

## School of Theoretical and Applied Science

### Medical Diagnostic Imaging Science (BS)

Recommended Four-Year Plan (Fall 2018)

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 2018-2019 academic year.

| <b>First Year</b>                              |           |          |          |   |           |          |          |
|--|-----------|----------|----------|---|-----------|----------|----------|
| <b>Fall Semester</b>                           | <b>HR</b> | <b>S</b> | <b>✓</b> | <b>Spring Semester</b>  | <b>HR</b> | <b>S</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: SOSOC 110 – Social Science Inquiry                      | 4         |          |          |
|  |           |          |          | TAS Pathways Module 1: (SCIN-001)<br>Career Assessment/Advising |           |          |          |
| <b>Total:</b>                                  | 18        |          |          | <b>Total:</b>   | 18        |          |          |

| <b>Second Year</b>   |           |          |          |  |           |          |          |
|--|-----------|----------|----------|--|-----------|----------|----------|
| <b>Fall Semester</b>   | <b>HR</b> | <b>S</b> | <b>✓</b> | <b>Spring Semester</b>                                     | <b>HR</b> | <b>S</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 Lab                    | 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         |          |          | TAS Pathways Module 3: (SCIN-003)<br>Interview Preparation |           |          |          |
| TAS Pathways Module 2: (SCIN-002) Resume/CV Writing                |           |          |          |  |           |          |          |
| <b>Total:</b>  | 18.5      |          |          | <b>Total:</b>  | 15        |          |          |

| <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 for Non-Scientists or PHYS 111 - Introductory Physics I & 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          |          | Elective                                  | 4          |          |
|  |            |          | Biology WI course***                      | 4          |          |
| <b>Total:</b>  | 16-17      |          | <b>Total:</b>                             | 17.5       |          |

**Total RCNJ Credits: 103.5 credits**

|                      |                        |                        |
|----------------------|------------------------|------------------------|
| <b>Fourth Year</b>   |                        |                        |
| <b>Fall Semester</b> | <b>Spring Semester</b> | <b>Summer Semester</b> |
| <b>Rutgers – SHP</b> |                        |                        |

\* Students can choose Biochemistry or Cell & Molecular Biology or both. If only one is taken, the student needs to select another Biology 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**

**Minimum GPA – 2.85**