

Academic Rhode Map for BS Medical Imaging Major at Rhode Island College with Concentration in Nuclear Medicine Technology

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)		NMT 302 Foundations of Nuclear Medicine Technology (Sp)	
BIOL 203 and BIOL 204 Anatomy and Physiology II (Lecture and Lab)		NMT 303 Nuclear Medicine Procedures I (Sp)	
CHEM 121 Chemistry Fundamentals for Healthcare		NMT 304 Radiation Safety and Radiobiology (Sp)	
MATH 209 Precalculus Mathematics or MATH 240 Statistical Methods I		NMT 306 Nuclear Medicine Procedures II and Therapeutics (Su)	
PHYS 110 Introductory Physics		NMT 336 Clinical Education I (Sp)	
MEDI 201 Orientation to Medical Imaging		NMT 337 Clinical Education II (Su)	
MEDI 203 Complete Introduction to Medical Imaging (F)		NMT 433 Radiopharmaceuticals in Nuclear Medicine (F)	
MEDI 205 Medical Terminology in Medical Imaging (F)		NMT 434 Radiation Physics and Advanced Instrumentation (F)	
MEDI 255 Patient Care in Medical Imaging (F)		NMT 436 Clinical Education III (F)	
MEDI 308 Professional Behavior in Medical Imaging (F)		NMT 435 NMT Registry Review (Sp)	
MEDI 309 Sectional Anatomy in Medical Imaging		NMT 437 Clinical Education IV (Sp)	
MEDI 410 Pathology of Medical Imaging (F)		CTSC 300 Principles of Computed Tomography (Sp)	
MEDI 463W Senior Seminar in Medical Imaging (Sp) (WID)		CTSC 301 Physics and Radiation Protection (Sp)	
PLEASE NOTE THAT ENROLLMENT IN ANY MEDI COURSE ABOVE THE 201 LEVEL OR ANY NMT COURSE, REQUIRES FORMAL ADMISSION INTO THE NMT 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	1	Exempt if taking COLL 101, COLL 150, or HONR 150
CHEM 121 Chem Fundamentals for Healthcare	4	Pre-reqs: Math competency Grade C or better
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)
General Education Course (Any needed)	3-4	
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 32 earned credits; minimum 2.70 GPA overall</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 NMT clinical program, complete all pre-clinical required courses with a grade of C or better. Maintain 2.70 minimum GPA. 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	15-16	<i>Make appointment with advisor in Feb. 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, 2.70 GPA overall. Minimum of 67 earned credits</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
NMT 302 Foundations of Nuclear Medicine Technology (Sp)	3	Prereq. acceptance into a Medical Imaging clinical program
NMT 303 Nuclear Medicine Procedures I (Sp)	3	Prereq. acceptance into a Medical Imaging clinical program
NMT 304 Radiation Safety and Radiobiology (Sp)	3	Prereq. acceptance into a Medical Imaging clinical program
NMT 336 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 GPA 2.70 overall</i>
# CREDITS EARNED	12	<i>Make appointment with advisor in March to discuss your schedule for next semester</i>

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SEMESTER 7 (Clinical Senior Summer I)	CR	SEMESTER 7 NOTES
NMT 306 Nuclear Medicine Procedures II and Therapeutics (Su)	3	Prereq. NMT 303
NMT 337 Clinical Education II (Su)	5	Prereq. NMT 336
Requirements and GPA		<i>Minimum grade of C in all clinical courses; minimum GPA 2.70 overall</i>
# CREDITS EARNED	8	

SEMESTER 8 (Clinical Senior Fall II)	CR	SEMESTER 8 NOTES
NMT 433 Radiopharmaceuticals in Nuclear Medicine (F)	3	Prereq. NMT 306
NMT 434 Radiation Physics and Advanced Instrumentation (F)	3	Prereq. NMT 306
NMT 436 Clinical Education III (F)	5	Prereq. NMT 337
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	14	<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
NMT 435 NMT Registry Review (Sp)	3	Prereq. NMT 434
NMT 437 Clinical Education IV (Sp)	4	Prereq. NMT 436
CTSC 300 Principles of Computed Tomography	2	Prereq. acceptance into a medical imaging program
CTSC 301 Physics and Radiation Protection	2	Prereq. acceptance into a medical imaging program
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; minimum 2.70 GPA overall. Need a minimum of 120 credits to graduate</i>
# CREDITS EARNED	14	<i>Attend Gradfest and Commencement</i>

The total credit count for the major is 82 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 110 credits.

Approved by Program Director: Eric Hall

Date: 12/24/2024

Approved by Undergraduate Curriculum Committee

Date: 12/13/2024

Revised: