

Physics Major (#6 Yr 2, #8 Yr 3), Extended Major (#10 Yr 2, #12 Yr 3)

	Compulsory for Physics Major		Recommended			Electives		
Yr 1 S1	PHYS1001 Mech & Thermal Phys	MATH1051 Calculus & Linear Alg I			SCIE1000/ SCIE1100 Theory & Practice of Sci		PHYS1171** Phys. Basis of Biol. Systems (Pre-requisite for Biophysics major & B. Biom. Sc degree Inc. PHYS1001, PHYS1002) Available Sem 1 and Sem 2	
Yr 1 S2	PHYS1002 Electromag, Optics, Mod.	STAT1201/ STAT1301 Analysis of Sci. Data			MATH1052 Multivariate Calc. & ODEs			
Yr 2 S1	PHYS2020 Thermodyn. & CMP (P: PHYS1001 ⁺ , MATH1051 R: MATH1052)		PHYS2055 Intro to Fields (P: PHYS1002, MATH1051 R: MATH1052)		PHYS2810 Electronics & Circuit Theory (P: PHYS1002)	MATH2001 Calculus & Linear Alg II (P: MATH1051, MATH1052)		
Yr 2 S2		PHYS2041 Intro Quant. Mechanics (P: PHYS1002, MATH1051 R: MATH1052)		PHYS2100 Dynamics & Spec. Rel (P: PHYS1001 ⁺⁺ , PHYS1002, MATH1052)		MATH2100 ODEs & PDEs (P: MATH1052)	PHYS2082 Space Science and Stellar Astrophysics (P: PHYS1001 ⁺⁺ or PHYS1171)	BIPH2000 Foundations of Biophysics (P: PHYS1001 or PHYS1171, BIOL1040)
Yr 3 S1		PHYS3040* Quantum Mechanics (P: PHYS2041 R: MATH2001, MATH2100)	PHYS3051* Fields in Physics (P: PHYS2055, R: MATH2100)	PHYS3071 Computat. Physics (P: PHYS1002, MATH1051 R: MATH2000, MATH2100)				
Yr 3 S2	PHYS3020* Stat. Mech. (P: PHYS2020, PHYS2041, R: MATH2001, MATH2100)		PHYS3900 Perspectives in Physics (P: PHYS2020,2041, 2055)		PHYS3825 Exp. Design (P: Two from PHYS2020,2041, 2055 R: PHYS2810)		PHYS3080 Astrophysics and Cosmology (P: PHYS2082, MATH2001 or MATH2400)	BIPH3001 Frontiers in Biophysics (P: BIPH2000)

P = Prerequisite, R = Recommended, * Minimum #4 from these courses, ** Students having taken Physics in High School should take PHYS1001

⁺ Engineers may take ENGG1050/1500, ⁺⁺ Engineers may take ENGG1010/1400. Engineers should consult an Academic Advisor if considering a dual BE/BSc degree

For more details see the Physics Study Planner available at <http://www.uq.edu.au/study/science/studyplanners/>

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