UNIVERSITY OF CANBERRA

Bachelor of Sport and Exercise Science/Bachelor of Information Technology (277JA.2)

Please note these are the 2017 details for this course

Domestic students

Selection rank	ATAR TBC
Delivery mode	On campus
Location	
Duration	4.0 years
Faculty	Faculty of Health
Discipline	Academic Program Area - Maths & Technology
	Discipline of Sport and Exercise Science
UAC code	
English language requirements	An IELTS Academic score of 6.0 overall, with no band score below 6.0 (or equivalent).
	View IELTS equivalences

International students

Academic entry requirements	To study at UC, you'll need to meet our academic entry requirements and any admission requirements specific to your course. Please read your course admission requirements below. To find out whether you

meet UC's academic entry requirements, visit our academic entry requirements page.

Delivery mode	On campus
Location	
Duration	4.0 years
Faculty	Faculty of Health
Discipline	Academic Program Area - Maths & Technology Discipline of Sport and Exercise Science
CRICOS code	081003D
English language requirements	An IELTS Academic score of 6.0 overall, with no band score below 6.0 (or equivalent). View IELTS equivalences

About this course

Sport with a twist of Information Technology

Information technology (IT) is an essential tool to assess and improve sporting performance. If you have a passion for IT and sport, this double degree is the perfect blend to kick-start your career.

You will learn how to make effective use of computer systems and information technology in sport and explore the methods of designing and developing new technology and systems to analyse sport performance.

Combine a Bachelor in Exercise and Sport Science with a Bachelor of Information Technology to enrich your career prospects.

Combine a double degree of Bachelor of Sport and Exercise Science with a Bachelor of Information Technology at UC to:

- gain extensive experience in developing IT to address the needs of sporting organisations and individuals
- refine your teamwork, project management and communication skills
- explore the technical and human aspects of IT and its application in sport
- cover a wide range of units across IT, information systems and programming.

Study opportunities

- In your final year, you will have the chance to complete a team project, producing and implementing an IT system within a sporting organisation.
- An IT degree is accredited by the Australian Computer Society (ACS), at the professional level.

Career opportunities

Our graduates make valuable contributions to:

- the business of sporting organisations, developing and using IT-based systems
- equipment and software suppliers in designing programs to enhance elite sporting individuals and teams
- specialist consulting groups within sports and related industries
- coaching children and adults
- coaching resources and facilities
- sport development in government bodies and across urban and regional localities.

Further postgraduate studies can lead you to the following careers:

- sports psychologist
- coach
- sport director
- sport and exercise scientist.

The University of Canberra is committed to building a strong and sustainable Aboriginal and Torres Strait Islander sporting industry and health workforce. If you are an Aboriginal and Torres Strait Islander person looking to study this course, please contact Rachel Harrigan, Faculty of Health General Manager, (02) 6201 2608.

Professional accreditation

A number of sport and exercise science related industry qualifications are available to students on completion of appropriate units. Please contact the course convenor for more details.

Admission requirements

Normal UC requirements for admission to an undergraduate course.

Additional admission requirements

Refer to individual courses.

Assumed knowledge

Refer to individual courses.

Periods course is open for new admissions

This course is not open for new admissions.

Credit arrangements

There are currently no formal credit transfer arrangements for entry to this course. Any previous study or work experience will only be considered as part of the application process in accordance with current course rules and university policy.

Course requirements

Bachelor of Sport and Exercise Science/Bachelor of Information Technology (277JA) | 96 credit points

Sport and Exercise Science - 48 credit points as follows

Major in Human Movement (MJ0261) | 21 credit points

Required - Must pass 21 credit points as follows

Biomechanics 1 (6834) | 3 credit points — Level 2

Biomechanics 2 (6835) | 3 credit points — Level 3

Performance Analysis in Sport (8390) | 3 credit points — Level 3

Motor Control and Skill Acquisition (8913) | 3 credit points — Level 2

Regional Anatomy and Physiology (9808) | 3 credit points — Level 1

Exercise Programming and Prescription 1 (9811) | 3 credit points — Level 1

Exercise Programming and Prescription 2 (9812) | 3 credit points — Level 2

Required Units - Must pass 27 credit points as follows

Systemic Anatomy and Physiology (6529) | 3 credit points — Level 1

Introduction to Statistics (6540) | 3 credit points — Level 1

Sports Medicine (6839) | 3 credit points — Level 3

Human Growth and Development G (8362) | 3 credit points — Level G

Physiology of Exercise 1 (8391) | 3 credit points — Level 2

Physiology of Exercise 2 (8392) | 3 credit points — Level 3

Research and Professional Practice Part A (6cp) (9813) | 0 credit points — Level 3

Research and Professional Practice Part B (9814) | 9 credit points — Level 3

Information Technology - 48 credit points as follows

Major in Software Engineering (BIT) (Restricted) (MJ0107) | 18 or 21 credit points

For the 21cp Major - 21 credit points as follows

Required - Must pass 12 credit points as follows

Introduction to Information Technology (4478) | 3 credit points — Level 1

Software Technology 1 (4483) | 3 credit points — Level 1

Web Design and Programming (7175) | 3 credit points — Level 2

Software Systems Architecture (8745) | 3 credit points — Level 2

Restricted Choice - 9 credit points as follows

Part A - Must pass 3 credit points from the following

Object Oriented Software Design (7165) | 3 credit points — Level 3

Computer and Network Security (8019) | 3 credit points — Level 3

Part B - Must pass 3 credit points from the following

Mathematical Methods (577) | 3 credit points — Level 1

Discrete Mathematics (6698) | 3 credit points — Level 1

Part C - Must pass 3 credit points from the following

Software Technology 2 (7170) | 3 credit points — Level 2

Mobile Technologies (8878) | 3 credit points — Level 2

For the 18cp Major - 18 credit points as follows

- Note: Students in a double degree with Sport Coaching & Exercise Science, Sport & Exercise Science or Commerce must do this version of the major (i.e. do not do the Restricted Choice Part B unit).

