

Bachelor of Information Technology



Future-proof your career by completing Australia's first IT degree that's been co-designed and co-delivered by industry leaders



Welcome to Federation University Australia

We're thrilled that you've taken the first step towards completing a degree with Federation University. Whatever your passion or career goals, Federation has everything you need to make your mark in the world.

Reasons to choose Federation University

TOP 200	Young Universities in the World ¹
TOP 300	Universities worldwide for Sustainable Development Goals ²
TOP 400	Universities worldwide for Engineering and Technology ³
#1	in Victoria for Undergraduate Starting Salary ⁴
5/5 RATING	Excellence in Research⁵ Federation was rated at or above world standard in 80% of our submitted Fields of Research
	Affordable tuition fees and great scholarships available
	High quality , personalised teaching and dedicated international student support
	Industry integrated learning with opportunities for real life projects with industry leaders

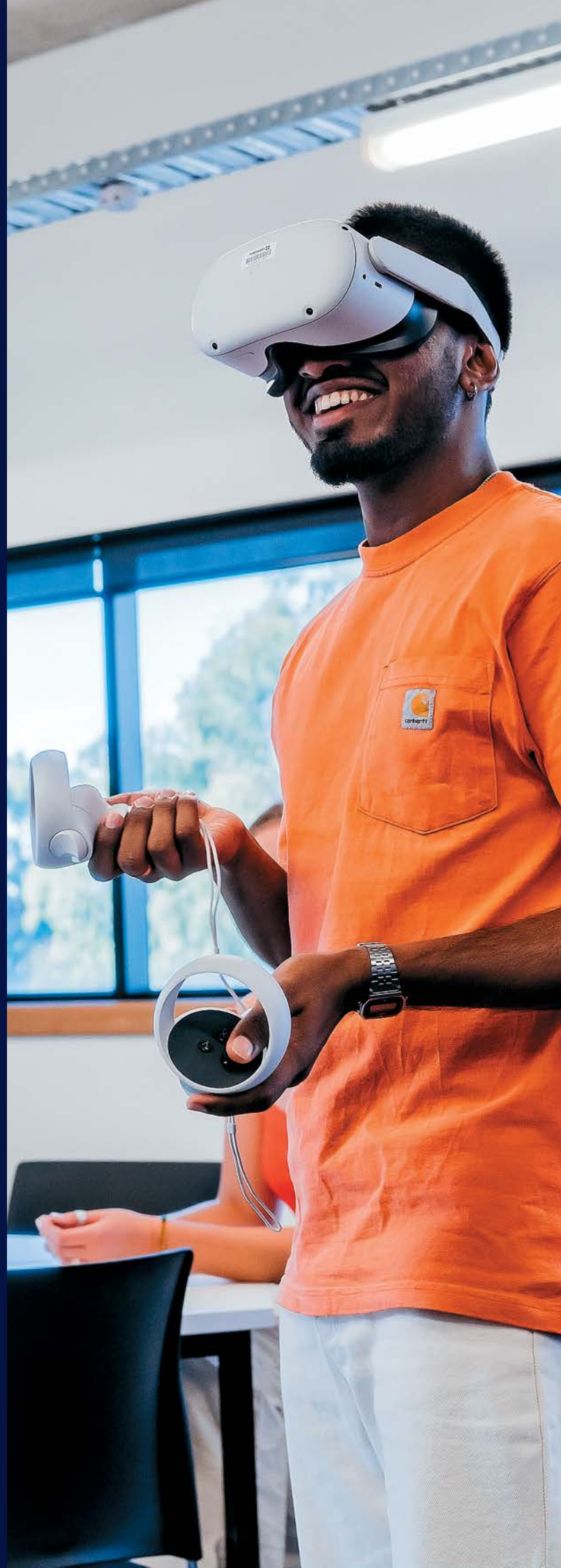
1 Times Higher Education (THE) Young University Rankings 2023

2 Times Higher Education (THE) World University Impact Rankings 2023

3 Times Higher Education (THE) World University Rankings by Subject 2023

4 The Good Universities Guide 2024

5 Excellence in Research Australia, 2018 National Report



Welcome to the Institute of Innovation, Science and Sustainability

Businesses are facing unprecedented challenges posed by digital disruption, combined with transformative opportunities through the rapid adoption of new technologies. Whether you're looking to enter the corporate world, nurture your entrepreneurial spirit or secure a promotion – there has never been a more exciting time to start a career in information technology.

