Milestone or appropriate score on Mathematics Placement Exam Gen Ed- Math completed
General Education Course (Any needed)	3-4	
Requirements and GPA		<i>Aim for minimum of 30 earned credits. Minimum 2.70 GPA</i>
# CREDITS EARNED	15-16	<i>Make appointment with advisor in March to discuss your schedule for next semester</i>

SEMESTER 3	CR	SEMESTER 3 NOTES
MEDI 201 Orientation to Medical Imaging*	1	Prereqs are BIOL 231 and MATH 209. Complete TEAS Exam
PHYS 110 Introductory Physics*	4	Prereq. is MATH 120 or appropriate score on math placement exam
General Education Course (Any needed)	3-4	
General Education Course (Any needed)	3-4	
Requirements and GPA		<i>Maintain 2.7 minimum GPA overall Need minimum of 12 credits to be fulltime</i>
# CREDITS EARNED	12-13	<i>Make appointment with advisor in Oct. to discuss your schedule for next semester</i>

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SEMESTER 4	CR	SEMESTER 4 NOTES
Choose 1 Connections course (Gen Ed-C)	4	Prereqs = FYW and FYS.
General Education Course (Any needed), or elective	3-4	
General Education Course (Any needed), or elective	3-4	All Gen Ed courses completed.
Elective or any other course still needed	3-4	
Requirements and GPA		<i>Prior to applying for MRI clinical program, complete all pre-clinical required courses with a grade of C or better. Maintain 2.7 minimum GPA overall. If applying for a medical imaging clinical program, consult with your advisor, write your essay, and submit your application through MyRIC by mid-May</i>
# CREDITS EARNED	13-16	<i>Make appointment with advisor in March to discuss your schedule for next semester</i>

SEMESTER 5 (Clinical Freshman Fall I)	CR	SEMESTER 5 NOTES
MEDI 203 Complete Introduction to Medical Imaging (F)*	3	Prereq. acceptance into a Medical Imaging clinical program
MEDI 205 Medical Terminology in Medical Imaging (F)*	1	Prereq. acceptance into a Medical Imaging clinical program
MEDI 255 Patient Care in Medical Imaging Health (F)*	3	Prereq. acceptance into a Medical Imaging clinical program
MEDI 308 Professional Behavior in Medical Imaging (F)*	3	Prereq. acceptance into a Medical Imaging clinical program
MEDI 309 Sectional Anatomy in Medical Imaging*	3	Prereq. acceptance into a Medical Imaging clinical program (also offered in Sp)
Requirements and GPA		<i>Minimum grade of C in all required courses, with overall GPA of 2.70. Minimum of 60 earned credits. All Gen Ed courses completed</i>
# CREDITS EARNED	13	<i>Make appointment with advisor in Oct. to discuss your schedule for next semester</i>

SEMESTER 6 (Clinical Freshman Spring I)	CR	SEMESTER 6 NOTES
MRI 302 Foundations of Magnetic Resonance Imaging (Sp)*	3	Prereq. acceptance into a Medical Imaging clinical program
MRI 303 Procedures I (Sp)*	3	Prereq. acceptance into a Medical Imaging clinical program
MRI 304 Physical Principles I (Sp)*	4	Prereq. acceptance into a Medical Imaging clinical program
MRI 305 Clinical Education I (Sp)*	3	Prereq. acceptance into a Medical Imaging clinical program
Requirements and GPA		<i>Minimum grade of C in all clinical courses; minimum 2.70 GPA overall</i>
# CREDITS EARNED	13	<i>In March, make appointment with advisor to discuss your schedule for next semester</i>

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SEMESTER 7 (Clinical Senior Summer I)	CR	SEMESTER 7 NOTES
MRI 306 Procedures II (Su)*	3	Prereq. MRI 303
MRI 307 Clinical Education II (Su)*	5	Prereq. MRI 305
Requirements and GPA		<i>Minimum grade of C in all clinical courses; minimum 2.70 GPA overall</i>
# CREDITS EARNED	8	

SEMESTER 8 (Clinical Senior Fall II)	CR	SEMESTER 8 NOTES
MRI 431 Physical Principles II (F)*	4	Prereq. MRI 304
MRI 432 Clinical Education III (F)*	5	Prereq. MRI 307
MEDI 410 Pathology of Medical Imaging (F)*	3	Prereq. MEDI 309
Requirements and GPA		<i>Minimum grade of C in all clinical courses; minimum 2.70 GPA overall. Apply for graduation</i>
# CREDITS EARNED	12	<i>Make appointment with advisor in Oct. to discuss your schedule for next semester</i>

SEMESTER 9 (Clinical Senior Spring II)	CR	SEMESTER 9 NOTES
MRI 433 Advanced Procedures in Magnetic Resonance Imaging (Sp)*	3	Prereq. MRI 432
MRI 434 MRI Registry Review (Sp)*	6	Prereq. MRI 432
MRI 435 Clinical Education IV (Sp)*		Prereq. MRI 432
MEDI 463W Senior Seminar in Medical Imaging (Sp)* (WID)	3	Prereq. DMS 433 or MEDI 410
Requirements and GPA		<i>Minimum grade of C in all clinical courses, and 2.70 GPA overall. Need a minimum of 120 credits to graduate</i>
# CREDITS EARNED	12	<i>Attend Gradfest and Commencement</i>

The total credit count for the major is 80 credits, and 40 credits for General Education. However, 12 Gen. Ed. credits for M, NS and Elective can double count, so the program can be completed in 108 credits.

Approved by Program Director: Eric Hall

Date: 12/14/2024

Approved by Undergraduate Curriculum Committee

Date: 12/13/2024

Revised: