

**2026 Academic Planning Form: BIOLOGY B.S. & O.D.**

As of 5/18/2022

 7 Year Combined Degree Program - Biology B.S. & O.D.  
 Providence College (PC) & New England College of Optometry (NECO)

|   | Fall Semester   | # of Credits | Spring Semester   | # of Credits | Total Year Credits |
|---|---|--------------|---|--------------|--------------------|
| <b>1<sup>st</sup> Year</b>                                      | DWC 101 (4 credit hrs; Honors 5 credit hrs)               | 4            | DWC 102 (4 credit hrs; Honors 5 credits hrs)  | 4            |                    |
|   | <b>BIO 103 General Biology I</b>                          | 4            | <b>BIO 104 General Biology II</b>   | 4            |                    |
|   | <b>CHM 101 General Chemistry I (Natural Science Core)</b> | 4            | <b>CHM 102 General Chemistry II</b>   | 4            |                    |
|   | <b>MTH 109 Calculus I (Quantitative Reasoning Core)</b>   | 3            | <b>MTH 110 Calculus II</b>  | 3            |                    |
|   |   |              |   |              |                    |
|   |   | <b>15</b>    |   | <b>15</b>    | <b>30</b>          |
| <b>2<sup>nd</sup> Year</b>                                      | DWC 201 (4 credit hrs; Honors 5 credit hrs)               | 4            | DWC 202 (4 credit hrs; Honors 5 credits hrs)  | 4            |                    |
|   | <b>CHM 201 Organic Chemistry I</b>                        | 4            | <b>CHM 202 Organic Chemistry II</b>   | 4            |                    |
|   | BIO Elective w/ Lab                                       | 4            | <b>BIO 200 Int. Cell Bio &amp; Mol. Genetics (Intensive Writing II Proficiency)</b> | 3            |                    |
|   | EPS 101 General Physics I                                 | 4            | EPS 102 General Physics II  | 4            |                    |
|   | Core/Elective   | 3            | Core/Elective   | 3            |                    |
|   |   | <b>19</b>    |   | <b>18</b>    | <b>37</b>          |
| <b>3<sup>rd</sup> Year</b>                                      | BIO Elective w/ Lab (Microbiology)                        | 4            | BIO Elective w/ Lab   | 4            |                    |
|   | <b>CHM 309 - Biochem</b>                                  | 3            | <b>MTH 218 - Biostats</b>   | 3            |                    |
|   | Social Science (PSY 100)                                  | 3            | Core/Elective   | 3            |                    |
|   | Core/Elective   | 3            | Core/Elective   | 3            |                    |
|   | Core/Elective   | 3            | Core/Elective   | 3            |                    |
|   | <b>OAT - September Test Administration</b>                |              |   |              |                    |
|   |   | <b>16</b>    |   | <b>16</b>    | <b>32</b>          |
| <b>4<sup>th</sup> Year</b>                                      | BIO Electives (fulfilled by 1st year courses at NECO)     |              |   |              |                    |
| *Graduation Requirement includes a minimum of 120 credit hours* |   |              | Total Program of Study Credits  |              | 99                 |

**\*\*BIO BS Optometry Majors fulfill the Natural Science and Quantitative Reasoning Cores along with the Intensive Writing II Proficiency and the Concentration requirement, as indicated.**

**Providence College General Degree Requirements:** These will be completed during the first three years at Providence College. DWC is equivalent to 4 cr. English. The Writing I and II proficiency is equivalent to at least 2 credits of English. The Providence College core will thus satisfy the NECO admission requirement in English. The first year courses at the New England College of Optometry will be accepted as transfer credits to complete the remaining requirements for the Providence College degree. These must include sufficient credits to meet the 120 credit minimum. Up to three of the first year professional courses will fulfill the remaining B.S. degree requirements in Biology.

**Core requirements include a foundational component and satisfaction of all proficiencies.**

**Foundational Component:**

- DWC - 4 semester sequence, 16-20 cr.
- Theology (200 & 300 level) - 6 cr.
- Philosophy (1 Ethics) - 6 cr.
- Natural Science - 3 cr. (**CHM 101 or BIO 103**)\*\*
- Social Science - 3 cr. (**PSY 100**)
- Quantitative Reasoning - 3 cr. (**MTH 109 or higher**)\*\*
- Fine Arts - 3 cr.

**Proficiencies:**

- Intensive Writing - I
- Intensive Writing - II (**BIO 200**)\*\*
- Diversity
- Civic Engagement
- Oral Proficiency

**Major Requirements (BIO BS OP Courses):**

- P.C. B.S. Degree Requirements - in *Italics*
- NECO Admissions Requirements - in **Bold**