



KIHE

Kingsford Institute
of Higher Education

Provider ID: PRV14399 | **CRICOS Code:** 04352K

DEAN'S WELCOME



Welcome to Kingsford Institute of Higher Education.

If you are exploring KIHE, you are likely serious about building a future in technology (not just studying it but shaping it). That is precisely how we think about education here.

Technology is not an add-on to our curriculum. It is the organising principle. Our programs are designed around the realities of a world defined by artificial intelligence, machine learning, cybersecurity and intelligent systems. These are not abstract concepts tucked into a final-year elective. They are embedded throughout the student experience, so you graduate not simply knowing about emerging technologies, but confident in applying them.

The digital economy does not reward passive learners. It rewards people who can think clearly, adapt quickly and work intelligently with both systems and people. At KIHE, we combine technical depth with disciplined thinking. We expect curiosity. We encourage rigorous questioning. And we support you in developing the professional judgement required in a rapidly changing sector.

Our academic team brings real-world insight into the classroom. We focus on practical capability, industry relevance and intellectual integrity. The goal is simple: to prepare you to contribute meaningfully to the technology professions, whether that is in Australia or internationally.

Higher education should do more than deliver a qualification. It should expand your capacity to analyse, to build, to lead, and to keep learning long after graduation. That is the standard we hold ourselves to.

As you begin your journey with us, engage fully. Ask questions. Use the support structures around you. Take ownership of your development. There is no such thing as an irrelevant question, only missed opportunities to deepen understanding.

I encourage you to explore our website, review our programs carefully, and connect with our team. If you would like to speak with us directly, please contact 1800 544 300, or email me at dean@kihe.nsw.edu.au

I look forward to welcoming you personally to KIHE.

Emeritus Professor Clive Smallman
Dean, Kingsford Institute of Higher Education

BACHELOR OF INFORMATION TECHNOLOGY

CRICOS Course Code: 117720G

Supercharge your IT career by unlocking the vital knowledge, skills and strategies surrounding the development and application of information technologies.

The Course

Kingsford Institute of Higher Education (KIHE) proudly introduces our newly accredited Bachelor of Information Technology (BIT) program, designed to meet the burgeoning demand for skilled IT professionals in today's digitised world.

Developed with meticulous attention to detail and undergoing rigorous rounds of expert review, this program is offered in Sydney, marking a significant milestone in IT higher education. In an era where Information Technology underpins every aspect of business, the BIT program is tailored to empower future professionals with the specialised knowledge and skills essential for navigating and leading in competitive markets.

The decision to launch the BIT stems from both current trends and forward-looking projections indicating a robust employment growth within the IT sector in Australia and globally. This growth is accompanied by a significant shortfall of IT professionals, a gap that our program aims to fill. Insights from Australia's Digital Pulse reports for 2021 and 2022 highlight a 7.0% growth in ICT-related occupations and predict an average annual growth rate of 5.5% in the technology workforce through 2027. This underscores the critical need for IT education that not only addresses current shortages but also anticipates the evolving demands of the technology landscape.

Our Bachelor of Information Technology is comprehensive, covering key areas such as computational theory, computer programming, systems analysis, data management, networking, artificial intelligence, cybersecurity, and data analysis. This robust curriculum ensures that graduates are not only versed in the theoretical underpinnings of the discipline but also possess the practical skills to apply their knowledge in real-world contexts. The program aims to cultivate well-rounded professionals equipped with cognitive skills, decision-making abilities, effective communication strategies, and a deep understanding of their personal and professional responsibilities.

As part of the course structure, students have the opportunity to deepen their knowledge and skills in a chosen area by selecting units from one of the following streams:

- **Cyber Security**
- **Data Analytics**

Graduates of the BIT program are poised to enter a variety of IT-related fields, including software development, database management, network administration, cybersecurity, and data analysis. With a focus on developing industry-relevant skills and knowledge, KIHE's BIT program positions its graduates for success and leadership in the dynamic and rapidly evolving IT industry. We are excited to offer this program as a pathway for aspiring IT professionals to achieve their career goals and contribute meaningfully to the technology-driven future.

Accreditation

Our degree program is accredited by Australia's Tertiary Education Quality and Standards Agency (TEQSA) and fully aligned with the AQF (Australian Qualifications Framework).

Once the program is fully established, KIHE will seek accreditation from the Australian Computer Society.

