



Program

Science (International)

3987 | 192 Units of Credit

Overview

The Bachelor of Science (International) recognises that science involves a global network, which is faced with and addresses global issues and often operates within companies and agencies that have an international focus. The BSc (International) is thus aimed at providing for the needs of students by preparing them for an increasingly globalised work environment.

The program is designed for students wishing to obtain a strong and highly regarded Science program coupled with specific emphasis on cross-cultural skills, knowledge and understanding. The program also provides the knowledge and skills essential for understanding and working in the rapidly changing global environment. It will provide a wide range of career opportunities in global scientific organisations and companies, international government and non-government agencies and in scientific research. The program requires students to undertake a coherent scientific program, achieved by completing a science-based major and adds a series of directed electives to provide a suite of attributes associated with 'global education'. The program also places emphasis on cross cultural understanding, competencies in languages and incorporates a period of overseas study. The Faculty provides a contribution to the expenses of this exchange.

The objectives of the program are:

1. To graduate scientists with both a breadth and depth of scientific knowledge and professional skills;
2. To develop the capacity for critical thinking and independent learning;
3. To expose students to the social context of science, to the globalization of science, the global issues in science and provide a greater appreciation and sensitivity to the cultural context of knowledge and learning in science;
4. To foster greater cross cultural understanding and the development of international professional networks.

Faculty

Faculty of Science

Campus

Kensington

Study Level

Undergraduate

Typical duration

4 Years

Delivery Mode

Face-to-face

Intake Period

Term 1, Term 2, Term 3

Academic Calendar

3+ Calendar

Minimum Units of Credit

192

Award type

Bachelors Pass

Award(s)

Bachelor of Science (International) -
BSc(International)

UAC Code

429420

CRICOS Code

068780E

Learning Outcomes

1. Demonstrate understanding of the social, cultural and global context of science with an ability to communicate across cultures and to develop an international professional network

Global Citizens

Leaders

2. Teamwork, collaborative and management skills. Ability to recognise opportunities and contribute positively to collaborative scientific research, and to perceive the potential value of ideas towards practical applications. Demonstrate a capacity for self management, teamwork, leadership and decision making based on open-mindedness, objectivity and reasoned analysis in order to achieve common goals and further the learning of themselves and others

Professionals

Scholars

Leaders

3. Capability and motivation for intellectual development. Capacity for creativity, critical evaluation and entrepreneurship. Ability to take responsibility for and demonstrate commitment to their own learning, motivated by curiosity and an appreciation of the value of learning

Professionals

Leaders

Scholars

4. Ethical, Social and Professional Understanding. Ability to critically reflect upon broad ethical principles and codes of conduct in order to behave consistently with a personal respect and commitment to ethical practice and social responsibility. Understanding of responsibility to contribute to the community. Respect and value social, multicultural, cultural and personal diversity.

Global Citizens

Professionals

5. Communication. Effective and appropriate communication in both professional (intra and inter disciplinary) and social (local and international) contexts.

Scholars

6. Information literacy. Ability to make appropriate and effective use of information and information technology relevant to their discipline.

Scholars

7. Research, inquiry and analytical thinking abilities. Technical competence and discipline specific knowledge. Ability to construct new concepts or create new understanding through the process of enquiry, critical analysis, problem solving, research and inquiry.

Scholars

Global Citizens

Graduate Capabilities:

For more information on Graduate Capabilities, please click on this [link](#).

Program Structure

Students must complete 192 UOC as a standalone program.

1. 168 UOC including:

- 60-96 UOC An approved Bachelor of Science (International) Major
- 36 UOC An approved Language Minor
- 24 UOC Approved Directed Electives
- 12-48 UOC Science Elective Courses : 'Science' courses are defined in Table 1.

2. 24 UOC Free electives: these courses can be taken from any Faculty at UNSW.

Language Minor

Students must complete a Minor stream in one language.

Please Note: one course for the minor should be taken each term for the first 5 terms of study. The remaining course can be taken overseas or in a student's final term of study. This will ensure that students have a good language background before travelling overseas on exchange, ideally to a country related to their language study.

