

Physics Honours Courses (2025)

Note that enrolment in Physics Honours courses typically requires Permission of Head of School.

Semester I	Semester II	Prerequisites
PHYS6600/6601: Physics Honours Research Project	PHYS6600/6601: Physics Honours Research Project	Admission to BSc Hons
SCIE4000: Research Methods	SCIE4000: Research Methods	Admission to BSc Hons
MATH4105: General Relativity		(PHYS2100 or PHYS2101) + (MATH2000 or MATH2001 or MATH3102)
PHYS4030: Condensed Matter Physics		PHYS3020 + PHYS3040
	PHYS4040: Quantum Field Theory	PHYS3040 + PHYS3051 Rec: PHYS3020
	PHYS4045: Quantum Technologies	PHYS3040 Rec: MATH2000 or MATH2001
	PHYS4055: Atomic Physics & Quantum Optics	PHYS2055 + PHYS3040 Comp: PHYS3020
PHYS4070: Computational Physics II		PHYS3020, PHYS3040 and PHYS3051 Rec: PHYS3071 or MATH3201
	PHYS4080: Frontiers in Astrophysics	PHYS3080 or equivalent Rec: PHYS2082, PHYS3071 and MATH4105 or equivalent
PHYS6004: Special Topics (not offered every year)	PHYS6004: Special Topics (not offered every year)	
PHYS6500: Advanced Research Literature Review	PHYS6500: Advanced Research Literature Review	
Up to 2 units in total of other courses at level 3 or higher approved by the Associate Dean (Academic).	Up to 2 units in total of other courses at level 3 or higher approved by the Associate Dean (Academic).	Permission of Associate Dean (Academic)