

**School of Theoretical and Applied Science**

**Medical Diagnostic Imaging Science (Rutgers Articulation)**

Recommended Four-Year Plan (Fall 2021)

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 2021-2022 academic year.

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| **First Year** | | | | | |
| **Fall Semester** | **HRS** | **✓** | **Spring Semester** | **HRS** | **✓** |
| **Gen Ed:** HNRS 101- Honors 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: Quantitative Reasoning - MATH 121 - Calculus | 4 |  |
| Gen Ed: CRWT 102 - Critical Reading & Writing II | 4 |  | **Gen Ed**: HNRS 110- Honors Social Science Inquiry | 4 |  |
|  |  |  | Career Pathways: PATH TS1 – Career Pathways Module 1 | **Degree Rqmt.** |  |
| **Total:** | 18 |  | **Total:** | 18 |  |

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| **Second Year** | | | | | |
| **Fall Semester** | **HRS** | **✓** | **Spring Semester** | **HRS** | **✓** |
| 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:** HNRS 201- Honors Studies in the Arts & Humanities | 4 |  | Career Pathways: PATH TS3 – Career Pathways Module 3 | **Degree  Rqmt.** |  |
| Career Pathways: PATH TS2 – Career Pathways Module 2 | **Degree  Rqmt.** |  |  |  |  |
| **Total:** | 18.5 |  | **Total:** | 15 |  |

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| **Third Year** | | | | | |
| **Fall Semester** | **HRS** | **✓** | **Spring Semester** | **HRS** | **✓** |
| CHEM 425 - Biochemistry\* | 4 |  | BIOL 407 - Cell & Molecular Biology\* (WI) | 4 |  |
| PHYS 101- Physics for Non-Scientists or PHYS 111 - Fundamentals of Physics I & PHYS 118L- Introductory Physics lab | 4 - 5 |  | BIOL 407L - Cell & Molecular Biology Lab | 1.5 |  |
| **Gen Ed:** HNRS 325 – Honors Values and Ethics Seminar | 4 |  | Gen Ed: Culture & Creativity, OR Systems Sustainability & Society | 4 |  |
| **Gen Ed**: HNRS 220 – Honors Global Awareness Seminar | 4 |  | HNRS 499 – Honors Independent Study (2 or 4 credit)\*\*\* | 4 |  |
|  |  |  | Biology WI Elective\* | 4 |  |
| **Total:** | 16-17 |  | **Total:** | 17.5 |  |

**Total RCNJ Credits:** 103.5 credits

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| --- | --- |
| **Fourth Year** | |
| **Fall Semester** | **Spring Semester** |
| **Rutgers** | |

\* 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

\*\*\*While we recommend students take the “Honors Independent Study” (HNRS 499) Fall of their senior year, they are free to take it anytime junior year, senior year, or summer between those two years.

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

**Total RCNJ Credits:** 103.5 credits **GPA – 2.85**

NOTE: Student’s application to RUTGERS SHP is due in mid January of year 3, to start the program after the Fall of the senior year. (Rutgers Program is > 15 months, beginning in the Fall of year 4.)

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