

## BSc Transfer from Forestry Resources Technology Diploma

BSc options – you need to complete at least one Major, or two Minors (a Double-Minor) from these science disciplines:

- |                    |                 |              |
|--------------------|-----------------|--------------|
| • Aquaculture      | • Biology       | • Chemistry  |
| • Computer Science | • Earth Science | • Geography  |
| • Geoscience       | • Mathematics   | • Psychology |

### High school prerequisites

- Common Math Requirement to all B.Sc. Major/Minors: **Min. “B” in Pre-calculus 12**
- Other prerequisites depend on the Major/Minor chosen.
  - Biology: Min. “C+” in each of Biology 11 or 12, Chemistry 12, and Physics 11 (Major only).
  - Geoscience: Min. “C+” in Chemistry 12.
    - Recommended: Min. “C+” in each of Biology 11 or 12, and Physics 11 (for EGBC).
  - Some seats are available for students with only min. “C+” in Chemistry 11.

### Degree requirements for some BSc transfers

- BSc Major in Biology
  - Requires completion of 23 courses in addition to the FRST diploma (see page 2).
- BSc Major in Geoscience
  - Requires completion of 25 courses in addition to the FRST diploma (see page 3).
- BSc Double-Minor in Biology & Geography
  - Requires completion of 18 courses in addition to the FRST diploma (see page 4).

### Eligibility for Professional Registration

- The VIU BSc Major in Biology meets the academic requirements for Registered Professional Biologist (RPBio) with the College of Applied Biologists of BC (with BIOL 457, RMOT 400, or RMOT 401).
- The VIU BSc Major in Geoscience meets the academic requirements for Professional Environmental Geoscientist or Geologist (P.Geo.) with Engineers and Geoscientists BC (EGBC), although additional course work is required (e.g., PHYS 111/112, additional GEOL courses).
- Other BSc options require completion of specific courses to meet requirements.

### Other Option

- Bachelor of Arts Double-Minor in Biology & Geography.
  - Does not require taking Calculus I and II.
  - Prerequisites: Min. “C+” in one of Biology 11 or 12, and Chemistry 11.
  - Requires completion of 16 courses in addition to the FRST diploma.

**Contact Info:** VIU BSc Degree Advisor, Eric Demers, [Eric.Demers@viu.ca](mailto:Eric.Demers@viu.ca)

### Useful websites

- VIU BSc Advising: <https://wordpress.viu.ca/bscadvising/>
- VIU BSc main calendar page: <https://www.viu.ca/programs/science-and-technology/bachelor-science-bsc-honours-majors-minors-and-transfer>
- VIU Adult Basic Education: <https://acp.viu.ca/abe-adult-basic-education>
- College of Applied Biologists of BC: <https://www.cab-bc.org/>
- Engineers and Geoscientists BC (EGBC): <https://www.egbc.ca/>

**Transfer from Forestry Resources Technology Diploma to BSc Major in Biology  
Program Grid**

**Note:** This program grid is provided for guidance only. Degree completion is based on courses completed successfully and is subject to all applicable requirements and procedures in effect. Students should consult the B.Sc. Degree Advisor to confirm program requirements for their chosen degree. Requirements highlighted in gray have been completed in the Forestry Resources Technology Diploma.

