

# Bachelor of Science

## Biological Sciences major

### Cell & Molecular Biology

#### Directed and Core Courses

#### Major (Bio Sc)

#### 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**  
BIOL1001  
\* BIOL1003

**20 units**  
+ BIOL1002  
CHEM1010

**20 units**  
CHEM1020  
PHYS1200

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

**Scientific practice component:**  
**10 units**  
SCIT2000

**30 units**  
BIOL2001  
BIOL2002  
BIOL2010

**40 units**  
+ BIOL2050  
BIOL2090  
BIOL2020  
BIOL2220

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

**40 units**  
BIOL3001  
BIOL3090  
BIOL3100  
BIOL3310

**20 units**  
BIOL3020  
BIOL3330

**20 units**  
ENVS3003  
ENVS3002

#### 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.
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>



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**SUGGESTED  
CAREER PATHS**

**THIS INFORMATION IS CURRENT AS AT JANUARY 2012 AND IS SUBJECT TO CHANGE**