

# Bachelor of Science

## Biological Sciences major

### Plant Bioinformatics

#### Directed and Core Courses

#### Major (Bio Sc)

#### Other Approved Courses

#### Electives

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

**Mathematics component:**  
**10 units**  
MATH1001 or  
MATH1002 or  
MATH1110 or  
MATH1210

**Data analysis component:**  
**10 units**  
STAT1070

**20 units**  
BIOL1001  
\* BIOL1003

**20 units**  
+ BIOL1002  
CHEM1010

**20 units**  
CHEM1020  
  
Any 10 units  
from INFO/INFT

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

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

**30 units**  
BIOL2220  
BIOL2050  
BIOL2001

**40 units**  
BIOL2090  
  
Any 30 units  
from INFO/INFT  
or MATH/STAT

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

**40 units**  
BIOL3001  
BIOL3330  
BIOL3310  
BIOL3090

**20 units**  
Any 20 units  
from BSc

**20 units**  
Any 20 units  
from INFO/INFT  
or MATH/STAT

#### 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>

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



**SUGGESTED  
CAREER PATHS**