| Course Number                      | Course Name                                 | Credits      | Upper-Level Credits |
|------------------------------------|---------------------------------------------|--------------|---------------------|
| <del>English 1</del> (ENGL 115)    | <del>100-level English</del>                | <del>3</del> |                     |
| <del>English 2</del> (ENGL 204)    | <del>100-level English</del>                | <del>3</del> |                     |
| MATH 121                           | Calculus I                                  | 4            |                     |
| MATH 122                           | Calculus II                                 | 4            |                     |
| Non-Science 100-499                | Non-Science Elective I                      | 3            |                     |
| Non-Science 100-499                | Non-Science Elective II                     | 3            |                     |
| BIOL 121A and 121L                 | Introductory Zoology                        | 4            |                     |
| BIOL 123A and 123L                 | Intro. Cellular & Molecular Biology         | 4            |                     |
| CHEM 140A and 140L                 | Chemistry Fundamentals I                    | 4            |                     |
| CHEM 141A or 142A, and 142L        | Chemistry Fundamentals II                   | 4            |                     |
| PHYS 111                           | Physics for the Life Sciences I             | 4            |                     |
| PHYS 112                           | Physics for the Life Sciences II            | 4            |                     |
| BIOL 200                           | Introduction to Cell Biology                | 3            |                     |
| BIOL 201                           | Principles of Biochemistry I                | 3            |                     |
| <del>BIOL 202</del> (FRST 235)     | <del>Ecology</del>                          | <del>3</del> |                     |
| BIOL 210                           | Microbiology                                | 4            |                     |
| BIOL 212                           | Genetics                                    | 3            |                     |
| <del>BIOL 223</del> (FRST 131)     | <del>Botany</del>                           | <del>3</del> |                     |
| CHEM 231A and 231L                 | Organic Chemistry I                         | 4            |                     |
| CHEM 232A and 232L                 | Organic Chemistry II                        | 4            |                     |
| <del>MATH 203</del> (MATH 181)     | <del>Biometrics</del>                       | <del>3</del> |                     |
| BIOL 305                           | Animal Physiology                           | 3            | 3                   |
| BIOL 402                           | Evolution                                   | 3            | 3                   |
| BIOL 403                           | Current Topics in Biology                   | 3            | 3                   |
| BIOL 300-499                       | Upper-Level Biology Elective I              | 3            | 3                   |
| BIOL 300-499                       | Upper-Level Biology Elective II             | 3            | 3                   |
| BIOL 300-499                       | Upper-Level Biology Elective III            | 3            | 3                   |
| BIOL 300-499                       | Upper-Level Biology Elective IV             | 3            | 3                   |
| <del>BIOL 300-499</del> (FRST 328) | <del>Upper Level Biology Elective V</del>   | <del>3</del> | <del>3</del>        |
| <del>BIOL 300-499</del> (FRST 351) | <del>Upper Level Biology Elective VI</del>  | <del>3</del> | <del>3</del>        |
| <del>BIOL 300-499</del> (FRST 352) | <del>Upper Level Biology Elective VII</del> | <del>3</del> | <del>3</del>        |
| Elective 100-499                   | Upper Level Elective I                      | 3            |                     |
| Elective 100-499                   | Upper Level Elective II                     | 3            |                     |
| Elective 100-499                   | Upper Level Elective III                    | 3            |                     |
| Elective 100-499                   | Upper Level Elective IV                     | 3            |                     |
| Elective 100-499                   | General Elective V                          | 3            |                     |
| Elective 100-499                   | General Elective VI                         | 3            |                     |
| Elective 100-499                   | General Elective VII                        | 3            |                     |
| Elective 100-499                   | General Elective VIII                       | 3            |                     |
| TOTAL:                             |                                             | 128          | 30                  |

**Transfer from Forestry Resources Technology Diploma to BSc Major in Geoscience  
Program Grid**

**Note:** This program grid is provided for guidance only. Degree completion is based on courses completed successfully and is subject to all applicable requirements and procedures in effect. Students should consult the B.Sc. Degree Advisor to confirm program requirements for their chosen degree. Requirements highlighted in gray have been completed in the Forestry Resources Technology Diploma.

| Course Number               | Course Name                          | Credits | Upper-Level Credits |
|-----------------------------|--------------------------------------|---------|---------------------|
| English 1 (ENGL 115)        | 100-level English                    | 3       |                     |
| English 2 (ENGL 204)        | 100-level English                    | 3       |                     |
| MATH 121                    | Calculus I                           | 4       |                     |
| MATH 122                    | Calculus II                          | 4       |                     |
| Non-Science 100-499         | Non-Science Elective I               | 3       |                     |
| Non-Science 100-499         | Non-Science Elective II              | 3       |                     |
| CHEM 140A and 140L          | Chemistry Fundamentals I             | 4       |                     |
| CHEM 141A or 142A, and 142L | Chemistry Fundamentals II            | 4       |                     |
| GEOG 101                    | Environmental Geography              | 3       |                     |
| GEOL 111                    | Discovering Planet Earth             | 4       |                     |
| GEOL 112                    | Understanding Earth's History        | 4       |                     |
| GEOL 115                    | Lab & Field Studies in Earth Science | 3       |                     |
| GEOG 211                    | Atmospheric Environments             | 3       |                     |
| GEOG 212                    | Earth Environments                   | 3       |                     |
| GEOG 228 (FRST 121)         | Spatial Analysis                     | 3       |                     |
| GEOL 200                    | Mineralogy and Petrology             | 3       |                     |
| GEOL 201                    | Sedimentology and Stratigraphy       | 3       |                     |
| GEOL 202                    | Earth Structures                     | 3       |                     |
| GEOL 206                    | Field Geology and Geol. Mapping      | 3       |                     |
| MATH 211 or 254 (MATH 181)  | Statistics I                         | 3       |                     |
| GEOG 328 (FRST 328)         | Geographic Information Systems       | 3       | 3                   |
| GEOL 300                    | Igneous and Metamorphic Petrology    | 3       | 3                   |
| GEOL 300-499                | Upper-Level Geology Elective I       | 3       | 3                   |
| GEOL 300-499                | Upper-Level Geology Elective II      | 3       | 3                   |
| GEOL 300-499                | Upper-Level Geology Elective III     | 3       | 3                   |
| GEOG 300-499                | Upper-Level Geography Elective I     | 3       | 3                   |
| GEOG 300-499                | Upper-Level Geography Elective II    | 3       | 3                   |
| GEOG 300-499                | Upper-Level Geography Elective III   | 3       | 3                   |
| GEOL or GEOG 300-499        | Upper-Level Geoscience Elective I    | 3       | 3                   |
| GEOL or GEOG 300-499        | Upper-Level Geoscience Elective II   | 3       | 3                   |
| Elective 100-499            | General Elective I                   | 3       |                     |
| Elective 100-499            | General Elective II                  | 3       |                     |
| Elective 100-499            | General Elective III                 | 3       |                     |
| Elective 100-499            | General Elective IV                  | 3       |                     |
| Elective 100-499            | General Elective V                   | 3       |                     |
| Elective 100-499            | General Elective VI                  | 3       |                     |
| Elective 100-499            | General Elective VII                 | 3       |                     |
| Elective 100-499            | General Elective VIII                | 3       |                     |
| Elective 100-499            | General Elective IX                  | 3       |                     |
| Elective 100-499            | General Elective X                   | 3       |                     |
| TOTAL:                      |                                      | 126     | 30                  |