Federation University's Institute of Innovation, Science and Sustainability (IISS) delivers contemporary information technology degrees, designed to meet the needs of industry now and long into the future. Incorporating teachings from our expert academics and industry leaders, you will develop your skills in the classroom and put them into practice through real-world projects, simulations and placements.

We ensure that every Bachelor of Information Technology graduate is equipped with confidence, knowledge, skills and experience to succeed in their career. That's why Federation University is internationally recognised by employers for producing highly desirable graduates.

Women in STEMM

Federation University is proud of the achievements and contributions of its female researchers, students and staff, and remains committed to supporting gender diversity and equity within the university.

We take a holistic approach to ensuring women have equal access to study, work and pursue research with us at Federation.

We are proudly an Athena SWAN member – the only globally recognised framework for gender equity, diversity and inclusion. In 2020, we achieved SAGE Athena SWAN Bronze Accreditation by promoting gender equity and diversity in Science, Technology, Engineering, Mathematics and Medicine (STEMM).

Visit our website to learn more about this accreditation. ↗
[federation.edu.au/research/women-in-research/sage-athena-swan](https://www.federation.edu.au/research/women-in-research/sage-athena-swan)



Dr Taiwo Oseni

Doctor of Philosophy
(Information Technology)

Dr Taiwo Oseni is an early career Information Systems Lecturer and Researcher at Federation University.

“ My teaching and research interests are in the post-implementation modifications to Enterprise Systems with the aim to achieve effective utilisation of organisational technology. From an Information Systems perspective, I've also recently started investigating the effectiveness of strategic cybersecurity systems that are used in protecting critical information and infrastructure.

In my current role as a lecturer, my career purpose is to enhance lives through knowledge creation, acquisition, and dissemination. As a young woman in STEM, I take active interest in encouraging young girls into STEM through mentorship, school visits, social events, and industry-sponsored camps for girls. ”



What to expect

Our Bachelor of Information Technology will see you:

- gain a **deep knowledge of interdisciplinary areas** of IT, including application development, business analysis and cyber security
- apply and understand IT theory and practice, embedded in **diverse industries** such as health, education, government and business
- complete relevant **industry placements and internships**, to gain **work-ready skills**, while also establishing **professional networks** with Federation's industry partners
- graduate from Australia's first Co-operative University with the **practical skills, knowledge, networks** and **confidence** to contribute to one of the most progressive industries in the world.

Our Bachelor of Information Technology is a contemporary, broad-based qualification, that allows students to choose from a wide range of interdisciplinary study areas to help you achieve your career goals.

Students will complete a common first year by studying foundational courses in data and analytics, mobile and game development, IT problem solving, cloud and enterprise computing and networking and security – critical for success in the IT sector. Upon completing your first year of study, you'll have the flexibility to tailor your degree by selecting to specialise in one of the following majors:

- **Big Data and Analytics**
- **Business Information Systems**
- **Networking and Security**
- **Software Development**

We also equip you with transferrable skills in critical thinking, leadership, digital literacy, interpersonal skills, and entrepreneurship that are tailored to emerging and current industry trends.

What's in the detail?

CRICOS

074009A

INTAKES

Semester 1 (February)
Semester 2 (July)

CAMPUSES

Mt Helen (Ballarat)
Berwick (Melbourne)
Gippsland
Online

DURATION

3 years full time (360 credit points)

FEES (ANNUAL)

\$26,350

New international students may be eligible for a tuition fee scholarship.

