

Suggested Course Schedule for Four-Year Honours Degree

First Year

<u>Term 1</u>		<u>Term 2</u>			<u>CH</u>
74:161	Foundations I	74:162	Foundations II	Required Courses in Major	45
62:181	Calculus I	62:191	Calculus II	Optional Courses in Major	15
62:182	Linear Algebra I	62:161	Comp. Sci. II	Courses in Major	60
62:160	Comp. Sci. I		Elective	Required Ancillary Courses	27
	Elective		Elective	Electives	33
Total CH					120

Second Year

<u>Term 1</u>		<u>Term 2</u>	
74:273	Optics	74:272	E & M
74:275	Modern Physics	74:281	Comp. Phys.
74:276	Math. Phys. I	62:291	Calculus IV
62:290	Calculus III	18:170	Gen. Chem. II
18:160	Gen. Chem. I		Elective

Physics Electives

74:284 Stellar & Galactic Astrophysics
 74:450 Introduction to Particle Physics
 74:451 Introduction to General Relativity
 74:472 Mathematical Physics II
 74:473 Atomic and Nuclear Physics

Third Year

<u>Term 1</u>		<u>Term 2</u>	
74:382	Int. Mech.	74:363	Electronics
74:387	Stat/Therm	74:383	EM Fields & Waves
74:388	QM I		Physics Elective
	Elective		Elective
	Elective		Elective

Cross-Listed Physics Electives

74:264 Digital Computer Fundamentals
 74:269 Introduction to Geophysics
 74:364 Microprocessors
 74:456 Computational Chemistry

Fourth Year

<u>Term 1</u>		<u>Term 2</u>	
	Physics Elective		Physics Elective
	Physics Elective		Physics Elective
74:390	Adv. Lab	74:390	Adv. Lab
74:449	Thesis	74:449	Thesis
	Elective		Elective
	Elective		

Comments:

- 1) 74:273 Optics, 74:284 Stellar & Galactic Astrophysics and 74:387 Statistical & Thermal Physics are offered every second year so students must plan to take them in the years they are offered.
- 2) All fourth year courses are offered every second year so students must plan their schedule so they can take the courses that they want to.
- 3) 74:273 Optics & 74:281 Computational Physics are not prerequisites for other courses so they can be taken in any year after the first year.
- 4) 74:390 Advanced Laboratory is worth 3 CH spread over both terms. As a result the load in the first or second term of the fourth year will be 1/2 course over a single semester load and will require the Dean's approval.