



Program

# Science and Business

3925 | 144 Units of Credit

## Overview

The three-year Bachelor of Science and Business has been developed to provide a new generation of scientists for today's increasingly competitive and business-aware world. This program allows students to combine a coherent stream of studies in a contemporary Science discipline with courses that provide a broad background to business and management. Students will study a range of foundation business courses that will provide exposure to several aspects of business practices, and will also have the opportunity to increase their breadth of experience using electives, and select from a limited number of higher year courses to gain a greater understanding of a feature of the commercial domain. The program has been designed for students whose passion is Science, but who also recognise that awareness of contemporary business practices can be vital in the modern workplace.

**Faculty**

Faculty of Science

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**Campus**

Kensington

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**Study Level**

Undergraduate

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**Typical duration**

3 Years

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**Delivery Mode**

Face-to-face

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**Intake Period**

Term 1, Term 2, Term 3

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**Academic Calendar**

3+ Calendar

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**Minimum Units of Credit**

144

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**Award type**

Bachelors Pass

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**Award(s)**

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

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**UAC Code**

429100

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**CRICOS Code**

077431G

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## Learning Outcomes

1. Research, enquiry 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, and research.

Scholars

Professionals

2. 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.

Global Citizens

Leaders

3. 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.

Professionals

Global Citizens

4. 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

Leaders

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

Professionals

Scholars

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

Global Citizens

Professionals

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## Graduate Capabilities:

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

# Program Structure

Students must complete 144 UOC as a standalone program.

## 96 UOC Science Component

1. An approved Science Major
2. Science Elective Courses

## 48 UOC Business Component

3. 24 UOC Foundation Business Courses
4. 24 UOC of Business Electives. These electives must be chosen from courses offered by the School of Business

## Science Majors

Students must complete exactly one of the specialisations below.

### MAJOR:

ANATA1 | 72 UOC

Anatomy

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BINFBI | 96 UOC

Bioinformatics

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BIOCC1 | 90 UOC

Genetics

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BIOCM1 | 84 UOC

Molecular and Cell Biology

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BIOSG1 | 78 UOC

Ecology

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BIOSJ1 | 78 UOC

Biology

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BIOTA1 | 84 UOC

## Biotechnology

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CHEMA1 | 78 UOC

Chemistry

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FOODH1 | 72 UOC

Food Science

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GEOGG1 | 78 UOC

Geography

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GEOLS1 | 78 UOC

Earth Science

---

MATHM1 | 60 UOC

Mathematics

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MATHN1 | 66 UOC

Physical Oceanography

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MATHT1 | 60 UOC

Statistics

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MATSB1 | 78 UOC

Materials Science

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MICRB1 | 84 UOC

Microbiology

---

MSCIM1 | 78 UOC

Marine and Coastal Science

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NEURS1 | 84 UOC

Neuroscience

PATHA1 | 66 UOC

Pathology

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PHARA1 | 66 UOC

Pharmacology

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PHSLA1 | 66 UOC

Physiology

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PHYSL1 | 78 UOC

Physics

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PSYCA1 | 78 UOC

Psychology

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VISNA1 | 84 UOC

Vision Science

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### **Business Foundation Core Courses**

Students must take 24 UOC of the following courses.

ACCT1501 | 6 UOC

Accounting and Financial Management 1A

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ECON1101 | 6 UOC

Microeconomics 1

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MARK1012 | 6 UOC

Marketing Fundamentals

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MGMT1001 | 6 UOC

Managing Organisations and People

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TABL1710 | 6 UOC

Business and the Law

## Business Electives

Students must take 24 UOC of the following courses.

Students may choose all elective courses from one of the following business discipline areas to gain greater depth or to take courses from multiple discipline areas:

- Management (courses with codes MGMTXXXX)
- Marketing (courses with codes MARKXXXX)
- Business Law (courses with codes TABLXXXX)

Please Note: TABL2712 and TABL2721 are not available to students enrolled in dual award programs with Law (programs 4772 or 4748).

MARK2051 | 6 UOC  
Consumer Behaviour

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MARK2052 | 6 UOC  
Marketing Research

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MARK2053 | 6 UOC  
Marketing Communications and Promotions Management

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MARK2071 | 6 UOC  
International and Global Marketing

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MARK3081 | 6 UOC  
Distribution Strategy and Retail Channels

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MARK3085 | 6 UOC  
Digital Marketing and Web Analytics

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MARK3091 | 6 UOC  
New Product and New Service Development

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MARK3092 | 6 UOC  
Brand Management

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MGMT2002 | 6 UOC  
Managing Business Communication

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MGMT2010 | 6 UOC  
Innovation and Entrepreneurship

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MGMT2105 | 6 UOC  
East Asian Business Enterprise

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MGMT2200 | 6 UOC  
Thinking Skills

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MGMT2718 | 6 UOC  
Human Resource Management

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MGMT2725 | 6 UOC  
Career Management

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MGMT3001 | 6 UOC  
Business and Corporate Strategy

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MGMT3702 | 6 UOC  
International Human Resource Management

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MGMT3721 | 6 UOC  
Negotiation Skills

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MGMT3724 | 6 UOC  
Strategic Human Resource Management

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TABL2712 | 6 UOC  
Business Ethics and the Law

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TABL2721 | 6 UOC  
Business Law in Action



## Science Free Electives

Students must take at least 6 UOC, up to a maximum of 42 UOC of the following courses.

any Anatomy course

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any Computer Science course

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any Food Technology course

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any course offered by Faculty of Science

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any Neuroscience course

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any Pathology course

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any Pharmacology course

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any Physiology 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

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any level 1 Computer Science course

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any level 1 Food Technology course

any level 1 course offered by Faculty of Science

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any level 1 Neuroscience course

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any level 1 Pathology course

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any level 1 Pharmacology course

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any level 1 Physiology course

### **Minimum Level 3 Business UOC**

Students must complete a minimum of 12 UOC from the Business Elective list.

any level 3 Marketing course

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any level 3 Management course

### **Minimum Science UOC**

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

any Anatomy course

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any Computer Science course

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any Food Technology course

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any course offered by Faculty of Science

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any Neuroscience course

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any Pathology course

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any Pharmacology course

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[any Physiology course](#)

## **Business UOC Requirement**

Students must enrol in at least 6 UOC and no more than 18 UOC of Business courses in their first 48 UOC of study

## **Sample Programs**

To access sample program(s), please visit:

[Sample Science Programs](#)

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## **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 Double Degree Programs

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

Bachelor of Laws - **LLB**

**4772 Science and Business / Law**

Faculty: Faculty of Law, Faculty of Science

Campus: Kensington

Units of Credit: 288

Typical Duration: 6 Years

[Read More](#)

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# 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.

## **Progression Requirements**

Progression rules are in accordance with university policy.

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**

Brand manager in science-focused company, sales and technical specialist in biomedical organisation, communications officer in science-based government department, human resources manager in a biotechnology company, governance officer of therapeutic goods, product development manager at large-scale food manufacturer, market research analyst, finance portfolio optimisation, ethics officer.



# **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**

### **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)

CRICOS Provider Code 00098G

ABN: 57 195 873 179