[federation.edu.au/current-students/starting-at-federation/scholarships/international-scholarships](https://www.federation.edu.au/current-students/starting-at-federation/scholarships/international-scholarships) ↗

ACCREDITATION

This course holds professional level accreditation with the Australian Computer Society (ACS) ↗



Victor, Spain

Bachelor of Information Technology

“ I really appreciate the flexibility and choice of subjects offered within the Bachelor of Information Technology which allowed me to follow my hobbies of gaming and programming. I have had a lot of practical learning during my studies, which has set me up for a career in IT – there is no better career in my opinion! ”

Sample course plan

Year One

COMMON FIRST YEAR		
S1	Communications and technology	Understanding the digital revolution
	IT problem solving	Networking and security
S2	Big data and analytics	Mobile development fundamentals
	Cloud and enterprise computing	Game development fundamentals

Year two and three – Study options by specialisation

BIG DATA AND ANALYTICS (CRICOS CODE 092056M)		
	YEAR 2	YEAR 3
SEMESTER 1	Systems modelling	User experience
	Web design	Business analytics and decision support
	Data analytics	Project 1
	Elective (15 credit points)	Elective (15 credit points)
SEMESTER 2	Data modelling	Data visualization
	IT project management techniques	Professionalism and entrepreneurship
	Big data management	Project 2
	Elective (15 credit points)	Elective (15 credit points)

BUSINESS INFORMATION SYSTEMS (CRICOS CODE 092106F)		
	YEAR 2	YEAR 3
SEMESTER 1	Systems modelling	User experience
	Web design	Business analytics and decision support
	Emerging information systems	Project 1
	Elective (15 credit points)	Elective (15 credit points)
SEMESTER 2	Data modelling	IT strategy and governance
	IT project management techniques	Professionalism and entrepreneurship
	Analysing the modern business	Project 2
	Elective (15 credit points)	Elective (15 credit points)

NETWORKING AND SECURITY (CRICOS CODE 092055A)		
	YEAR 2	YEAR 3
SEMESTER 1	Systems modelling	User experience
	Web design	Information security
	Network architecture and design	Project 1
	Elective (15 credit points)	Elective (15 credit points)
SEMESTER 2	Data modelling	Cloud and mobile security
	IT project management techniques	Professionalism and entrepreneurship
	Mobile networks and wireless communications	Project 2
	Elective (15 credit points)	Elective (15 credit points)

SOFTWARE DEVELOPMENT (CRICOS CODE 092108D)		
	YEAR 2	YEAR 3
SEMESTER 1	Systems modelling	User experience
	Web design	Dynamic web development
	Agile coding	Project 1
	Elective (15 credit points)	Elective (15 credit points)
SEMESTER 2	Data modelling	Data structures and algorithms
	IT project management techniques	Professionalism and entrepreneurship
	Software engineering	Project 2
	Elective (15 credit points)	Elective (15 credit points)

Course details, fees and sample structures are subject to variation. For the most up to date information, visit our Course Finder website, study.federation.edu.au

Industry connections

Put your dream career in reach

Our Bachelor of Information Technology is one of the flagship programs re-designed under our **Australia-first Co-operative Education Mode** (Co-op Model).

Federation's Co-op Model harnesses the power of industry and community to co-develop and co-deliver courses that equip and empower students to succeed in today's fast-moving employment landscape.

Our Bachelor of Information Technology has been developed with guidance from industry partners, including global industry leader IBM®, and is accredited by the Australian Computer Society. The course provides students with real-world, practical learning opportunities and skills, embedding placements with industry-leading organisations and multi-disciplinary team projects in the course. Students will also benefit from guest lectures delivered by renowned individuals. These opportunities under the co-operative learning model don't simply prepare you for your career in IT, but also develops your transferable skills that translate to multiple industries.



