

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
(1st 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
(2nd 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
(3rd 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