

COMBINED DEGREE - BIOLOGICAL SCIENCES (HONOURS)

Student Name: _____

Student I.D. Number: _____ Year of Study: _____

REQUIREMENTS: Forty (40) courses/ 120 units (Note: each course = 3 units)

1. Six core Biological Sciences courses
2. Five Biological Sciences courses → 3000 level or above
3. Three other Biological Sciences courses → 2000, 3000, or 4000 level
4. Eight other Science courses
5. Courses from other major (see Undergraduate Calendar)
6. Courses from any area of study (to a total of 40 courses)

NOTE: Maximum of 14 courses at the 1000 level and at least 26 courses at the 2000 – 4000 level.

Minimum Requirements for Graduation

Combined Honours (without Thesis): GPA Cumulative Average 60% Major Average 70%
 Combined Honours (with Thesis)*: GPA Cumulative Average 60% Major Average 70%

SUMMARY OF COURSES ATTAINED TOWARDS DEGREE*

Biology Core	BIOL1101 BIOM2131	BIOL1111 BIOL3142	BIOL2101	BIOL2111	18* (6)
Biology 3000's or 4000's (note: BIO__ - refers to BIOL- or BIOM- courses)***	BIO_____ BIO_____**	BIO_____ BIO_____**	BIO_____		15 (5)
Biology 2000/3000/4000	BIO_____	BIO_____	BIO_____		9 (3)
Chemistry	CHEM1100	CHEM1110	CHEM2300	BIOC2010	12 (4)
Math & Statistics	STAT2910	MATH1720 <i>or</i>	MATH1760)		6 (2)
ANY ONE PAIR FROM: Computer Science <i>or</i> Computer Science <i>or</i> Physics: Life Sciences <i>or</i> Physics: Majors <i>or</i> Earth & Envir. Science <i>or</i> Earth & Envir. Science	COMP1047 <i>or</i> COMP1400 PHYS1300 PHYS1400 ESCI1111 ESCI1130	COMP2067 <i>and</i>	COMP2057 <i>and</i> PHYS1310 <i>and</i> PHYS1410 <i>and</i> ESCI1100 <i>and</i> ESCI2400		6 (2)
Courses from Other Subject (see requirements in Undergraduate Calendar)	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Any area of study (as needed)	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
				TOTAL	40

*Note: numbers in this column indicate #units (brackets indicate #courses)

**BIOL4904/55-420 (2 semesters) required for "with Thesis"; pre-requisite 70% Major GPA & 60% Cumulate GPA

***Note: BIOM 3750 counts only as Science or Any area of study course, not BIOL/BIOM.

RECOMMENDED COURSE SEQUENCE

Fall Semester

Winter Semester

Year 1 → ten courses including:

Biological Science	BIOL 1101	BIOL 1111
Chemistry	CHEM 1100	CHEM 1110
Mathematics & Statistics	MATH 1720 (or MATH 1760)	STAT 2910

One pair of the following:

Physics: Life Sciences	or	PHYS 1300	PHYS 1310
Physics: Majors	or	PHYS 1400	PHYS 1410
Computer Science	or	COMP 1047 or COMP 2067	COMP 2057
Computer Science	or	COMP 1400	COMP 1410
Earth & Envir. Science	or	ESCI 1100	ESCI 1111
Earth & Envir. Science		ESCI 1130	ESCI 2400

2 courses from other Major _____

Year 2 → ten courses including:

Biological Science	BIOL 2111 BIOL 2101	BIOM 2131
Chemistry & Biochemistry	CHEM 2300	BIOC 2010

5 courses from:

Biological Science	BIOM 2021 BIOL 2071	BIOL 2040	BIOM 2021 BIOL 2480 BIO_____	BIOL 2050 BIOM 3070	BIOL 2080
or Other Major	_____	_____	_____	_____	
or Any area of study	_____	_____	_____	_____	

Year 3 and Year 4 → twenty courses including:

Biological Science	BIOL 3142
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19 courses from:

Biological Sciences ***					
BIOL 3212	BIOL 3241	BIOL 3261	BIOL 3022*	BIOL 3070	BIOL 3071
BIOL 3281	BIOM 3400	BIOM 3540	BIOL 3230	BIOL 3250	BIOL 3291
BIOM 3500	BIOM 3550	BIOM 3560	BIOL 3500	BIOL 3530	BIOL 3581
BIOL 3571	BIOL 3581	BIOL 4008	BIOL 4008	BIOL 4212	BIOL 4252
BIOL 4232	BIOL 4241	BIOL 4262	BIOL 4450	BIOL 4481	BIOM 4510
BIOM 4270	BIOL 4280	BIOM 4440	BIOM 4530	BIOM 4540	BIOM 4550
BIOL 4570	BIOM 4590	BIOL or BIOM 4904**	BIOM 4560	BIOL or BIOM 4904**	
			BIOL 4874 (intersession)		
or Other Major	_____	_____	_____	_____	
	_____	_____	_____	_____	
or Any area of study	_____	_____	_____	_____	

** BIOL4904 or BIOM4904 (2 semesters) required for thesis program (Biology)

***NOTE that some 4000 level BIOM courses have 3000 level pre-requisites