

Bachelor of Science
Photonics major

Optical Physics / Laser Engineering / Photonics Engineering



**SUGGESTED
PATHWAYS**

	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 * ELEC1300		20 units + MATH1220		20 units 20 units free choice
2000 level (2 nd year)	Scientific practice component: 10 units SCIT2000		30 units * PHYS2160 * PHYS2260 * ELEC3540				40 units + MATH2310 30 units free choice
3000 level (3 rd year)			40 units PHYS3310 PHYS3320 PHYS3345 PHYS3360		20 units + PHYS3330 Any 10 units from BSc		20 units 20 units free choice

- 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 sequence.
 - 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