

ACADEMIC RHODEMAP

BS in Medical Imaging, Nuclear Medicine Technology



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 and Information Services (OASIS) 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, Latin, Portuguese, or Spanish. For other ways to satisfy the second language requirement look under the Gen Ed. section of the catalog. All courses marked with an asterisk * have a prerequisite. Courses marked (F) offered Fall only; (Sp) Spring; (Su) Summer (some with session number included).

Academic Major Checklist	Course	Academic Major Checklist	Course
BIOL 108 Basic Principles of Biology*		NMT 321 Diagnostic Nuclear Medicine Procedures I (Sp)*	
BIOL 231 Human Anatomy*		NMT 332 Clinical Diagnostic Procedures I (Su)*	
BIOL 335 Human Physiology*		NMT 325 Radiation Physics (Su)*	
CHEM 105 General, Organic and Biological Chemistry I (Sp, Su)*		NMT 402 Instrumentation (F)*	
COMM 338 Communication for the Health Professional (F)*		NMT 405 Radiopharmacy (Su)*	
MATH 209 Precalculus Mathematics*		NMT 421 Diagnostic Nuclear Medicine Procedures II (Su)*	
PHYS 110 Introductory Physics		NMT 425 Diagnostic Nuclear Medicine Procedures III (F)*	
MEDI 201 Orientation to Medical Imaging*		NMT 430 Registry Review (Sp)*	
MEDI 202 Introduction to Medical Imaging (F)*		NMT 431 Clinical Diagnostic Procedures II (F)*	
MEDI 255 Patient Care Interventions for Allied Health (F)*		NMT 432 Clinical Diagnostic Procedures III (Sp)*	
NMT 231 Clinical Observation (Sp)*		CTSC 300 Principles of Computed Tomography*	
NMT 301 Introduction to Nuclear Medicine Technology (Sp)*		CTSC 301 Physics and Radiation Protection*	
NMT 311 Radiation Safety and Radiation Physics (Sp)*		CTSC 407 Sectional Anatomy and Pathology*	
PLEASE NOTE THAT ENROLLMENT IN ANY NMT 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. 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 RhodeMap 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
- 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: 5/11/2016

Revised: 7/11/2018

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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
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. 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 is 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	16	<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 consent; Gen Ed- Math completed
Gen Ed--Second Lang 102* (if needed), or Gen Ed	3-4	<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	15-16	<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	
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. AQ/SR)	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	3-4	<input type="checkbox"/> All ten GE courses and second lang. req. completed
Requirements and GPA		<input type="checkbox"/> Prior to applying for NMT 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	15-16	<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"/> 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 ✓
NMT 231 Clinical Observation (Sp)*	3.5	<input type="checkbox"/> Prereq. MEDI 201 or RADT 201 and acceptance into the NMT program
NMT 301 Introduction to Nuclear Medicine Technology (Sp)*	3	<input type="checkbox"/> Prereq. MEDI 201 or RADT 201 and acceptance into the NMT program
NMT 311 Radiation Safety (Sp)*	1	<input type="checkbox"/> Prereq. MEDI 201 or RADT 201 and acceptance into the NMT program
NMT 321 Diagnostic Nuclear Medicine Procedures I (Sp)*	3	<input type="checkbox"/> Prereq. MEDI 201 or RADT 201 and acceptance into the NMT program
Elective or Gen Ed	2-4	
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 in Feb. to discuss your schedule for next semester



SEMESTER 7 (Clinical Senior Summer I)	CR	SEMESTER 7 CHECKPOINTS ✓
NMT 332 Clinical Diagnostic Procedures I (Su)*	8	<input type="checkbox"/> Prereq. RADT 201 and acceptance into the NMT program
NMT 325 Radiation Physics (Su)*	1	<input type="checkbox"/> Prereq. NMT 301
NMT 405 Radiopharmacy (Su)*	1	<input type="checkbox"/> Prereq. NMT 301
NMT 421 Diagnostic Nuclear Medicine Procedures II (Su)*	3	<input type="checkbox"/> Prereq. NMT 321
Requirements and GPA		<input type="checkbox"/> Minimum grade of C in all clinical courses
# CREDITS EARNED	13	

SEMESTER 8 (Clinical Senior Fall II)	CR	SEMESTER 8 CHECKPOINTS ✓
NMT 402 Instrumentation	1.5	<input type="checkbox"/> Prereq. NMT 311
NMT 425 Diagnostic Nuclear Medicine Procedures II (F)*	3	<input type="checkbox"/> Prereq. NMT 421
NMT 431 Clinical Diagnostic Procedures II (F)*	8	<input type="checkbox"/> Prereq. NMT 331
CTSC 407 Sectional Anatomy and Pathology*	2	<input type="checkbox"/> Prereq. acceptance into a medical imaging program
Requirements and GPA		<input type="checkbox"/> Minimum grade of C in all clinical courses <input type="checkbox"/> Apply for graduation
# CREDITS EARNED	14.5	<input type="checkbox"/> Make appointment with advisor in Sept. to discuss your schedule for next semester

SEMESTER 9 (Clinical Senior Spring II)	CR	SEMESTER 9 CHECKPOINTS ✓
NMT 430 Registry Review (Sp)*	2	<input type="checkbox"/> Prereq. NMT 311
NMT 432 Clinical Diagnostic Procedures III (Sp)	6	<input type="checkbox"/> Prereq. NMT 431
CTSC 300 Principles of Computed Tomography*	2	<input type="checkbox"/> Prereq. acceptance into a medical imaging program
CTSC 301 Physics and Radiation Protection*	2	<input type="checkbox"/> Prereq. acceptance into a medical imaging program
Electives (if needed)		<input type="checkbox"/> Minimum of 120 credits to graduate
Requirements and GPA		<input type="checkbox"/> Minimum grade of C in all clinical courses
# CREDITS EARNED	12	<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 82 credits, and 40 credits for General Education, with possibly 8 more depending on secondary language needs. However, 12 Gen Ed. credits for M, NS, and AQSR will double-count, that makes the minimum program total 110 credits, leaving room for 10 credits that may need to include secondary language courses, or can be electives.