

B-SCIEXT Bachelor of Science (Extended)

Year and Campus:	2016 - Parkville
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	400 credit points taken over 48 months full time. This course is available as full or part time.
Coordinator:	The Program Director for the Bachelor of Science (Extended) is Associate Professor Michelle Livett
Contact:	<p>Currently enrolled students:</p> <ul style="list-style-type: none"> # General information: https://ask.unimelb.edu.au (https://ask.unimelb.edu.au) # Contact Stop 1 (http://students.unimelb.edu.au/stop1) <p>Future students:</p> <ul style="list-style-type: none"> # Further information: https://futurestudents.unimelb.edu.au (https://futurestudents.unimelb.edu.au)
Course Overview:	<p>The Bachelor of Science (Extended) is a four-year program that provides a transition into tertiary science and technology study and is available to Aboriginal and Torres Strait Islander students. A year of study in addition to the three-year BSc program provides students with foundation knowledge and skills in science, mathematics and communication, while supporting the development of students' academic skills for tertiary study. Upon completion, graduates will have completed all of the requirements of the Bachelor of Science.</p> <p>Students are supported by a range of the University's student support services, including Murrup Barak, the Melbourne Institute for Indigenous Development, as well as having the opportunity to live in one of the colleges affiliated with the University of Melbourne.</p>
Learning Outcomes:	<p>BSc(ext) graduates:</p> <ul style="list-style-type: none"> # apply their broad knowledge of science across a range of fields, with in-depth knowledge in at least one area of study, while demonstrating an understanding the local and global contexts in which science is practised; # articulate the methods of science and explain why current scientific knowledge is both contestable and testable by further inquiry; # apply appropriate methods of research, investigation and design, to solve problems in science, technology and/or engineering, including the planning and conduct of a significant project or investigation; # employ highly developed conceptual, analytical, quantitative and technical skills and are adept with a range of technologies; # articulate the relationship between different science cultures, the international scope of science, technology and engineering knowledge and methods and the diverse contributions made by people with diverse perspectives, cultures and backgrounds; # evaluate the role of science, technology, and/or engineering in addressing current issues facing humankind, for example climate change, health and disease, food security, sustainable energy use; # work effectively in groups to meet a shared goal with people whose disciplinary and cultural backgrounds differ from their own; # communicate clearly and convincingly about science and technology ideas, practice and future contributions to expert and non-expert audiences, matching the mode of communication to their audience.
Course Structure & Available Subjects:	Successful completion of 100 points of foundation studies followed by 300 points of study as required to complete the Bachelor of Science (B-SCI)
Subject Options:	<p>First Year (normally completed full time)</p> <p>87.5 points of foundation studies comprising the following subjects:</p>

Subject	Study Period Commencement:	Credit Points:
SCIE10001 Science: A Study of Life and Environment	Semester 1	12.50
SCIE10002 Science: Systems, Technology and Design	Semester 2	12.50
MAST10014 Foundation Mathematics 1	Semester 1	12.50
MAST10015 Foundation Mathematics 2	Semester 2	12.50
MULT10011 Introduction to Life, Earth and Universe	Semester 1	12.50
AIND10001 Communication and Performance 1	Semester 1	12.50

and one of:

Subject	Study Period Commencement:	Credit Points:
MULT10001 Aboriginalities	Semester 2	12.50
ENST10001 Environment and Story	Semester 2	12.50

Plus:

- # 12.5 points of level-1 Bachelor of Science science credited subjects

*Note - students who have successfully completed VCE Unit 3/4 Mathematical Methods may seek approval to replace MAST10014 and MAST10015 with additional level-1 BSc electives

Second Year

12.5 points of foundation studies:

Subject	Study Period Commencement:	Credit Points:
SCIE10003 Science: Supporting Health and Wellbeing	Not offered 2016	12.50

Plus:

- # 87.5 points toward the completion of the requirements of the Bachelor of Science

In the second year of the course students transition to the Bachelor of Science (B-SCI) completion requirements. Students refer to the [BSc handbook entry \(../view/current/b-sci\)](#) for these course completion requirements.