MINOR:

CHINC2 | 36 UOC

Chinese Studies (Extended)

CHIND2 | 36 UOC

Advanced Chinese Studies (Extended)

FRENC2 | 36 UOC

French Studies (Extended)

FREND2 | 36 UOC

Advanced French Studies (Extended)

GERSC2 | 36 UOC

German Studies (Extended)

INDOD2 | 36 UOC
Indonesian Studies (Extended)

JAPND2 | 36 UOC
Japanese Studies (Extended)

JAPNE2 | 36 UOC
Advanced Japanese Studies (Extended)

KOREC2 | 36 UOC
Korean Studies (Extended)

KORED2 | 36 UOC
Advanced Korean Studies (Extended)

SPANF2 | 36 UOC
Spanish and Latin American Studies (Extended)

Majors

Students must do a minimum of 1 stream(s) from the list below, up to a maximum of 2.

Students may choose to complete a second Science Major, if they have sufficient UOC available in their program.

MAJOR:

ANATA1 | 72 UOC
Anatomy

BINFB1 | 96 UOC
Bioinformatics

BIOCC1 | 90 UOC
Genetics

BIOCM1 | 84 UOC

Molecular and Cell Biology

BIOSG1 | 78 UOC

Ecology

BIOSJ1 | 78 UOC

Biology

BIOTA1 | 84 UOC

Biotechnology

CHEMA1 | 78 UOC

Chemistry

FOODH1 | 72 UOC

Food Science

GEOGG1 | 78 UOC

Geography

GEOLS1 | 78 UOC

Earth Science

MATHM1 | 60 UOC

Mathematics

MATHN1 | 66 UOC

Physical Oceanography

MATHT1 | 60 UOC

Statistics

MATSB1 | 78 UOC

Materials Science

MICRB1 | 84 UOC

Microbiology

MSCIM1 | 78 UOC

Marine and Coastal Science

NEURS1 | 84 UOC

Neuroscience

PATHA1 | 66 UOC

Pathology

PHARA1 | 66 UOC

Pharmacology

PHSLA1 | 66 UOC

Physiology

PHYSL1 | 78 UOC

Physics

PSYCA1 | 78 UOC

Psychology

VISNA1 | 84 UOC

Vision Science

International Exchange Requirement

Students must take at least 24 UOC, up to a maximum of 48 UOC of the following courses.

any Exchange course

Prescribed Electives

24 UOC of elective courses.

Please Note: Some of these courses require completion of prerequisite courses. If students wish to take these courses they are expected to use their free electives to complete necessary prerequisites.

Students may apply for additional courses to be considered for this list. Courses will be considered by the Associate Dean (Undergraduate Programs) or nominee if they fulfil the objectives of the Bachelor of Science (International) program.

[ARTS1210](#) | 6 UOC

[Concepts of Asia](#)

[ARTS1211](#) | 6 UOC

[Australia's Asian Context](#)

[ARTS1750](#) | 6 UOC

[Introduction to Global Development](#)

[ARTS1752](#) | 6 UOC

[Development in a Global Context](#)

[ARTS1810](#) | 6 UOC

[Foundations of Politics and International Relations](#)

[ARTS1811](#) | 6 UOC

[Contemporary Issues in Government and Global Politics](#)

[ARTS2811](#) | 6 UOC

[International Law: Power, Politics and Ideology](#)

[ARTS2812](#) | 6 UOC

[The Politics of International Organisation](#)

[ARTS2813](#) | 6 UOC

[International Security](#)

[ARTS2814](#) | 6 UOC

FINS3616 | 6 UOC

International Business Finance

GEOS1601 | 6 UOC

Population, Environment, Society

GEOS3611 | 6 UOC

Geographies of Asia-Pacific

GEOS3651 | 6 UOC

Migration, Multiculturalism and Society

MARK3071 | 6 UOC

International and Global Marketing

MGMT1101 | 6 UOC

Global Business Environment

MGMT2101 | 6 UOC

International Business and Multinational Operations

MGMT2102 | 6 UOC

Managing Across Cultures

MGMT3102 | 6 UOC

Asia-Pacific Business

Free Electives

Students take up to 24 UOC of free electives

any course

Maximum Level 1 UOC

Students may only undertake a maximum of 72 UOC of the following courses.

