



VANCOUVER ISLAND  
UNIVERSITY

Bachelor of Science, Minor in Biology, Minor in Mathematics  
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.

Course Number	Course Name	Credits	Upper-Level Credits	Notes
English 1	100-level English	3		1
English 2	100-level English	3		1
MATH 121	Calculus I	4		
MATH 122	Calculus II	4		
Science 100-299	Lower-Level Science Elective I	3		2
Science 100-299	Lower-Level Science Elective II	3		2
Non-Science 100-499	Non-Science Elective I	3		3
Non-Science 100-499	Non-Science Elective II	3		3
BIOL 121A and 121L	Introductory Zoology	4		
BIOL 123A and 123L	Intro. Cellular & Molecular Biology	4		
BIOL 200-299	200-Level Biology Elective I	3		4
BIOL 200-299	200-Level Biology Elective II	3		4
BIOL 200-299	200-Level Biology Elective III	3		4
BIOL 300-499	Upper-Level Biology Elective I	3	3	5
BIOL 300-499	Upper-Level Biology Elective II	3	3	5
BIOL 300-499	Upper-Level Biology Elective III	3	3	5
BIOL 300-499	Upper-Level Biology Elective IV	3	3	5
MATH 123	Logic and Foundations	3		
MATH 221	Calculus III	3		
MATH 223	Discrete and Combinatorial Mathematics	3		
MATH 241	Linear Algebra	3		
MATH 211 or 254	Statistics I	3		
MATH 300-499	Upper-Level Mathematics Elective I	3	3	6
MATH 300-499	Upper-Level Mathematics Elective II	3	3	6
MATH 300-499	Upper-Level Mathematics Elective III	3	3	6
MATH 300-499	Upper-Level Mathematics Elective IV	3	3	6
Elective 300-499	Upper-Level Elective I	3	3	7
Elective 300-499	Upper-Level Elective II	3	3	7
Elective 100-499	General Elective I	3		8
Elective 100-499	General Elective II	3		8
Elective 100-499	General Elective III	3		8
Elective 100-499	General Elective IV	3		8
Elective 100-499	General Elective V	3		8
Elective 100-499	General Elective VI	3		8
Elective 100-499	General Elective VII	3		8
Elective 100-499	General Elective VIII	3		8
Elective 100-499	General Elective IX	3		8
Elective 100-499	General Elective X	3		8
Elective 100-499	General Elective XI	3		8
Elective 100-499	General Elective XII	3		8
<b>TOTAL:</b>		<b>124</b>	<b>30</b>	

See notes on the next page /...

## NOTES:

1. The Degree English Requirement can be met as follows:
  - Two of ENGL 115 (or 117), 125 (or 127), 135, 204, or an INTR course that includes a ENGL course exemption; or,
  - LBST 111 and 112.
2. Lower-Level Science Elective can be a course numbered 100-299 in any science discipline, except BIOL and GEOL courses. This course is required to satisfy the Lower-Level Sciences Requirement of the Bachelor of Science degree. Options of science disciplines include:
  - AQUA, ASTR, CHEM, CSCI, ENGC, ENGE, ENGM, ENGR, FISH, FRST, MATH, PHYS, and RMOT.
3. Non-Science Electives can be any courses outside of the Science discipline numbered 100-499. The following courses may not be counted to meet this requirement, although they may be counted as general electives:
  - Any course beginning with the following discipline identifiers: AQUA, ASTR, BIOL, CHEM, CSCI, ENGC, ENGE, ENGM, ENGR, FISH, FRST, GEOL, MATH, PHYS, RMOT, QUME, and SCIE.
  - Anthropology: ANTH 111, 213, 214, 341B, 342, 343, 344, 350, 351, 352, 353, 361, 401, 430, 449, 460.
  - Geography: GEOG 211, 212, 221, 226, 228, 326, 328, 372, 373, 374, 376, 426, 428.
  - Psychology: PSYC 204, 205, 300A, 300B, 301, 302, 305, 315, 316, 318, 319, 323, 324, 345, 365, 400, 415, 419, 445, 490, 491, 498A.
  - Kinesiology: KIN 201, 220, 301, 302, 400, 401.
4. The 200-Level Biology Electives can be chosen from BIOL 200, 201, 202, 210, 212 or 223.
  - Note: Students should check upper-level course prerequisites to guide selection of the 200-Level Biology Electives.
5. Upper-Level Biology Electives can be any BIOL course numbered 300-499.
  - Up to 4 credits from following courses may be counted towards this requirement: FISH 322, FISH 324, FRST 328, FRST 351, FRST 352, GEOG 328, GEOG 373, RMOT 306, RMOT 357, RMOT 400, and RMOT 401.
6. Upper-Level Mathematics Electives can be any MATH courses numbered 300-499.
7. Upper-Level Electives can be courses in any discipline numbered 300-499.
8. General Electives can be courses in any discipline numbered 100-499.