BSc Transfer from Fisheries & Aquaculture 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.
    - Aquaculture: Min. "C+" in each of Biology 11 or 12, and Chemistry 12.
    - Biology: Min. "C+" in each of Biology 11 or 12, Chemistry 12, and Physics 11 (Major only).
    - Chemistry: Min. "C+" in each of Chemistry 12, and Physics 11 (Major only).
    - 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 30 courses in addition to F&A diploma (see page 2).
- BSc Double-Minor in Aquaculture & Biology
    - Requires completion of 23 courses in addition to F&A diploma (see page 3).
- BSc Double-Minor in Aquaculture & Chemistry
    - Requires completion of 24 courses in addition to F&A diploma (see page 4).

Eligibility for Registered Professional Biologist (RPBio) with the College of Applied Biologists of BC

- The VIU BSc Major in Biology meets the RPBio academic requirements (with FISH 223).
- Other BSc options require completion of specific courses to meet requirements.

Other Option

- Bachelor of Arts Double-Minor in Aquaculture & Biology.
    - Does not require taking Calculus I and II.
    - Min. "C+" in each of Biology 11 or 12, Chemistry 12, and Pre-calculus 12.
    - Requires completion of 21 courses in addition to F&A diploma.

Contact Info: VIU BSc Degree Advisor, Eric Demers, 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/

Transfer from Fisheries & Aquaculture 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 Fisheries & Aquaculture Diploma.

Course Number	Course Name	Credits	Upper-Level Credits
~~English 1~~	~~100-level English~~	~~3~~	
English 2	100-level English	3	
MATH 121	Calculus I	3	
MATH 122	Calculus II	3	
Non-Science 100-499	Non-Science Elective I	3	
Non-Science 100-499	Non-Science Elective II	3	
~~BIOL 121~~	~~Introductory Zoology~~	~~4~~	
BIOL 123	Intro. Cellular & Molecular Biology	4	
CHEM 140	Chemistry Fundamentals I	4	
CHEM 141 or 142	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	
~~BIOL 202 (Exempt)~~	~~Ecology~~	~~3~~	
BIOL 210	Microbiology I	3	
BIOL 212	Genetics	3	
~~BIOL 223 (FISH 133)~~	~~Botany~~	~~3~~	
CHEM 231	Organic Chemistry I	3	
CHEM 232	Organic Chemistry II	3	
~~MATH 203 (MATH 181)~~	~~Biometrics~~	~~3~~	
BIOL 305	Animal Physiology	3	3
BIOL 402	Evolution	3	3
BIOL 403	Current Topics in Biology	3	3
BIOL 300-499 Option	Specialization Course I	3	3
BIOL 300-499 Option	Specialization Course II	3	3
BIOL 300-499 Option	Specialization Course III	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
Elective 300-499	Upper-Level Elective I	3	3
Elective 300-499	Upper-Level Elective II	3	3
Elective 300-499	Upper-Level Elective III	3	3
Elective 300-499	Upper-Level Elective IV	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~~	
	TOTAL:	126	42

Transfer from Fisheries & Aquaculture Diploma to BSc Double-Minor in Aquaculture and 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 Fisheries & Aquaculture Diploma.

Course Number	Course Name	Credits	Upper-Level Credits
~~English 1~~	~~100-level English~~	~~3~~	
English 2	100-level English	3	
MATH 121	Calculus I	3	
MATH 122	Calculus II	3	
~~BIOL 121~~	~~Introductory Zoology~~	~~4~~	
BIOL 123	Intro. to Cellular and Molecular Biology	4	
CHEM 140	Chemistry Fundamentals I	4	
CHEM 141 or 142	Chemistry Fundamentals II	4	
~~AQUA 101~~	~~Introduction to Aquaculture~~	~~3~~	
CHEM 212	Environmental Chemical Analysis	3	
~~MATH 203 or 211 (MATH 181)~~	~~Biometrics or Statistics I~~	~~3~~	
AQUA 323	Invertebrate Aquaculture	3	3
AQUA 328	Methods and Techniques of Finfish Culture	3	3
AQUA 332	Finfish, Shellfish and Crustacean Nutrition	3	3
AQUA 342	Finfish, Shellfish and Crustacean Health	3	3
AQUA 375	Recirculating Aquaculture Systems (RAS)	3	3
GEOG 356	Policy, Resources and Sustainability	3	3
MGMT 381	Entre/Intrapreneurship	3	3
BIOL 201	Principles of Biochemistry	3	
~~BIOL 202 (Exempt)~~	~~200-Level Biology Elective I~~	~~3~~	
~~BIOL 223 (FISH 133)~~	~~200-Level Biology Elective II~~	~~3~~	
CHEM 231	Organic Chemistry I	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
BIOL 300-499	Upper-Level Biology Elective V	3	3
BIOL 300-499	Upper-Level Biology Elective VI	3	3
Elective 300-499	Upper-Level Elective	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~~	
~~Elective 100-499~~	~~General Elective XI~~	~~3~~	
	TOTAL:	126	42

Transfer from Fisheries & Aquaculture Diploma to BSc BSc Double-Minor in Aquaculture and Chemistry 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 Fisheries & Aquaculture Diploma.

Course Number	Course Name	Credits	Upper-Level Credits
~~English 1~~	~~100-level English~~	~~3~~	
English 2	100-level English	3	
MATH 121	Calculus I	3	
MATH 122	Calculus II	3	
~~BIOL 121~~	~~Introductory Zoology~~	~~4~~	
BIOL 123	Intro. Cellular & Molecular Biology	4	
CHEM 140	Chemistry Fundamentals I	4	
CHEM 141 or 142	Chemistry Fundamentals II	4	
~~MATH 203 or 211 (MATH 181)~~	~~Biometrics or Statistics I~~	~~3~~	
~~AQUA 101~~	~~Introduction to Aquaculture~~	~~3~~	
AQUA 323	Invertebrate Aquaculture	3	3
AQUA 328	Methods and Techniques of Finfish Culture	3	3
AQUA 332	Finfish, Shellfish and Crustacean Nutrition	3	3
AQUA 342	Finfish, Shellfish and Crustacean Health	3	3
AQUA 375	Recirculating Aquaculture Systems (RAS)	3	3
GEOG 356	Policy, Resources and Sustainability	3	3
MGMT 381	Entre/Intrapreneurship	3	3
CHEM 212	Environmental Chemical Analysis	3	
CHEM 200-299	200-Level Chemistry Elective II	3	
CHEM 200-299	200-Level Chemistry Elective III	3	
CHEM 200-299	200-Level Chemistry Elective IV	3	
CHEM 300-499	Upper-Level Chemistry Elective I	3	3
CHEM 300-499	Upper-Level Chemistry Elective II	3	3
CHEM 300-499	Upper-Level Chemistry Elective III	3	3
CHEM 300-499	Upper-Level Chemistry Elective IV	3	3
CHEM 300-499	Upper-Level Chemistry Elective V	3	3
CHEM 300-499	Upper-Level Chemistry Elective VI	3	3
Elective 300-499	Upper-Level Elective I	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~~	
~~Elective 100-499~~	~~General Elective XI~~	~~3~~	
~~Elective 100-499~~	~~General Elective XII~~	~~3~~	
	TOTAL:	126	42