Entry Requirements:

1. In order to be considered for entry, applicants must have completed: one of

(a) the Victorian Certificate of Education including

- # VCE Units 1 and 2 – satisfactory completion of one of Biology, Chemistry, General Mathematics, Mathematical Methods (CAS), Physics, or equivalent
- # VCE Units 3 and 4 – a study score of at least 25 in one of English, English Language or Literature or English as an Additional Language

(b) a senior secondary program, foundation studies program or equivalent approved by the Academic Board including appropriate English language studies and studies in one of Mathematics, Biology, Chemistry or Physics.

To be considered, applicants must also be recognized as Indigenous Australians or Torres Strait Islanders.

Minimum ATAR or equivalent overall performance rankings (<http://coursesearch.unimelb.edu.au/undergrad/1948-bachelor-of-science-extended>) apply.

Meeting these requirements does not guarantee selection.

2. In ranking applications, the Selection Committee will consider:

- # prior academic performance
- # academic capacity relevant to science study, assessed by interview and/or referee reports

	<p>3. The Selection Committee may seek further information to clarify any aspect of an application in accordance with the Academic Board rules (http://about.unimelb.edu.au/_data/assets/pdf_file/0007/1413727/Use-of-Selection-Instruments-Rules-of-the-Academic-Board-23-March-2015.pdf) on the use of selection instruments.</p> <p>4. For applicants who have not completed the Victorian Certificate of Education or the International Baccalaureate Diploma, the undergraduate <u>English language requirements</u> (http://about.unimelb.edu.au/academicboard/resolutions) must be met.</p> <p>Note This specialised degree is for talented Indigenous Australians who may not meet the regular Bachelor of Science entry requirements. It includes integrated support and academic skills subjects.</p>
<p>Core Participation Requirements:</p>	<p>The Bachelor of Science (Extended) welcomes applications from students with disabilities. It is University and degree policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the degree. The Bachelor of Science (Extended) requires all students to enrol in subjects where they will require: the ability to comprehend complex science, technology and/or engineering systems related information; the ability to clearly and independently communicate a knowledge and application of science, technology and engineering systems principles and practices during assessment tasks; and in some areas of study; the ability to actively and safely contribute in clinical, laboratory, and fieldwork/excursion activities. Students must possess behavioural and social attributes that enable them to participate in a complex learning environment. Students are required to take responsibility for their own participation and learning. They also contribute to the learning of other students in collaborative learning environments, demonstrating interpersonal skills and an understanding of the needs of other students. Assessment may include the outcomes of tasks completed in collaboration with other students. There are additional inherent academic requirements for some major studies and subjects, and these requirements are listed within the description of the requirements for each of these majors and subjects. Students who feel their disability will impact on meeting this requirement are encouraged to discuss this matter with the relevant Subject Coordinator and Disability Liaison: # http://www.services.unimelb.edu.au/disability/</p>
<p>Further Study:</p>	<p>The Bachelor of Science (Extended) degree provides pathways to honours, graduate professional entry degrees or, upon completion of appropriate research training preparation following the BSc, research higher degrees.</p> <p>Honours Depending on the major undertaken, students may apply for an Honours program upon completion of the Bachelor of Science (Extended). Refer to the course entry for further details:</p> <p>https://handbook.unimelb.edu.au/view/current/BH-SCI (../view/current/BH-SCI)</p> <p>Graduate Professional Entry Degrees For students who wish to continue professional studies at graduate level, the degree provides a pathway into a range of graduate professional entry programs, some of which also provide research training.</p> <p>http://futurestudents.unimelb.edu.au/grad/grad-programs/professional-entry (http://futurestudents.unimelb.edu.au/grad/grad-programs/professional-entry)</p> <p>Research Higher Degrees For students who wish to explore science research questions in greater depth, there will be opportunities to proceed to Research Higher Degrees at masters and doctoral level. Research training preparation within the Honours year, Postgraduate Diploma or a Masters degree will be required as preparation for a research higher degree.</p>
<p>Graduate Attributes:</p>	<p>The Bachelor of Science (Extended) has the objective of preparing graduates who embody the University of Melbourne graduate attributes.</p>
<p>Professional Accreditation:</p>	<p>Please see the Bachelor of Science handbook entry for the following majors for details of their level of professional accreditation:</p> <ul style="list-style-type: none"> # Psychology # Computing and Software Systems
<p>Generic Skills:</p>	<p>A description of the generic skills expected of a graduate of the Bachelor of Science is contained within the degree's Learning outcomes statement (see 'Learning Outcomes').</p>