

INTERDISCIPLINARY HEALTH SCIENCE, BIOLOGICAL SCIENCES (HONOURS)

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. Eight other Science courses (BIOL, BIOM, BIOC, CHEM, MATH, STAT, PHYS, ESCI, COMP – see below)
5. Three IHSC courses
6. One course from Arts & Social Sciences
7. Eight courses from chosen IHS concentration*

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

Minimum Requirements for Graduation

GPA Cumulative Average 60% Major Average 70%

SUMMARY OF CREDITS/COURSES ATTAINED TOWARDS DEGREE

| | | |
|--|--|--------|
| Biology Core | <input type="checkbox"/> BIOL1101 <input type="checkbox"/> BIOL1111 <input type="checkbox"/> BIOL2101/55-210 <input type="checkbox"/> BIOL2111 <input type="checkbox"/> BIOM2131 <input type="checkbox"/> BIOL3142/55-341 | 18 (6) |
| Biology 3000's or 4000's (note: BIO__ - refers to BIOL- or BIOM- courses) *** | <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ | 27 (9) |
| Biology 2000/3000/4000 | <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ <input type="checkbox"/> BIO__ - ____ | 15 (5) |
| Chemistry | <input type="checkbox"/> CHEM1100 <input type="checkbox"/> CHEM1110 <input type="checkbox"/> CHEM2300/ <input type="checkbox"/> BIOC2010 | 12 (4) |
| Math & Statistics | <input type="checkbox"/> STAT2910 <input type="checkbox"/> MATH1720 (or <input type="checkbox"/> 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 | <input type="checkbox"/> COMP1047 or COMP2067 and <input type="checkbox"/> COMP2057 <input type="checkbox"/> COMP1400 and <input type="checkbox"/> COMP1410 <input type="checkbox"/> PHYS1300 and <input type="checkbox"/> PHYS1310 <input type="checkbox"/> PHYS1400 and <input type="checkbox"/> PHYS1410 <input type="checkbox"/> ESCI1111 and <input type="checkbox"/> ESCI1100 <input type="checkbox"/> ESCI1130 and <input type="checkbox"/> ESCI2400 | 6 (2) |
| IHSC courses | <input type="checkbox"/> IHSC1000 <input type="checkbox"/> IHSC2000 <input type="checkbox"/> IHSC3000 | 9 (3) |
| Arts/Languages or Social Science (ECONXXXX counts as Soc Sci) | <input type="checkbox"/> _____ | 3 (1) |
| Eight courses from chosen concentration (see checklist)* | <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ | 24 (8) |

* Note for courses that are listed both under the chosen concentration as well as degree requirements:

If the course belongs to the major (BIOL/BIOM in One Health), it will only count towards the major degree requirements, and you must choose another course to fulfill the concentration requirements. A course outside the major (e.g., STAT2910 in Biostatistics) will count towards both major and concentration requirements. A total of 40 courses is needed to graduate – additional courses may be required (any area of study).

RECOMMENDED COURSE SEQUENCE

Fall Semester

Winter Semester

Year 1 → ten courses including:

| | | |
|--------------------------|--|------------------------------------|
| Biological Science | <input type="checkbox"/> BIOL 1101 | <input type="checkbox"/> BIOL 1111 |
| Chemistry | <input type="checkbox"/> CHEM 1100 | <input type="checkbox"/> CHEM 1110 |
| Mathematics & Statistics | <input type="checkbox"/> MATH 1720 (or <input type="checkbox"/> MATH 1760) | <input type="checkbox"/> STAT 2910 |

One pair of the following:

| | | | |
|------------------------|----|---|------------------------------------|
| Physics: Life Sciences | or | <input type="checkbox"/> PHYS 1300 | <input type="checkbox"/> PHYS 1310 |
| Physics: Majors | or | <input type="checkbox"/> PHYS 1400 | <input type="checkbox"/> PHYS 1410 |
| Computer Science | or | <input type="checkbox"/> COMP 1047 or COMP 2067 | <input type="checkbox"/> COMP 2057 |
| Computer Science | or | <input type="checkbox"/> COMP 1400 | <input type="checkbox"/> COMP 1410 |
| Earth & Envir. Science | or | <input type="checkbox"/> ESCI 1100 | <input type="checkbox"/> ESCI 1111 |
| Earth & Envir. Science | | <input type="checkbox"/> ESCI 1130 | <input type="checkbox"/> ESCI 2400 |

Concentration (or Arts/Lang/SocSci), _____ IHSC IHSC1000
IHSC

Year 2 → ten courses including:

| | | |
|--------------------------|------------------------------------|------------------------------------|
| Biological Science | <input type="checkbox"/> BIOL 2111 | <input type="checkbox"/> BIOM 2131 |
| | <input type="checkbox"/> BIOL 2101 | |
| Chemistry & Biochemistry | <input type="checkbox"/> CHEM 2300 | <input type="checkbox"/> BIOC 2010 |

5 courses from:

| | | | | | |
|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Biological Science | <input type="checkbox"/> BIOM 2021 | <input type="checkbox"/> BIOL 2040 | <input type="checkbox"/> BIOM 2021 | <input type="checkbox"/> BIOL 2050 | <input type="checkbox"/> BIOL 2080 |
| | <input type="checkbox"/> BIOL 2071 | | <input type="checkbox"/> BIOL 2480 | <input type="checkbox"/> BIOM 3070 | <input type="checkbox"/> BIO __-__ |
| Concentration (or Arts/Lang/SocSci) | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | |

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) | | | | | |
| <input type="checkbox"/> BIOL 3212 | <input type="checkbox"/> BIOL 3241 | <input type="checkbox"/> BIOL 3261 | <input type="checkbox"/> BIOL 3022 | <input type="checkbox"/> BIOM 3070 | <input type="checkbox"/> BIOM 3071 |
| <input type="checkbox"/> BIOL 3281 | <input type="checkbox"/> BIOM 3400 | <input type="checkbox"/> BIOM 3540 | <input type="checkbox"/> BIOL 3230 | <input type="checkbox"/> BIOL 3250 | <input type="checkbox"/> BIOL 3291 |
| <input type="checkbox"/> BIOM 3500 | <input type="checkbox"/> BIOM 3550 | <input type="checkbox"/> BIOM 3560 | <input type="checkbox"/> BIOM 3500 | <input type="checkbox"/> BIOM 3530 | <input type="checkbox"/> BIOM3581** |
| <input type="checkbox"/> BIOL 3571 | <input type="checkbox"/> BIOM 3581** | <input type="checkbox"/> BIOL 4008 | <input type="checkbox"/> BIOL 4008 | <input type="checkbox"/> BIOL 4212 | <input type="checkbox"/> BIOL 4252 |
| <input type="checkbox"/> BIOL 4232 | <input type="checkbox"/> BIOL 4241 | <input type="checkbox"/> BIOL 4262 | <input type="checkbox"/> BIOL 4450 | <input type="checkbox"/> BIOL 4481 | <input type="checkbox"/> BIOM 4510 |
| <input type="checkbox"/> BIOL 4270 | <input type="checkbox"/> BIOL 4280 | <input type="checkbox"/> BIOM 4440 | <input type="checkbox"/> BIOM 4530 | <input type="checkbox"/> BIOM 4540 | <input type="checkbox"/> BIOM 4550 |
| <input type="checkbox"/> BIOL 4570 | <input type="checkbox"/> BIOM 4590 | <input type="checkbox"/> BIOL or BIOM 4904* | <input type="checkbox"/> BIOM 4560 | <input type="checkbox"/> BIOL or BIOM 4904* | |
| | | | <input type="checkbox"/> BIOL 4874 (intersession) | | |
| IHSC | | | <input type="checkbox"/> IHSC3000 | <input type="checkbox"/> IHSC4000 | |
| Concentration (or Arts/Lang/SocSci) | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ | |

NOTE: Only 1 Arts/Language/Social Science course is required in the program. 8 courses from the concentration must be completed. Students are strongly encouraged to seek regular academic advising for course planning.

*BIOL4904 or BIOM4904 thesis course (2 semesters) available to students with Honours GPA and supervisor.