

# Bachelor of Science

## Chemistry major

### Materials Chemistry



THE UNIVERSITY OF  
NEWCASTLE  
AUSTRALIA

FACULTY OF  
SCIENCE AND INFORMATION  
TECHNOLOGY



[www.newcastle.edu.au](http://www.newcastle.edu.au)

**SUGGESTED  
CAREER PATHS**

#### Directed and Core Courses

#### Major (Chem)

#### Other Approved Courses

#### Electives

**1000 level**  
(1<sup>st</sup> year)

**Mathematics component:**

**10 units**

MATH1002 or  
MATH1110 or  
MATH1210

**Data analysis component:**

**10 units**

STAT1070

**20 units**

CHEM1010  
CHEM1020

**20 units**

+ PHYS1210  
+ PHYS1220

**20 units**

20 units free choice

**2000 level**  
(2<sup>nd</sup> year)

**Scientific practice component:**

**10 units**

SCIT2000

**40 units**

\* CHEM2110  
\* CHEM2210  
\* CHEM2310  
\* CHEM2410

**30 units**

+ CHEM2510  
(PHYS2170 or  
MATH2310)

10 units free choice

**3000 level**  
(3<sup>rd</sup> year)

**40 units**

CHEM3310  
CHEM3210  
CHEM3410  
CHEM3560

**20 units**

+ CHEM3570  
+ CHEM3580

**20 units**

20 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**