

D0501 Diploma of Higher Education Science stream - Clayton

[D0501 Handbook entry](#): refer to the Handbook for authorised course and unit information.

Stream	Campus	Mode	Duration
Science	Clayton	On-campus	1 year

Pathways to Monash degrees

- Students who pass all eight units for the Science stream and achieve a minimum weighted average mark of 60% in the Diploma will be eligible to enrol in a Bachelor of Science or Bachelor of Education (Honours)/Bachelor of Science (specialising in either Primary or Secondary Education) and will receive credit for up to 48 points for units passed in the Diploma.

Sem	Core units	Science units		
1	EDF1010 Learning in a university context (6 pts)	Mathematics unit (see note 1)	Level 1 approved science sequence (see note 2)	Level 1 approved science sequence (see note 2)
2	EDF1011 Knowledge and context (6 pts)	Mathematics unit (see note 1)	Level 1 approved science sequence (see note 2)	Level 1 approved science sequence (see note 2)

Notes

Students complete six first year science units as follows:

1. Two of the following mathematics units (12 points)

- [MTH1010](#) Functions and their applications (unless the equivalent Year 12 studies have already been completed to an appropriate standard)
- [MTH1020](#) Analysis of change
- [MTH1030](#) Techniques for modelling
- [MTH2010](#) Multivariable calculus
- [SCI1020](#) Introduction to statistical reasoning
- [STA1010](#) Statistical methods for science

2. Students take four level one units (24 points) from the Faculty of Science, comprising a level one approved sequence in two of the following areas:

Biological sciences

One pair of:

- [BIO1011](#) Biology I and [BIO1022](#) Biology II
- [BIO1011](#) Biology I and [BIO1042](#) Environmental biology

Chemistry

One pair of:

- [CHM1011](#) Chemistry I and [CHM1022](#) Chemistry II
- [CHM1011](#) Chemistry I and [CHM1052](#) Chemistry II advanced
- [CHM1051](#) Chemistry I advanced and [CHM1022](#) Chemistry II
- [CHM1051](#) Chemistry I advanced and [CHM1052](#) Chemistry II advanced

Computational science

- [FIT1045](#) Introduction to algorithms and programming and [FIT1008](#) Introduction to computer science

Earth, atmosphere and environment

- [EAE1011](#) Earth, atmosphere and environment 1 and [EAE1022](#) Earth, atmosphere and environment 2

Physics

One pair of:

- [PHS1011](#) Classical physics and relativity* and [PHS1022](#) Fields and quantum physics**
- [PHS1080](#) Foundation physics and [PHS1022](#) Fields and quantum physics **

* [MTH1020](#) Analysis of change is required as a co-requisite.

** [MTH1030](#) Techniques for modelling is required as a co-requisite.