**Transfer from Forestry Resources Technology Diploma to BSc Double-Minor in Biology and Geography  
Program Grid**

**Note:** This program grid is provided for guidance only. Degree completion is based on courses completed successfully and is subject to all applicable requirements and procedures in effect. Students should consult the B.Sc. Degree Advisor to confirm program requirements for their chosen degree. Requirements highlighted in gray have been completed in the Forestry Resources Technology Diploma.

| Course Number                              | Course Name                               | Credits      | Upper-Level Credits |
|--------------------------------------------|-------------------------------------------|--------------|---------------------|
| <del>English 1 (ENGL 115)</del>            | <del>100-level English</del>              | <del>3</del> |                     |
| <del>English 2 (ENGL 204)</del>            | <del>100-level English</del>              | <del>3</del> |                     |
| MATH 121                                   | Calculus I                                | 4            |                     |
| MATH 122                                   | Calculus II                               | 4            |                     |
| Science 100-299                            | Lower-Level Science Elective              | 3            |                     |
| Non-Science 100-499                        | Non-Science Elective I                    | 3            |                     |
| Non-Science 100-499                        | Non-Science Elective II                   | 3            |                     |
| BIOL 121A and 121L                         | Introductory Zoology                      | 4            |                     |
| BIOL 123A and 123L                         | Intro. Cellular & Molecular Biology       | 4            |                     |
| <del>BIOL 202 (FRST 235)</del>             | <del>200-Level Biology Option I</del>     | <del>3</del> |                     |
| <del>BIOL 223 (FRST 131)</del>             | <del>200-Level Biology Option II</del>    | <del>3</del> |                     |
| BIOL 200, 210, or 212                      | 200-Level Biology Elective                | 3            |                     |
| <del>BIOL 300-499 (FRST 351)</del>         | <del>Upper-Level Biology Elective I</del> | <del>3</del> | <del>3</del>        |
| BIOL 300-499                               | Upper-Level Biology Elective II           | 3            | 3                   |
| BIOL 300-499                               | Upper-Level Biology Elective III          | 3            | 3                   |
| BIOL 300-499                               | Upper-Level Biology Elective IV           | 3            | 3                   |
| GEOG 101                                   | Environmental Geography                   | 3            |                     |
| GEOG 211                                   | Atmospheric Environments                  | 3            |                     |
| GEOG 212                                   | Earth Environments                        | 3            |                     |
| <del>GEOG 228 (FRST 121)</del>             | <del>200-Level Geography Option</del>     | <del>3</del> |                     |
| <del>MATH 203, 211 or 254 (MATH 181)</del> | <del>Biometrics or Statistics I</del>     | <del>3</del> |                     |
| <del>GEOG 328 (FRST 328)</del>             | <del>Geographic Information Systems</del> | <del>3</del> | <del>3</del>        |
| GEOG 372, 373, 374 or 376                  | Upper-Level Geography Option I            | 3            | 3                   |
| GEOG 372, 373, 374 or 376                  | Upper-Level Geography Option II           | 3            | 3                   |
| GEOG 300-499                               | Upper-Level Geography Elective            | 3            | 3                   |
| <del>Elective 300-499 (FRST 352)</del>     | <del>Upper-Level Elective I</del>         | <del>3</del> | <del>3</del>        |
| Elective 300-499                           | Upper-Level Elective II                   | 3            | 3                   |
| <del>Elective 100-499</del>                | <del>General Elective I</del>             | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective II</del>            | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective III</del>           | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective IV</del>            | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective V</del>             | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective VI</del>            | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective VII</del>           | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective VIII</del>          | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective IX</del>            | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective X</del>             | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective XI</del>            | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective XII</del>           | <del>3</del> |                     |
| <del>Elective 100-499</del>                | <del>General Elective XIII</del>          | <del>3</del> |                     |
|                                            | TOTAL:                                    | 124          | 30                  |