VANCOUVER ISLAND UNIVERSITY

Bachelor of Science, Major in Biology, Major in Psychology
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	3		
MATH 122	Calculus II	3		
BIOL 121	Introductory Zoology	4		
BIOL 123	Intro Cell. / Molec. 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	3		
BIOL 202	Ecology	3		
BIOL 210	Microbiology I	3		
BIOL 212	Genetics	3		
BIOL 223	Botany	3		
CHEM 231	Organic Chemistry I	3		
CHEM 232	Organic Chemistry II	3		
MATH 211 or PSYC 300A	Statistics Course I	3	(3)	2
MATH 203 or PSYC 300B	Statistics Course II	3	(3)	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	4
BIOL 300-499 Option	Specialization Course II	3	3	4
BIOL 300-499 Option	Specialization Course III	3	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
PSYC 111	Contemporary Psychology I	3		6
PSYC 112	Contemporary Psychology II	3		6
PSYC 204	Research Methods	3		
PSYC 205	Introduction to Biopsychology I	3		
PSYC 305	Introduction to Biopsychology II	3	3	
PSYC 315	Intro to Neuropsychology I	3	3	
PSYC 323	Experimental Neuroscience	3	3	
PSYC 345 or 445	Drugs Behaviour or Neuropharmacology	3	3	
PSYC 300-499	Upper-Level B.Sc. Psyc. Option I	3	3	7
PSYC 300-499	Upper-Level B.Sc. Psyc. Option II	3	3	7
PSYC 300-499	Upper-Level B.Sc. Psyc. Option III	3	3	7
PSYC 300-499	Upper-Level B.Sc. Psyc. Option IV	3	3	7
	TOTAL:	132	54	

See notes on the next page /…

NOTES:

1. The Degree English Requirement can be met as follows:
    - ENGL 115 and one of ENGL 111, 112, 116, 125, 135 or 225;
    - ENGL 111 and 112;
    - ENGL 125 and 135; or,
    - LBST 111 and 112.

2. Either MATH 211 or PSYC 300A can be used to meet the 1st statistics course requirement for both majors. Only one of MATH 211 or PSYC 300A may be taken for credit towards the B.Sc. degree.

3. Either MATH 203 or PSYC 300B can be used to meet the 2nd statistics course requirement for both majors.

4. The Biological Specialization consists of 9 credits (3 courses) chosen from <u>one</u> of the following options:

    - Microbial Biology: BIOL 332, 334, 336, 337, 432 or 436.
    - Molecular and Cellular Biology: BIOL 341, 342, 435, 443, 445 or 465.
    - Aquatic and Terrestrial Ecology: BIOL 310, 315, 320, 322, 351 or 360.

5. Upper-Level Biology Electives can be any BIOL course numbered 300-499.

    - Students have the option to complete a research project in their final year: BIOL 490 (3 credits) or 491 (6 credits).
    - Students interested in taking BIOL 490 or 491 should consult the Chair of the Biology Department.

6. PSYC 111 and PSYC 112 can be used to meet the Non-Science Elective Requirement for the Bachelor of Science.

7. Upper-Level B.Sc. Psychology Option must be chosen from the following B.Sc. Psychology courses: PSYC 307, 313, 318, 324, 326, 345, 365, 400, 415, 419, 445 or 498A.

    1. Students interested in a graduate program should consider completing a Directed Studies courses (PSYC 301, 302, 390, 391) and/or Senior Research Project (PSYC 490, 491) as part of their upper-level electives.
    2. Details of the special registration process for the above courses may be obtained from the Department Chair.