



Advanced Science Core



Major



Science Elective



Free Elective



General Education Elective



CORE SCIENCE PROGRAM (144 UOC)

SCIF1121 or
SCIF1131
(6UOC)

GEOS1701
Environmental
Systems & Processes
(6UOC)

PHYS1121 or
PHYS1131
Physics 1A or
Higher Physics 1A
(6UOC)

MATH1131 or
MATH1141
Maths 1A or
Higher Maths 1A
(6UOC)

MATH1231 or
MATH1241
Maths 1B or
Higher Maths 1B
(6UOC)

CLIM2001
Atmospheric
Science
(6UOC)

MATH2111
Higher Sev.
Var. Calc.
(6UOC)

MATH2130
Higher Math
Methods
(3UOC)

MATH2241
Intro to Atmosphere &
Ocean Dynamics
(6UOC)

MATH2601
Higher Linear
Algebra
(6UOC)

MATH2859
Prob., Stats,
Info
(3UOC)

CLIM3001
Climate Systems
Science
(6UOC)

MATH3261
Fluids, Oceans &
Climate
(6UOC)

MSCI3001
Physical
Oceanography
(6UOC)

SCIF3041
Research
Internship B
(6UOC)

Plus 6 UOC from:
MATH3041, MATH3101,
MATH3121, MATH3201

Level 3
Science elective
(6UOC)

48 UOC
Honours Year

- Science and free electives (unless otherwise indicated) may be at any level provided the total Level 1 and GEN##### courses does not exceed 72 UOC;
- 'Science' courses are defined as per Table 1;
- Science electives can be used to complete a double major;
- **Recommended Electives** (these 6 UOC courses are not required but are recommended as good complementary courses for this major when choosing electives):
BIOS1101, CHEM1011, COMP1917, PHYS1221 or PHYS1231, CVEN3501, GEOS3761

BREADTH (48 UOC)

Free elective
(6 UOC)

Free elective
(6UOC)

Free elective
(6 UOC)

Free elective
(6 UOC)

Free elective
(6 UOC)

Free elective
(6 UOC)

General
Education
Elective
(6 UOC)

General
Education
Elective
(6 UOC)

- This breadth component is not completed where students undertake a concurrent degree program. Instead students combine the core Science program with the core for the other UNSW program;
- Free electives in the single degree may be used to complete a double major.
- Students cannot take 'Science' or GEN# courses as their General Education electives.

SINGLE DEGREE SCIENCE PROGRAM (192 UOC) [144 UOC core + 48 UOC breadth]

- In the single degree program a maximum of 72 units of credit of level I courses can be taken, including any GEN##### course or mainstream level I course taken to fulfil the 12 UOC general education requirement.