

Bachelor of Science Physics major Nanotechnology



**SUGGESTED
PATHWAYS**

Directed and Core Courses

Major (Physics)

Other Approved Courses

Electives Suggested choices

Level	Directed and Core Courses	Major (Physics)	Other Approved Courses	Electives Suggested choices	
1000 level (1 st year)	Mathematics component: 10 units MATH1210	Data analysis component: 10 units STAT1070	20 units * PHYS1210 * PHYS1220	20 units + MATH1220 CHEM1010	20 units CHEM1020 (BIOL1001 or ELEC1300)
2000 level (2 nd year)	Scientific practice component: 10 units SCIT2000	30 units PHYS2170 PHYS2240 PHYS2260		40 units + MATH2310 + CHEM2310 + CHEM2410 (PHYS2160 or PHYS2250 or CHEM2210 or BIOL2010)	
3000 level (3 rd year)		40 units PHYS3330 PHYS3350 PHYS3360 PHYS3390	20 units + CHEM3560 + CHEM3580	20 units (CHEM3210 or CHEM3310) 10 units free choice	

NOTES:

1. The Program Handbook is the official document listing all the rules you need to meet, plus courses required or available. Please see <http://www.newcastle.edu.au/program/10323.html>
2. This pathway is only a suggestion and courses may not all be available or practical due to timetabling or workload reasons.
3. Students should check assumed knowledge requirements for all courses, especially in Mathematics.
4. Courses labeled * are compulsory in the major.
5. Courses labeled + are very strongly recommended. This includes all courses listed in the major sequence.
6. For further information about Your Program and Suggested Pathways, including guidelines explaining Majors, Directed, Core, Approved and Elective courses, Mathematics requirements and exemptions, plus Checklists to track your progress, please see <http://www.newcastle.edu.au/faculty/science-it/pathways/index.html>

THIS INFORMATION IS CURRENT AS AT JANUARY 2012 AND IS SUBJECT TO CHANGE