

ADVISING FORM: IAS Honors with Biochemistry 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 BIOCHEMISTRY CONCENTRATION (12 courses/36 credits)

- A. Four Chemistry Core Courses (CHEM-2200, CHEM-2300, CHEM-2400, CHEM-2500)
- B. One Biochemistry Course (BIOC-2010)
- C. One Biology and one Biomedical science course (BIOL-2111, BIOM-2131)
- D. Five of the following courses: BIOC-3100, BIOC-3110, BIOC-3130, BIOC-4030, BIOC-4050, BIOC-4XXX

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

- A. One Chemistry and One Biochemistry course (CHEM-2300, BIOC-2010)
- B. Four of the following courses: BIOC-3100, BIOC-3110, BIOC-3130, CHEM-2200, CHEM-2310

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 <input type="checkbox"/> PHIL-1620 <input type="checkbox"/> ARSC-3100 <input type="checkbox"/> ARSC-4210	18
	Ethics (Choose 1) <input type="checkbox"/> PHIL-2210 OR <input type="checkbox"/> PHIL-2250 OR <input type="checkbox"/> PHIL-2270	3
	Core Courses (B) (ONLY ONE) <input type="checkbox"/> GRST-1100 <input type="checkbox"/> HIST-1140 <input type="checkbox"/> INCS-2020 <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	3
	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 <input type="checkbox"/> BIOL-1111 <input type="checkbox"/> CHEM-1110	12
	Undergraduate Research ARSC OR Chemistry Courses OR FAHSS Concentration <input type="checkbox"/> ARSC-4990A OR <input type="checkbox"/> CHEM-4900A OR <input type="checkbox"/> ARSC-4990B <input type="checkbox"/> CHEM-4900B	<i>Your other discipline may also offer a thesis option</i> 6
	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.

	Category	Course Codes	Credits
Biochemistry Major Requirements (12 courses)	Core Courses	<input type="checkbox"/> CHEM-2200 <input type="checkbox"/> CHEM-2300 <input type="checkbox"/> CHEM-2400 <input type="checkbox"/> CHEM-2500	12
	ONE Biochemistry Course	<input type="checkbox"/> BIOC-2010	3
	ONE Biology and ONE Biomedical science course	<input type="checkbox"/> BIOL-2111 <input type="checkbox"/> BIOM-2131	6
	FIVE of the following courses:	<input type="checkbox"/> BIOC-3100 <input type="checkbox"/> BIOC-3110 <input type="checkbox"/> BIOC-3130 <input type="checkbox"/> BIOC-4030 <input type="checkbox"/> BIOC-4050 <input type="checkbox"/> BIOC-4XXX	15
	Biochemistry Major Concentration Total Credits		

	Category	Course Codes	Credits
Biochemistry Minor Requirements (6 courses)	ONE Chemistry and ONE Biochemistry course	<input type="checkbox"/> CHEM-2300 <input type="checkbox"/> BIOC-2010	6
	FOUR of the following courses:	<input type="checkbox"/> BIOC-3100 <input type="checkbox"/> BIOC-3110 <input type="checkbox"/> BIOC-3130 <input type="checkbox"/> CHEM-2200 <input type="checkbox"/> CHEM-2310	12
	Biochemistry Minor Concentration Total Credits		

ARSC WITH A BIOCHEMISTRY MAJOR REQUIRED COURSES BY YEAR

This advising sheet does not include the required courses for your other major, minor, or double minor. Make sure to consult the advising sheets for the other disciplines you are studying

For your next step, you must create a master course of study individualized to your unique combination of disciplines. You may utilize the blank form available on the program website.

1000 Level Courses

ARSC-1000 BIOL-1101 CHEM-1100 MATH-17____
 PHIL-1620 BIOL-1111 CHEM-1110 ARSC Core B

REMINDERS:	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%
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