

## Medical Diagnostic Imaging Science (BS)

Recommended Four-Year Plan (Fall 2019)

This recommended four-year plan is designed to provide a blueprint for students to complete their degrees within four years. Students must meet with their Major Advisor to develop a more individualized plan to complete their degree. This plan assumes that no developmental courses are required. If developmental courses are needed, students may have additional requirements to fulfill which are not listed in the plan and may extend degree completion.

**NOTE:** This recommended Four-Year Plan is applicable to students admitted into the major during the 2019-2020 academic year.

<b>First Year</b>					
<b>Fall Semester</b>	<b>HRS</b>	<b>✓</b>	<b>Spring Semester</b>	<b>HRS</b>	<b>✓</b>
Gen Ed: INTD 101 - First Year Seminar	4		BIOL 113 - Fundamentals of Biology II *	4	
BIOL 111 - Fundamentals of Biology I (WI)	4		BIOL 113L – Fundamentals of Biology II Lab*	1	
BIOL 111L - Fundamentals of Biology I Lab	1		CHEM 117 - General Chemistry II	4	
CHEM 116 - General Chemistry I	4		CHEM 117L - General Chemistry II Lab	1	
CHEM 116L - General Chemistry I Lab	1		Gen Ed: MATH 110 - Precalculus or MATH 121 – Calculus**	4	
Gen Ed: CRWT 102 - Critical Reading & Writing II	4		Gen Ed: SOSC 110 - Social Science Inquiry**	4	
<b>Total:</b>	<b>18</b>		<b>Total:</b>	<b>18</b>	

<b>Second Year</b>					
<b>Fall Semester</b>	<b>HRS</b>	<b>✓</b>	<b>Spring Semester</b>	<b>HRS</b>	<b>✓</b>
BIOL 214 - Anatomy & Physiology I	4		BIOL 216 - Anatomy & Physiology II	4	
BIOL 214L - Anatomy & Physiology I Lab	1.5		BIOL 216L - Anatomy & Physiology II	1.5	
CHEM 206 - Essentials of Organic Chemistry *	4		BIOL 332 - Genetics (WI) *	4	
CHEM 206L - Essentials of Organic Chemistry Lab	1		BIOL 332L - Genetics Lab	1.5	
PSYC 242 - Statistics or ENSC 345 - Research Design and Statistics	4		Gen Ed: Historical Perspectives **	4	
Gen Ed: AIID 201 - Studies in Arts and Humanities	4				
<b>Total:</b>	<b>18.5</b>		<b>Total:</b>	<b>15</b>	

<b>Third Year</b>					
<b>Fall Semester</b>	<b>HRS</b>	<b>✓</b>	<b>Spring Semester</b>	<b>HRS</b>	<b>✓</b>
CHEM 425 - Biochemistry*	4		BIOL 407 - Cell & Molecular Biology* (WI)	4	
PHYS 101- Physics or PHYS 111 - Introductory Physics I & PHYS 116L or 118L- Introductory Physics lab	4 - 5		BIOL 407L - Cell & Molecular Biology Lab*	1.5	
Gen Ed: Distribution **	4		Gen Ed: Distribution **	4	
Gen Ed: Global Awareness **	4		General Elective: Elective	4	
			Major: Biology WI course***	4	
<b>Total:</b>	<b>16-17</b>		<b>Total:</b>	<b>17.5</b>	

**Total RCNJ Credits: 103.5 credits**

<b>Fourth Year</b>	
<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Rutgers</b>	

\* Students can choose Biochemistry or Cell & Molecular Biology or both  
If only one is taken, the student needs to select another Biology course for their elective.  
\*\* The sequence for the Gen. Ed. Courses is flexible and open to the student's discretion

**WI: Writing Intensive-3 required in the major**

**Total RCNJ Credits:** 103.5 credits

**GPA – 2.85**

\*These courses are offered in alternate years, which would require prior planning by student. Immunology in even years;  
Histology in odd years.

In case the course is offered in student's year 2, these courses should be taken then, and the Gen. Ed. course can be taken in year 3.

NOTE: Student's application to SHRP is due in the fall of year 3, to start the program after the spring. (Rutgers Program is > 15 months, beginning in the summer of year 3.)

Note: Three Writing Intensive courses are required in the major and/or school core. Consult with your advisor.