

BIOLOGICAL SCIENCES DEGREE (HONOURS) - WITH/WITHOUT THESIS

Student Name: _____

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

REQUIREMENTS: Forty (40) courses

1. Six core Biological Sciences courses
2. Nine Biological Sciences courses → 3000 level or above
3. Five other Biological Sciences courses → 2000, 3000, or 4000 level
4. Fourteen other Science courses (BIOL, BIOM, BIOC, CHEM, MATH, STAT, PHYS, ESCI, COMP)
5. Four courses from Arts & Social Sciences (at least one from each of Arts & Social Sciences)
6. Two additional courses from any area

NOTE: Maximum of 14 courses at the 1000 level and at least 26 courses at the 2000 – 4000 level.**Minimum Requirements for Graduation**

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

SUMMARY OF CREDITS/COURSES ATTAINED TOWARDS DEGREE*

Biology Core	BIOL1101 BIOL2111	BIOL1111 BIOM2131	BIOL2101 BIOL3142	18** (6)
Biology 3000's or 4000's (note: BIO__ - refers to BIOL- or BIOM- courses)***	BIO_____ BIO_____ BIO_____*	BIO_____ BIO_____ BIO_____*	BIO_____ BIO_____ BIO_____	27 (9)
Biology 2000/3000/4000	BIO_____ BIO_____	BIO_____	BIO_____ BIO_____	15 (5)
Chemistry	CHEM1100 BIOC2010	CHEM1110	CHEM2300	12 (4)
Math & Statistics	STAT2910	MATH1720	or MATH1760	6 (2)
ANY ONE PAIR FROM: Computer Science or Computer Science or Physics: Life Sciences or Physics: Majors or Earth & Envir. Science or Earth & Envir. Science	COMP1047 or COMP1400 PHYS1300 PHYS1400 ESCI1111 ESCI1130	COMP2067 and and and and and and	COMP2057 COMP1410 PHYS1310 PHYS1410 ESCI1100 ESCI2400	6 (2)
Six other Science Courses, at least <u>two 3XXX/4XXX</u> (Excludes ECONXXXX)	_____ _____	_____ _____	_____ _____	18 (6)
Arts/Languages & Social Science (at least 1 of each) (ECONXXXX counts as Soc Sci)	_____ _____	_____ _____	_____ _____	12 (4)
Any area of study	_____ _____	_____ _____	_____ _____	6 (2)

*BIOL4904 or BIOM4904 (2 semesters) required for "with Thesis"; pre-requisite 70% Major GPA & 60% Cumulative GPA

**credits shown (numbers in brackets indicate courses)

*** 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

1-2 courses from Arts/Soc Sci &/or Any Area of Study

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 2040	BIOM 2021	BIOL 2050	BIOL 2080
	BIOL 2071		BIOL 2480	BIOL 2071	BIOM 3070
Arts/Soc Sci &/or Any Area of Study	_____	_____	BIO _____	_____	_____

Year 3 and Year 4 → twenty courses including:

Biological Science	BIOL 3142
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19 courses from:

Biological or Biomedical Sciences (See UWinsite Student for current semester offerings)					
BIOL 3212	BIOL 3241	BIOL 3261	BIOL 3022*	BIOM 3070	BIOM 3071
BIOL 3281	BIOM 3400	BIOM 3540	BIOL 3230	BIOL 3250	BIOL 3291
BIOM 3500	BIOM 3550	BIOM 3560	BIOM 3500	BIOM 3530	BIOM 3581**
BIOL 3571	BIOM 3581**	BIOL 4008	BIOL 4008	BIOL 4212	BIOL 4252
BIOL 4232	BIOL 4241	BIOL 4262	BIOL 4450	BIOL 4481	BIOM 4510
BIOL 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)
Additional Science courses (at least 2 at 3000/4000 level)					
_____	_____	_____	_____	_____	_____
Arts & Social Science &/or Any area of study					
_____			_____		

*BIOL4904 or BIOM4904 (2 semesters) required for “with Thesis”; pre-requisite 70% Major GPA & 60% Cumulative GPA

**If space available (2 semesters)

Note: Obtaining a biochemistry or chemistry minor is possible if proper options are taken in addition to BIOC/CHEM courses taken in this program. (see Undergrad Calendar).