Required - Must pass 12 credit points as follows

Introduction to Information Technology (4478) | 3 credit points — Level 1

Software Technology 1 (4483) | 3 credit points — Level 1

Web Design and Programming (7175) | 3 credit points — Level 2

Software Systems Architecture (8745) | 3 credit points — Level 2

Restricted Choice - 6 credit points as follows

Part A - Must pass 3 credit points from the following

Object Oriented Software Design (7165) | 3 credit points — Level 3

Computer and Network Security (8019) | 3 credit points — Level 3

Part C - Must pass 3 credit points from the following

Software Technology 2 (7170) | 3 credit points — Level 2

Mobile Technologies (8878) | 3 credit points — Level 2

Major in Information Systems (BIT) (Restricted) (MJ0057) | 18 credit points

Required - Must pass 15 credit points as follows

Database Design (5915) | 3 credit points — Level 1

Information Systems in Organisations (6348) | 3 credit points — Level 1

Systems Analysis and Modelling (6365) | 3 credit points — Level 2

Document and Workflow Management (6388) | 3 credit points — Level 3

Systems Project and Quality Management (7173) | 3 credit points — Level 3

Note:

- From 2019 the unit code for 6365 Systems Analysis and Modelling has changed to 11486.

Restricted Choice - Must pass 3 credit points from the following

Designing Human-Computer Interaction (6389) | 3 credit points — Level 2

Corporate Strategy and IT Governance (9276) | 3 credit points — Level 3

Required Units - Must pass 12 credit points as follows

Information Technology Project (7164) | 6 credit points — Level 3

Security and Support in IT (7167) | 3 credit points — Level 2

Professional Practice in IT (7722) | 3 credit points — Level 1

- Students in the double degree will not do 6698 Discrete Mathematics or 7089 Mathematics for Information Sciences.

In addition to course requirements, in order to successfully complete your course you must meet the inherent requirements. Please refer to the inherent requirements statement applicable to your course

Typical study pattern

UC - Canberra, Bruce

Standard Full Time, Semester 1 Commencing

Year 1

Semester 1

Information Systems in Organisations (6348)

Introduction to Information Technology (4478)

Introduction to Statistics (6540)

Regional Anatomy and Physiology (9808)

Semester 2

Database Design (5915)

Professional Practice in IT (7722)

Software Technology 1 (4483)

Systemic Anatomy and Physiology (6529)

Year 2

Semester 1

Designing Human-Computer Interaction (6389)

Exercise Programming and Prescription 1 (9811)

Physiology of Exercise 1 (8391)

Software Technology 2 (7170)

Semester 2

Exercise Programming and Prescription 2 (9812)

Physiology of Exercise 2 (8392)

Systems Analysis and Modelling (6365)

Web Design and Programming (7175)

Year 3

Semester 1

Biomechanics 1 (6834)

Document and Workflow Management (6388)

Human Growth and Development G (8362)

Motor Control and Skill Acquisition (8913)

Semester 2

Biomechanics 2 (6835)

Security and Support in IT (7167)

Software Systems Architecture (8745)

Sports Medicine (6839)

Year 4

Semester 1

Object Oriented Software Design (7165)

Research and Professional Practice Part A (6cp) (9813)

Systems Project and Quality Management (7173)

Semester 2

Information Technology Project (7164)

Performance Analysis in Sport (8390)

Research and Professional Practice Part B (9814)

Course information

Course duration

Standard eight semesters full-time or equivalent. Maximum twenty semesters.

Learning outcomes

Learning outcomes	Related graduate attributes
Academic training for academic pathways into masters programs	1. Communication (a-e)
	2. Information literacy and numeracy
	3. Information and communication technology
	4. Problem solving (a-e)

	5. Working with others (a-f)
	7. Professional ethics (a-b)
	8. Social responsibility (a-d)
	9. Life long learning (a-d)
	10. Personal attributes (a-e)
Eligibility for membership to the Australian Association for Exercise and Sport science	1. Communication (a-e)
	2. Information literacy and numeracy
	3. Information and communication technology
	4. Problem solving (a-e)
	5. Working with others (a-f)
	6. Effective workplace skills (a-c)
	7. Professional ethics (a-b)
	8. Social responsibility (a-d)
	9. Life long learning (a-d)
	10. Personal attributes (a-e)
Academic training for employment in the coalface delivery of sport and information systems	1. Communication (a-e)
	2. Information literacy and numeracy
	3. Information and communication technology
	4. Problem solving (a-e)
	5. Working with others (a-f)
	6. Effective workplace skills (a-c)

	7. Professional ethics (a-b)
	8. Social responsibility (a-d)
	9. Life long learning (a-d)
	10. Personal attributes (a-e)

Majors

- Major in Human Movement (MJ0261)
- Major in Software Engineering (BIT) (Restricted) (MJ0107)
- Major in Information Systems (BIT) (Restricted) (MJ0057)

Awards

Award	Official abbreviation
Bachelor of Information Technology	BIT
Bachelor of Sport and Exercise Science	B Sp&ExSc

Honours

Refer to individual courses.

Enquiries

Student category	Contact details
Prospective students	Email study@canberra.edu.au or Phone 1800 UNI CAN (1800 864 226)
Current and Commencing Students	Please contact the Faculty of Health faculty office, email health.student@canberra.edu.au
Prospective International Students	Email international@canberra.edu.au or Phone +61 2 6201 5342

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