

Bachelor of Science

Photonics & Physics double major

Optical Physics



**SUGGESTED
PATHWAYS**

Directed and Core Courses

Major 1 (Photonics)

Major 2 (Physics)

Electives Suggested choices

1000 level
(1st year)

Mathematics component:
10 units
MATH1210

Data analysis component:
10 units
STAT1070

30 units
* PHYS1210
* PHYS1220
* ELEC1300

Requirement covered in Photonics major.

30 units
+ MATH1220
20 units free choice
(one of these 3 choices must meet requirement for 6th 1000-level BSc course due to PHYS 1210/1220 overlap)

2000 level
(2nd year)

Scientific practice component:
10 units
SCIT2000

30 units
* PHYS2260
* PHYS2160
* ELEC3540

30 units
PHYS2170
PHYS2240
PHYS2250

10 units
+ MATH2310

3000 level
(3rd year)

40 units
* PHYS3310
* PHYS3320
* PHYS3345
* PHYS3360

40 units
PHYS3330
PHYS3375
PHYS3390
PHYS3350

NOTES:

- 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>
- This pathway is only a suggestion and courses may not all be available or practical due to timetabling or workload reasons.
- Students should check assumed knowledge requirements for all courses, especially in Mathematics.
- Courses labeled * are compulsory in the major.
- Courses labeled + are very strongly recommended. This includes all courses listed in the major sequences.
- 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