

BIOLOGICAL SCIENCES DEGREE (HONOURS) - WITH/WITHOUT THESIS

Student Name: _____

Student I.D. Number: _____ Year: ☐ First ☐ Second ☐ Third ☐ Fourth

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	☐ BIOL1101/55-141 ☐ BIOL1111/55-140 ☐ BIOL2101/55-210 ☐ BIOL2111/55-211 ☐ BIOM2131/55-213 ☐ BIOL3142/55-341	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	☐ CHEM1100/59-140 ☐ CHEM1110/59-141 ☐ CHEM2300/59-230 ☐ BIOC2010/59-261	12 (4)
Math & Statistics	☐ STAT2910/65-205 ☐ MATH1720/62-140 (or ☐ MATH1760/62-139)	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	☐ COMP1047/60-104 or ☐ COMP2067/60-106 and ☐ COMP2057/60-205 ☐ COMP1400/60-140 and ☐ COMP1410/60-141 ☐ PHYS1300/64-130 and ☐ PHYS1310/64-131 ☐ PHYS1400/64-140 and ☐ PHYS1410/64-141 ☐ ESCI1111/66-140 and ☐ ESCI1100/66-141 ☐ ESCI1130/66-102 and ☐ 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

** a) All courses in table are new course # / old course # b) 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 24001-2 courses from Arts & Social Science ☐ _____☐ _____**Year 2** → ten courses including:

Biological Science

☐ BIOL 2111☐ BIOM 2131☐ BIOL 2101

Chemistry & Biochemistry

☐ CHEM 2300☐ BIOC 2010

5 courses from:

Biological Science

☐ BIOM 2021 ☐ BIOL 2040☐ BIOM 2021 ☐ BIOL 2050 ☐ BIOL 2080☐ BIOL 2070 or ☐ BIOL 2071☐ BIOL 2480 ☐ BIOM 3070 or ☐ BIOM 3071☐ BIO__-__

Arts & Social Science

☐ _____ ☐ _____☐ _____ ☐ _____**Year 3 and Year 4** → twenty courses including:

Biological Science

☐ BIOL 3142

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 ☐ BIOM3581**☐ 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 and/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).