Michelle, Indonesia

Bachelor of Information Technology (Professional Practice)

“ I chose Federation because of the IBM connection, the wide range of IT degrees and the University's excellent reputation for teaching quality and student support. The best part of my degree is the amazing internship opportunity – I get to spend a large part of my second and third years doing a sponsorship-funded placement at the IBM offices in Ballarat. Working at IBM is incredible! I've gained so much experience and knowledge from people in the industry, which is really beneficial for my future career. ”

Entry and application information

Entry requirements

To be eligible for this course students must have successfully completed:

- An Australian **Year 12 Certificate** (or equivalent); and
- **Academic IELTS overall score of 6.0**, with no bands less than 5.5 (or equivalent)

For more information on satisfying English language requirements, including accepted test programs, please visit [this link](https://www.federation.edu.au/english-language-requirements) ↗ **federation.edu.au/english-language-requirements**

Once you have submitted your application, you will be assessed against the course requirements and for available pathways and scholarships.

Pathways designed specifically for you

If you have not met the entry requirements for this course, don't worry. With a range of pathways now available, you can be studying at Federation University sooner than you think.

Foundation Studies

(CRICOS Code 110818J)

This pre-university course is designed for international students to meet the requirements needed to join a higher education diploma or fast-track your way directly into the first year of a Bachelor degree. Develop your English and academic skills in a supportive environment, undertaking a broad selection of courses to gain insight into what we provide.

Find out more ↗

study.federation.edu.au/course/DGFO

English Language courses

(CRICOS Code 113565A)

Students who do not meet the English language requirements for this course may be eligible to complete our General English or English for Academic Preparation (EAP) courses. These courses have been newly designed to equip you with the English speaking, reading, writing and listening skills needed to be successful in your university studies. Depending on your English level, the Admissions team will package the appropriate pathway option together with your chosen degree.

Find out more ↗

2024 course information will become available soon. To learn more, visit study.federation.edu.au/area/pathways

Diploma of Information Technology (Higher Education)

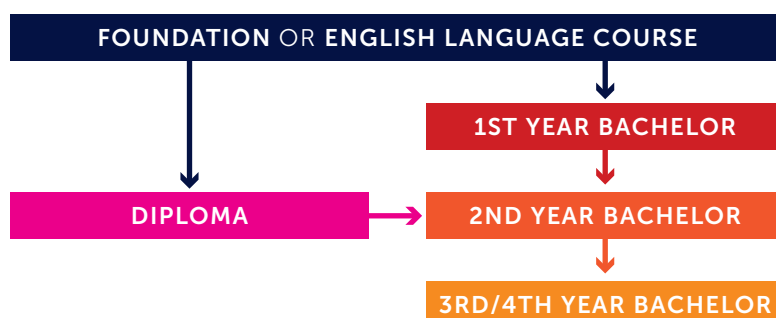
(CRICOS Code 109402K)

For guaranteed entry into the second year of our Bachelor of Information Technology, complete our globally recognised Diploma of Information Technology (Higher Education). This course will equip you with an array of IT skills, with a focus on fundamentals of software development, problem solving, networking and security. Delivered across two semesters, you'll complete foundational courses from the first year of the Bachelor of Information Technology course in small classrooms with additional English support services and more one on one time with lecturers.

Find out more ↗

study.federation.edu.au/course/DGC1

Your pathway journey



Scholarships

Studying in Australia just became more affordable

At Federation University Australia, we're driven to make a real difference to the lives of every student who studies with us.

Our scholarships help ease the financial stress of commencing study at a university, especially for international students who are moving to Australia. From accommodation support to tuition fee discounts and research grants, we offer a range of scholarships to help you start studying sooner.

Visit our website to learn more about available scholarships, terms and conditions, eligibility criteria, and how to apply.

