

ADVISING FORM: IAS Honors with Physics 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)
- E. Statistics (STAT-2910)
- 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 PHYSICS CONCENTRATION (12 courses/36 credits)

- A. Three Physics second year core courses (PHYS-2200, PHYS-2250, PHYS-2500)
- B. Five Physics third year core courses (PHYS-3200, PHYS-3500, PHYS-3210, PHYS-3100, PHYS-3110)
- C. Three Mathematics core courses (MATH-2780, MATH-2790, MATH-3550)
- D. One 3000 level or higher PHYS course
- E. **MATH-1250**

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

- A. Three Physics core courses (PHYS-2200, PHYS-2250, PHYS-2500)
- B. Three 3000 level or higher PHYS courses
- C. **MATH-1250**

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	3
	Statistics <input type="checkbox"/> STAT-2910	3
	Two Science Pairs <input type="checkbox"/> PHYS-1400 <input type="checkbox"/> MATH-1720 <input type="checkbox"/> PHYS-1410 <input type="checkbox"/> MATH-1730	12
	Undergraduate Research ARSC OR Physics Courses OR FAHSS Concentration <input type="checkbox"/> ARSC-4990A OR <input type="checkbox"/> PHYS-4900A** OR <input type="checkbox"/> ARSC-4990B <input type="checkbox"/> PHYS-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.

**PHYS-1500 is a required prerequisite for the PHYS-4900 thesis option

Bachelor of Interdisciplinary Arts and Science

2020/2021

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	Category	Course Codes			Credits
Physics Major Requirements (12 courses)	THREE second year core courses	<input type="checkbox"/> PHYS-2200	<input type="checkbox"/> PHYS-2250	<input type="checkbox"/> PHYS-2500	9
	FIVE third year core courses	<input type="checkbox"/> PHYS-3200 <input type="checkbox"/> PHYS-3100	<input type="checkbox"/> PHYS-3500 <input type="checkbox"/> PHYS-3110	<input type="checkbox"/> PHYS-3210	15
	THREE Mathematics core courses	<input type="checkbox"/> MATH-2780	<input type="checkbox"/> MATH-2790	<input type="checkbox"/> MATH-3550	9
	ONE 3000 level or higher PHYS course	<input type="checkbox"/> PHYS-_____			3
	Physics Major Concentration Total Credits				36

	Category	Course Codes			Credits
Physics Minor Requirements (6 courses)	THREE Physics core courses	<input type="checkbox"/> PHYS-2200	<input type="checkbox"/> PHYS-2250	<input type="checkbox"/> PHYS-2500	9
	THREE 3000 level or higher PHYS courses	<input type="checkbox"/> PHYS-_____	<input type="checkbox"/> PHYS-_____	<input type="checkbox"/> PHYS-_____	9
	Physics Minor Concentration Total Credits				18

ARSC WITH A PHYSICS 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	___ PHYS-1400	___ MATH-1720	___ MATH-17___
___ PHIL-1620	___ PHYS-1410	___ MATH-1730	___ ARSC Core B
___ MATH-1250			

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