any level 1 course

Minimum Level 1 Science UOC

Students must complete a minimum of 24 UOC of the following courses.

any level 1 Anatomy course

any level 1 Computer Science course

any level 1 Food Technology course

any level 1 course offered by Faculty of Science

any level 1 Neuroscience course

any level 1 Pathology course

any level 1 Pharmacology course

any level 1 Physiology course

Minimum Science UOC

Students must complete a minimum of 96 UOC of the following courses.

any Anatomy course

any Computer Science course

any Food Technology course

any course offered by Faculty of Science

[any Neuroscience course](#)

[any Pathology course](#)

[any Pharmacology course](#)

[any Physiology course](#)

Level 2 Maturity Requirements

Students must have completed 30 UOC before taking any of the following courses.

[any level 2 course](#)

Level 3 Maturity Requirements

Students must have completed 72 UOC before taking any of the following courses.

[any level 3 course](#)

[any level 6 course](#)

Overseas Program Maturity Requirements

Students must have completed 120 UOC before taking any of the following courses.

[any Exchange course](#)

Sample Programs

To access sample program(s), please visit:

[Sample Science Programs](#)

Enrolment Disclaimer

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites

for individual courses but not that a course will count towards your program requirements.

Related Programs

Related Programs

Bachelor of Science and Business - **BSc&Bus**

3925 Science and Business

Faculty: Faculty of Science

Campus: Kensington

Units of Credit: 144

Typical Duration: 3 Years

[Read More](#)

Bachelor of Advanced Science (Honours) - **BAdvSci(Hons)**

3962 Advanced Science (Honours)

Faculty: Faculty of Science

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Science - **BSc**

3970 Science

Faculty: Faculty of Science

Campus: Kensington

Units of Credit: 144

Typical Duration: 3 Years

[Read More](#)

Program Requirements

Recognition of Prior Learning

UNSW Students may be granted Recognition for Prior Learning (RPL) which may or may not reduce the amount of learning required to achieve a degree at UNSW. Generally, RPL is only granted based on the completion of tertiary-level studies, but in exceptional circumstances may also include non-formal or informal learning such as professional experience. RPL will not be granted based on partly completed tertiary courses. All applications for RPL at UNSW are subject to UNSW Recognition of Prior Learning (Coursework Programs) Policy and Procedures. Students seeking credit for courses completed at another university are required to submit documentary evidence (course outlines, academic transcripts) to support their application, and to nominate the course(s) for which they seek credit. In addition, the following conditions apply for all UNSW Science programs (including the Science component of dual award programs): Specified course credit, i.e. credit granted for an exact or near exact equivalence to a course at UNSW, will not be granted when more than 7 years has elapsed from the successful completion of the course (or other learning) and the student's commencement in the Science program. Where this time period is shorter it will be stipulated in the individual rules for the relevant program. Unspecified course credit (e.g. General Education or free electives) will not be granted when more than 10 years has elapsed from the successful completion of the course (or other learning) and the student's commencement in the Science program. Students may only receive credit of up to a maximum of 50% of the coursework component of their Science program, excluding Honours. For most undergraduate programs this will be 72 UOC. For dual award programs that include a Science component, it will be a maximum of 50% of the Science component of the dual degree, excluding Honours. Credit for the other program will be assessed by the Faculty that administers that program. Applications for RPL will only be assessed for students who have accepted a place to study in a UNSW Science program. Students must formally apply for RPL unless they become a UNSW student as part of a formal Articulation Agreement. Applications for RPL should be made as early as possible in the student's program. Students who are readmitted into a Science program after a period of unapproved absence or deferment, or after exclusion, will not necessarily retain credit for all units completed at UNSW prior to the absence if the date of completion of the units of study is greater than the 7 and 10-year rules outlined in points 1 and 2 above. In these cases, the credit retained will be decided by the Associate Dean (Academic Programs) in consultation (when necessary) with the Program and/or Course Authority.

Participation and Enrolment Requirements

Other

Students are required to study overseas. This means they are subject to visa requirements, both here and overseas. Students are not compelled to go to any particular destination. In addition, students who find themselves unable to go overseas may transfer to the B. Science degree (program 3970).

