

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 units for the Science stream on the first (and only) attempt 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 | Mathematics unit (see note 1) | Level 1 approved science sequence (see note 3) | Level 1 approved science sequence (see note 3) |
| 2 | EDF1011 Knowledge and context | Science unit level 1 (see note 2) | Level 1 approved science sequence (see note 3) | Level 1 approved science sequence (see note 3) |

Notes

Students complete six first year science units as follows:

1. One of the following mathematics units (6 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
- [SCI1020](#) Introduction to statistical reasoning
- [STA1010](#) Statistical methods for science

2. Any additional level 1 unit required to take the total level 1 science listed units to 36 credit points. Level 1 science listed units are chosen from units listed under any major, extended major or minor offered in the Bachelor of Science or from the following:

- [SCI1200](#) Humans, evolution and modern society
- [SCI1300](#) Climate change: From science to society

3. 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](#) Blueprints for life and [BIO1022](#) Life on Earth
- [BIO1011](#) Blueprints for life and [BIO1042](#) Life in the environment

Chemistry

- [CHM1011](#) Chemistry 1 and [CHM1022](#) Chemistry 2*

Computational science

- [FIT1045](#) Algorithms and programming fundamentals in python and [FIT1008](#) Introduction to computer science

Earth, atmosphere and environment

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

Physics

- [PHS1001](#) Foundation physics and [PHS1002](#) Physics for engineering**

*Students who have achieved excellent results in Units 3 and 4 VCE Chemistry can enquire about advanced options.

**Students considering completing physics in their destination degree should complete MTH1030 Techniques for modelling. Students who have not met the VCE entry requirements for MTH1030 must also complete MTH1020 Analysis of change.

Additional requirements

Students are required to achieve the standard in the CASPer test prior to gaining admission to the Bachelor of Education (Honours). For more information, please visit <http://monash.edu/education/casptest>. Once enrolled in the BEd(Hons), students will be required to achieve the standard in the Literacy and Numeracy Test for Initial Teacher Education Students. See [D3001](#) for more information.