

Bachelor of Science

Mathematics & Physics double major

Computational Physics



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

FACULTY OF
SCIENCE AND INFORMATION
TECHNOLOGY



www.newcastle.edu.au

SUGGESTED
CAREER PATHS

Directed and Core Courses

Major 1 (Physics)

Major 2 (Mathematics)

Electives

1000 level (1 st year)	Mathematics component: Accounted for in Mathematics major	Data analysis component: 10 units STAT1070	20 units * PHYS1210 * PHYS1220	30 units * MATH1800 MATH1210 MATH1220	20 units MATH1510 (meets requirement for 6th 1000-level BSc course to replace Math directed component) 10 units free choice
2000 level (2 nd year)	Scientific practice component: 10 units SCIT2000		30 units PHYS2260 PHYS2170 PHYS2250	30 units * MATH2310 * MATH2320 and MATH2330 or MATH2800	20 units MATH2470 10 units free choice
3000 level (3 rd year)			40 units PHYS3330 PHYS3350 PHYS3360 PHYS3370	40 units MATH3180 MATH3200 MATH3700 MATH3820	

NOTES:

1. Mathematics is a co-major designed to complement other majors within the BSc. Students must choose courses to qualify for another major as well as Mathematics.
2. 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>
3. This pathway is only a suggestion and courses may not all be available or practical due to timetabling or workload reasons.
4. Students should check assumed knowledge requirements for all courses, especially in Mathematics.
5. Courses labeled * are compulsory in the major.
6. Courses labeled + are very strongly recommended. This includes all courses listed in the major sequences.
7. 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