Find out more ↗

federation.edu.au/scholarships

Feel supported to succeed

We understand that choosing to study abroad is both an exciting and challenging time. Help at Federation University is readily available – be it support with your English, understanding your assignments, or finding someone to talk to about personal life concerns. No matter the challenge, our range of student-focused services enables international students to develop skills, knowledge and confidence in a supportive environment that is united in your ambition to succeed.

Some of our support services include:

	English Language Support Service
	Libraries and Learning Skills Advisory
	Counselling
	International Student Employability
	International Student Advisory
	Spiritual facilities
	Support for students with disabilities
	Sports and clubs

Roderich, Indonesia

Bachelor of Information Technology graduate

“ Studying in Ballarat was a great experience. Being in a regional city, there weren't many Indonesians around, so I made friends with lots of local and other international students. I had to speak English all the time, and that really improved my understanding, not only of the language, but also of Australian culture.

People in Ballarat were really welcoming. We spent a lot of time outdoors, playing sport, having barbecues, lazing around in parks, and I really enjoyed that lifestyle. The campus is surrounded by nature, but Federation University also has great connections with major companies, and senior staff from the Ballarat offices of IBM often guest-lectured on my degree.

The course was very focused and the teaching quality was great, but it's the soft skills that I learned at Federation that really helped me to build a career here. ”

Your next steps

Whether you're applying directly or via an agent, just follow these simple steps



Step 1

FIND YOUR COURSE

Find the Federation University course you wish to study

- For undergraduate and postgraduate courses visit study.federation.edu.au
- Check you meet the academic entry requirements
- Check you meet the English language requirements
- Check for any essential requirements that you need to complete in addition to your application.

Essential requirements may include auditions, tests or interviews.



Step 2

APPLY

- International students or their agents must apply through the **StudyLink** online application system
Visit federation.edu.au/international/study-at-federation/apply
- Follow the instructions and ensure you have attached all relevant supporting documents.
- Details of documentation required is available at federation.edu.au/international/prepare

Note: Be aware of cut off dates.



Step 3

ASSESSMENT

Your application will be assessed by our team

- English language requirements
- Academic entry requirements
- Scholarships



Step 4

OFFER MADE

Congratulations!

You will be sent an International Student Offer and Acceptance Pack that includes:

- Letter of Offer
- Information for accepting your offer
- GTE and/or financial assessment forms*

Refer federation.edu.au/SSVF for more information.

*International students may be required to complete a pre-visa screening process as a condition of their offer under the requirements of the Simplified Student Visa Framework (SSVF). The requirements will depend on a number of factors.



Step 5

ACCEPTANCE AND PAYMENT

Once you have provided all documentation and met all conditions, sign the acceptance of your offer letter and pay the required fees.

We will then issue you with an electronic Confirmation of Enrolment (CoE).

Note: Payments to Federation must be made via Convera GlobalPay through your StudyLink application.



Step 6

VISA APPLICATION WITH COE

You will need your CoE to apply for your Australian student visa.

More information on the visa application process is available at immi.homeaffairs.gov.au

Note: Make sure you plan in advance to get your visa in time.



Step 7

PREPARE TO ARRIVE

We will send you an International Student Support Guide to help you understand what to expect.

FLIGHTS

Make sure you arrive in time to attend the compulsory International Student Orientation Program that is held in the weeks before semester commences.

ACCOMMODATION

Check out the offers from FedLiving – on-campus accommodation in Ballarat, Berwick and Gippsland.



Federation.edu.au
International phone:
+61 3 5327 9018

#feduni/ 
feduniaustralia

Disclaimer: Information contained in this brochure was correct at the time of publication (November 2023). Federation University Australia reserves the right to alter any course, procedure or fee, as deemed necessary. Prospective students should confirm course information by visiting federation.edu.au and vtac.edu.au or by contacting the University directly. Produced by the Global Professional School, Federation University Australia. Federation University Australia courses are delivered with Victorian and Commonwealth Government funding to eligible applicants. CRICOS Provider No. 00103D | RTO Code 4909 | TEQSA No. PRV12151 (Australian University), CC_011123