

# Academic Rhode Map for BS Medical Imaging Major at Rhode Island College with Concentration in Diagnostic Medical Sonography

- 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

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

Academic Major Checklist--Cognates	Course	Academic Major Checklist	Course
BIOL 201 and BIOL 202 Anatomy and Physiology I (Lecture and Lab)		DMS 305 Foundations of Diagnostic Medical Sonography (F)	
BIOL 203 and BIOL 204 Anatomy and Physiology II (Lecture and Lab)		DMS 306 Sonographic Physics and Instrumentation (Sp)	
CHEM 121 Chemistry Fundamentals for Healthcare		DMS 308 Abdominal and Small Parts Sonography (Sp)	
MATH 209 Precalculus Mathematics or MATH 240 Statistical Methods I		DMS 309 Clinical Education I (Sp)	
PHYS 110 Introductory Physics		DMS 312 Sonographic Women’s Imaging (Su)	
MEDI 201 Orientation to Medical Imaging		DMS 313 Clinical Education II (Su)	
MEDI 203 Complete Introduction to Medical Imaging (F)		DMS 431 Obstetrical Sonography (F)	
MEDI 205 Medical Terminology in Medical Imaging (F)		DMS 432 Vascular Sonography (F)	
MEDI 255 Patient Care in Medical Imaging (F)		DMS 433 Clinical Education III (F)	
MEDI 308 Professional Behavior in Medical Imaging (F)		DMS 434 Advanced Procedures in Diagnostic Medical Sonography (Sp)	
MEDI 463W Senior Seminar in Medical Imaging (Sp) (WID)		DMS 435 Registry Review (Sp)	
		DMS 436 Clinical Education IV (Sp)	
<b>NOTE THAT ENROLLMENT IN ANY MEDI COURSE ABOVE THE 201 LEVEL or ANY DMS COURSE, REQUIRES FORMAL ADMISSION INTO THE DMS CLINICAL PROGRAM</b>			

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

<b>SEMESTER 2</b>	<b>CR</b>	<b>SEMESTER 2 NOTES</b>
FYW 100 or FYS 100	<b>4</b>	Complete FYS and FYW, for FYW, grade C or better
MATH 209 Precalculus Mathematics <b>OR</b> MATH 240 Statistical Methods I	<b>4</b>	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
BIOL 201 and BIOL 202 Anatomy and Physiology I (Lecture and Lab) (NS)	<b>4</b>	BIOL 201 requires concurrent/previous completion of BIOL 202 Prereq = Math Milestone. Satisfied Gen Ed Natural Science (NS)
General Education Course (Any needed)	<b>3-4</b>	
Requirements and GPA		<i>Aim for minimum of 32 earned credits. Minimum 2.70 GPA overall</i>
# CREDITS EARNED	<b>15-16</b>	<i>Make appointment with advisor in March. to discuss your schedule for next semester</i>

<b>SEMESTER 3</b>	<b>CR</b>	<b>SEMESTER 3 NOTES</b>
MEDI 201 Orientation to Medical Imaging	<b>1</b>	Prereqs are BIOL 231 and MATH 209. Complete TEAS Exam
PHYS 110 Introductory Physics	<b>4</b>	Prereq. is MATH 120 or appropriate score on Math Placement Exam
General Education Course (Any needed)	<b>3-4</b>	
General Education Course (Any needed)	<b>3-4</b>	
Requirements and GPA		<i>Minimum grade of C in all required courses, and 2.70 overall Need minimum of 12 credits to be fulltime</i>
# CREDITS EARNED	<b>12-13</b>	<i>Make appointment with advisor in Oct. to discuss your schedule for next semester</i>

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<b>SEMESTER 4</b>	<b>CR</b>	<b>SEMESTER 4 NOTES</b>
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 DMS clinical program, complete all pre-clinical required courses with a grade of C or better. Maintain 2.70 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	<b>13-16</b>	<i>Make appointment with advisor in March. to discuss your schedule for next semester</i>

<b>SEMESTER 5 (Clinical Freshman Fall I)</b>	<b>CR</b>	<b>SEMESTER 5 NOTES</b>
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
DMS 305 Introduction to Diagnostic Medical Sonography (F)	3	Prereq. acceptance into DMS program
Requirements and GPA		<i>Minimum grade of C in all required courses, and 2.70 overall. Minimum of 67 earned credits. All ten Gen Ed courses and second lang. req. completed</i>
# CREDITS EARNED	<b>13</b>	<i>Make appointment with advisor in Oct. to discuss your schedule for next semester</i>

<b>SEMESTER 6 (Clinical Freshman Spring I)</b>	<b>CR</b>	<b>SEMESTER 6 NOTES</b>
DMS 306 Sonographic Physics and Instrumentation (Sp)	4	Prereq. DMS 305
DMS 308 Abdominal and Small Parts Sonography (Sp)	5	Prereq. DMS 305
DMS 309 Clinical Education I (Sp)	3	Prereq. DMS 305
Requirements and GPA		<i>Minimum grade of C in all clinical courses, 2.70 GPA overall. Apply for degree audit online through MyRIC</i>
# CREDITS EARNED	<b>12</b>	<i>Make appointment with advisor in March. to discuss your schedule for next semester</i>

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<b>SEMESTER 7 (Clinical Senior Summer I)</b>	<b>CR</b>	<b>SEMESTER 7 NOTES</b>
DMS 312 Sonographic Women's Imaging (Su)	<b>4</b>	Prereq. DMS 305
DMS 313 Clinical Education II (Su)	<b>5</b>	Prereq. DMS 309
Requirements and GPA		Minimum grade of C in all clinical courses; GPA 2.70 overall
# CREDITS EARNED	<b>9</b>	

<b>SEMESTER 8 (Clinical Senior Fall II)</b>	<b>CR</b>	<b>SEMESTER 8 NOTES</b>
DMS 431 Obstetrical Sonography (F)	<b>4</b>	Prereq. DMS 313
DMS 432 Vascular Sonography (F)	<b>4</b>	Prereq. DMS 313
DMS 433 Clinical Education III (F)	<b>4</b>	Prereq. DMS 313
Requirements and GPA		<i>Minimum of 2.70 GPA overall and in the major. Minimum grade of C in all clinical courses. Apply for graduation</i>
# CREDITS EARNED	<b>12</b>	<i>Make appointment with advisor in Oct. to discuss your schedule for next semester</i>

<b>SEMESTER 9 (Clinical Senior Spring II)</b>	<b>CR</b>	<b>SEMESTER 9 NOTES</b>
DMS 434 Advanced Procedures in Diagnostic Medical Sonography (Sp)	<b>3</b>	Prereq. DMS 433
DMS 435 Registry Review (Sp)	<b>3</b>	Prereq. DMS 433
DMS 436 Clinical Education IV (Sp)	<b>4</b>	Prereq. DMS 433
MEDI 463W Senior Seminar in Medical Imaging (Sp) (WID)	<b>3</b>	Prereq. DMS 433 or MEDI 410
Requirements and GPA		<i>Need minimum of 120 earned credits, with minimum of 2.70 GPA overall. Minimum grade of C in all clinical courses</i>
# CREDITS EARNED	<b>13</b>	<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: