

ADVISING FORM: IAS Honors with Biological Sciences Major/Minor Concentration

OVERALL REQUIREMENTS FOR MAJORS AND MINORS

Total Number of Courses: 40 courses/120 credits

- (Minimum of courses from the Faculty of Science: 15)
- (Minimum of courses from the Faculty of Arts, Humanities and Social Science: 15)
- Minimum Major GPA to remain in the program: 70%
- Overall GPA Requirement: 70%

Arts and Sciences Core Courses (16 courses/48 credits)

- A. SIX Core ARSC and PHIL courses (ARSC 1000, PHIL 1620, ARSC 3010, ARSC 3100, ARSC 4100, ARSC 4210)
- B. Choice of Intro. Ethics (PHIL 2210), Ethics of Life, Death, Healthcare (PHIL 2250), **OR** Environmental Ethics (PHIL 2270)
- C. One Core Humanities/Social Science elective (from list for Core (B))
- D. Differential Calculus (MATH-1720) **OR** Functions and Differential Calculus (MATH 1760)*
- E. Statistics (STAT-2910 for Majors; Minors may choose SOSC-2500 instead)
- F. Four 1000 level science intro courses (see science pairs below)
- G. One two semester undergraduate research course (like ARSC 4990A/B)

REQUIREMENTS FOR MAJOR BIOLOGY CONCENTRATION (12 courses/36 credits)

- A. Four Biological Sciences Core Courses (BIOL-2101, BIOL-2111, BIOM-2131, BIOL-3142)
- B. One Chemistry and one Biochemistry course (CHEM-2300, BIOC-2010)
- C. Three 2000 level or higher BIOL or BIOM courses
- D. Three 3000 level or higher BIOL or BIOM courses

REQUIREMENTS FOR MINOR BIOLOGY CONCENTRATION (6 courses/18 credits)

- A. Four Biological Sciences Core Courses (BIOL-2101, BIOL-2111, BIOM-2131, BIOL-3142)
- B. One 2000 level or higher BIOL or BIOM course
- C. One 3000 level or higher BIOL or BIOM course

SUMMARY OF COURSES REQUIRED FOR DEGREE

Category	Course Codes			Credits	
Arts and Science Requirements (16 Courses)	Core Courses (A)	<input type="checkbox"/> ARSC-1000	<input type="checkbox"/> ARSC-3010	<input type="checkbox"/> ARSC-4100	18
		<input type="checkbox"/> PHIL-1620	<input type="checkbox"/> ARSC-3100	<input type="checkbox"/> ARSC-4210	
	Ethics (Choose 1)	<input type="checkbox"/> PHIL-2210 OR	<input type="checkbox"/> PHIL-2250 OR	<input type="checkbox"/> PHIL-2270	3
	Core Courses (B)	<input type="checkbox"/> GRST-1100	<input type="checkbox"/> HIST-1140	<input type="checkbox"/> INCS-2020	3
	(ONLY ONE)	<input type="checkbox"/> GRST-1200	<input type="checkbox"/> PHIL-1100	<input type="checkbox"/> INCS-2030	
		<input type="checkbox"/> HIST-1130	<input type="checkbox"/> POLS-2510	<input type="checkbox"/> INCE-2200	
	Calculus (choose 1)	<input type="checkbox"/> MATH-1720	OR	<input type="checkbox"/> MATH-1760	3
	Statistics	<input type="checkbox"/> STAT-2910	OR	<input type="checkbox"/> SOSC-2500	3
	Two Science Pairs	<input type="checkbox"/> BIOL-1101	<input type="checkbox"/> CHEM-1100		12
		<input type="checkbox"/> BIOL-1111	<input type="checkbox"/> CHEM-1110		
Undergraduate Research	<input type="checkbox"/> ARSC-4990A	OR <input type="checkbox"/> BIOL-4904A	OR	6	
ARSC OR Biology Courses OR FAHSS Concentration	<input type="checkbox"/> ARSC-4990B	<input type="checkbox"/> BIOL-4904B	<i>Your other discipline may also offer a thesis option</i>		
Arts and Science Total Credits				48	

* Prerequisite for MATH 1720 is MCV4U, Ontario Grade 12 Calculus and Vectors AND MHF4U, Ontario Grade 12 Advanced Functions

* Prerequisite for MATH 1760 is ONLY MHF4U Ontario Grade 12 Advanced Functions.