Progression Requirements

Progression to stages 2,3 and 4 is subject to satisfactory progress. Students who do not meet a minimum weighted average mark (WAM) of 65 at the end of stage 2 will be required to transfer to program 3970 Bachelor of Science. Students who are otherwise deemed ineligible to proceed on exchange will also be required to transfer to program 3970 Bachelor of Science.

Overseas Exchange

Students must complete an international exchange of 24-48 units of credit (one or two semesters) at an approved UNSW overseas partner university. Click for a list of partner universities. The exchange is governed by the following rules:

To proceed on exchange students must have achieved satisfactory academic progress in their first and second years of study, typically with no more than one fail on their transcript, and must fulfil the requirements of the University's exchange program.

Students must complete 120 units of credit before they can go on exchange, i.e. the exchange program is completed in Year 3 semester 2, and Year 4 semester 1.

A Faculty of Science Travel Bursary will be available for students who undertake the international exchange as part of this program. This bursary will represent a small contribution from the Faculty towards the cost of undertaking the exchange. Students can only apply for the Scholarship once and scholarship applications must be submitted prior to the commencement of the UNSW Exchange program. Applications submitted upon completion of the exchange program will not be accepted.

Students must apply to go on exchange through the Study Abroad and Exchange Office, 9 months in advanced of their intended exchange. Click for details on how to apply for Student Exchange.

There are no restrictions on a student's selection of courses while on exchange, however, students should be enrolled full-time and all courses taken must count towards meeting the degree requirements such that the degree can be completed in the minimum time. Students should note that it can sometimes be difficult finding exact matches to core courses for a major at foreign universities, and it may be easier to take elective courses ('Science' electives Free Electives or Directed

Electives) while on exchange. Therefore students should plan their enrolment over the four years of the Bachelor of Science (International) degree accordingly. Students who do not satisfy the criteria for exchange will normally be required to transfer to another program for which they are eligible, for example the Bachelor of Science (program 3970).

For more information on university policy on progression requirements please visit [Academic Progression](#).

Pathways

Honours Programs

Bachelor of Science (Honours) - **BSc(Hons)**
4500 Science (Honours)

Faculty: Faculty of Science

Campus: Kensington

Units of Credit: 48

Typical Duration: 1 Years

[Read More](#)

Professional Outcomes

Career Opportunities

Positions in global scientific organisations and companies, international government and non-government agencies, scientific research.

Recognition of Achievement

University Medal

The University Medal is awarded to recognise outstanding academic performance by a bachelor degree student in line with the University Medal Policy and University Medal Procedure.

Award of Pass with Distinction

The Award of Pass with Distinction is awarded when a weighted average mark (WAM) of at least 75% has been achieved and at least 50% of the requirements of the award completed at UNSW. All eligible programs will award Pass with Distinction except in special circumstances where approval of Academic Board has been given for a program to opt out.

For more information, please visit:

[Current Students Pass With Distinction](#)

Additional Information

Definition of 'Science' courses

[Table 1](#)

Science Handbook Rules and Editions

Students must follow the program rules and requirements in the UNSW Handbook published in the year they commence their studies with the Faculty of Science.

Students who transfer from another UNSW Faculty into Science (for example, from a Bachelor of Arts into a Bachelor of Science) must follow the program rules and requirements in the UNSW Handbook published in the year of their transfer.

Students, who are readmitted to UNSW after a period of unapproved absence or deferment, or after exclusion, must satisfy the program rules in the Handbook published in the year of their readmission. In addition, these students may be subject to restrictions on which courses taken at UNSW may be counted on their return. In some cases, students returning from an unapproved absence may be required to repeat courses. See the Recognition of Prior Learning (RPL) and Advanced Standing section below for more details. Students who take approved leave or deferment will follow the Handbook for the year of their original commencement unless otherwise approved by the Associate Dean (Academic Programs).

Program Fees

At UNSW fees are generally charged at course level and therefore dependent upon individual enrolment and other factors such as student's residency status. For generic information on fees and additional expenses of UNSW programs, click on one of the following:

[Domestic Students](#)

[Commonwealth Supported Students](#)

[International Students](#)

Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

[Pre-2019 Handbook Editions](#)

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Authorised by Deputy Vice-Chancellor (Academic)

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ABN: 57 195 873 179