

**ASSOCIATE OF SCIENCE CHECK LIST - BIOLOGY**

KWANTLEN	UBC	SFU	UVIC	UNBC
2 courses ENGL 1100 level or higher	X	X	X	X
MATH 1130 (or 1120)	X	X	X	X
MATH 1230 (or 1220)	X	X	X	X
BIOL 1110	X	X	X	X
BIOL 1210	X	X	X	X
CHEM 1110	X	X	X	X
CHEM 1210	X	X	X	X
PHYS 1101 (or 1120*)	X	X	X	X
PHYS 1220	(note 1)	X	X	X
BIOL 2320	(note 2)	X	X	X
BIOL 2321	X	X	X	X
BIOL 2322	(note 2)	(note 5)	X	X
BIOL 2330				
BIOL 2421	X	(note 5)	X	X
CHEM 2320	X	X	X	X
CHEM 2420	X	X	X	X
CHEM 2310	(note 2)	(note 11)	(note 12)	
CHEM 2315	(note 2)	(note 11)		
CHEM 2311			(note 12)	(note 13)
ENVI 2305		(note 5)		
GEOG 1110				X
GEOG 1120				X
GEOG 2320				X
MATH 2321	(note 3)			
MATH 2335		(note 5, 6)	X	
Any 2 Arts (of at least 3 credits each)	X	(note 7)	X	(note 10)
Any 2 of anything (of at least 3 credits each)	(note 4)	(note 8)	(note 9)	(note 10)

Note 1: UBC requires PHYS 1101 (only), plus one other first year science chosen from: GEOG 1110, 1210; GEOL 1210; or PHYS 1220.

Note 2: For UBC, BIOL 2320 and BIOL 2322 can be used to fulfill 3rd Year requirements in Conservation Biology, Animal Biology, Cell Biology and Genetics, Plant Biology and Marine Biology. Credit will be assigned at the 2nd Year level for transfer purposes, but missing 2nd Year UBC requirements will need to be made up at UBC. For UBC Biochemistry only, substitute CHEM 2310 and CHEM 2315 instead of BIOL 2320 and BIOL 2322.

Note 3: UBC Biochemistry requires MATH 2321.

Note 4: For UBC Biochemistry, MATH 2321 can count as one of these.

Note 5: SFU Biology majors require BIOL 2322 and BIOL 2421. For SFU Environmental Toxicology, however, substitute MATH 2335 and ENVI 2305 instead of BIOL 2322 and BIOL 2421.

Note 6: SFU Biology majors require MATH 2335 (see note 5 for Environmental Toxicology)

Note 7: SFU requires only one of these. For Biology majors, MATH 2335 can count as this. SFU Environmental Toxicology, however, still requires one additional course.

Note 8: SFU requires none of these.

Note 9: At UVIC, MATH 2335 can count as one of these.

Note 10: UNBC requires none of these.

Note 11: SFU Molecular Biology and Biochemistry (MBB) program requires both CHEM 2310 and CHEM 2315.

Note 12: UVic Biochemistry requires CHEM 2310 or CHEM 2311.

Note 13: UNBC Biochemistry requires CHEM 2311.

Note 14: 60 transfer credits assigned with the Associate of Science degree, but missing courses to make up are:

UBC: missing some second year Biology courses (varies by specialization), but BIOL 2320 and BIOL 2322 provide exemption from UBC BIOL 334 and BIOL 302, respectively.

UNBC: missing some second year Biology courses, but BIOL 2321 and BIOL 2421 provide exemption from UNBC BIOL 311 and CHEM 204.

**Transfer status may vary from institution to institution. Please be sure to confirm the transfer status at each university or other institution you are considering for degree completion.**

**Remember, it is important to verify your academic program with an Educational Advisor.**