Admission Requirements

Applicants must have successfully completed:

- Year 12 in Australia with a minimum ATAR (or equivalent) of 60; OR
- The equivalent to an Australian Year 12 at a recognised overseas institution with an equivalent minimum ATAR of 60; OR
- A Certificate IV (AQF 4) or higher awarded by a recognised higher education/ vocational institution; OR
- A General Certificate of Education Advanced Level (GCE A) with three or more C Grades; OR
- A Global Assessment Certificate with an average Grade of 65% or higher; OR
- An International Baccalaureate.

English language requirements for Bachelor of Information Technology entry:

- IELTS Academic: overall band score of 6.0 or better with no band below 5.5; OR
- IBT (Internet-based TOEFL): overall score of 75 with a writing section minimum of 17; OR
- Cambridge Certificate of Proficiency in English (CPE): Grades A, B, C and C1; OR
- Cambridge Certificate of Advanced English (CAE): total score of 52 or over; OR
- English for Academic Purposes (EAP 2): Grade A or Grade B; OR
- PTE Academic Module with score over 51; OR
- Certificate IV in ESL.

The English language qualification must be less than two years old.

Applicants who have lived in an English-speaking country and do not automatically meet the above English Language proficiency requirements are considered case-by-case.

Applicants who do not meet the Institute's English proficiency requirements can be made a conditional offer, requiring them to complete an approved intensive English language course before commencing their course.

Mathematics requirements for Bachelor of Information Technology entry:

- Successful completion of a mathematics unit (or equivalent) from either a secondary or postsecondary education provider (the post-secondary education provider must be listed in the Australian Government Country Education Profiles), OR
- Successful completion of the KIHE's Tertiary Education Mathematics Test with a minimum score of 50%.

KIHE's Tertiary Education Mathematics Test covers numbers, algebra, data & graphs, probability, and statistics.

All students will attempt this test in the beginning of their first study period to identify those who may require additional support in mathematics.

What you will Study

Code	Name	Credit Points	Type	Pre-requisite(s)
Year 1				
BUS501	Communication Skills	10	Core	Nil
ICT501	Foundations of Information Technology	10	Core	Nil
ICT502	Principles of Programming	10	Core	Nil
	Elective 1 (E1)			
ICT503	Database Design and Development	10	Core	Nil
ICT504	Networking Systems	10	Core	Nil
ICT505	Cyber Security	10	Core	ICT501, ICT504 (Co-req)
	Elective 2 (E2)			
Year 2				
ICT601	Data Analytics	10	Core	ICT502
	Elective 3 (E3)			
	Elective 4 (E4)			
ICT604	Systems Analysis and Design	10	Core	ICT501
ICT605	Cloud Computing	10	Core	ICT504
ICT606	IT Project Management	10	Core	ICT604
ICT607	IT Ethics and Professional Practice	10	Core	ICT501
	Elective 5 (E5)			
Year 3				
ICT701	User Experience Design	10	Core	ICT604
ICT702	IT Governance and Risk Management	10	Core	ICT505, ICT607
	Specialised Elective 1 (SE1)			
PRJ701	IT Capstone Project 1	10	Core	ICT606, ICT607 & Completion of at least 16 units
ICT703	Emerging Topics in Information Technology	10	Core	ICT607 & Completion of at least 16 units
	Specialised Elective 2 (SE2)			
	Specialised Elective 3 (SE3)			
PRJ702	IT Capstone Project 2	10	Core	PRJ701

Code	Name	Credit Points	Type	Pre-requisite(s)
Recommended Electives				
MAT501	Statistics (E1)	10	Elective	Nil
BUS502	Design Thinking (E2)	10	Elective	BUS501
ICT602	Web Application Development (E3)	10	Elective	ICT502, ICT503
ICT603	Artificial Intelligence (E4)	10	Elective	ICT501, ICT502
BUS601	Digital Transformation and Innovation (E5)	10	Elective	ICT501

Code	Name	Credit Points	Type	Pre-requisite(s)
Specialised Electives - Cyber Security Stream				
ICT711	Advanced Cyber Security (SE1)	10	Elective	ICT505, ICT607
ICT712	Cloud Security and Privacy (SE2)	10	Elective	ICT505, ICT605, ICT607
ICT713	Digital Forensics (SE3)	10	Elective	ICT505, ICT607

Code	Name	Credit Points	Type	Pre-requisite(s)
Specialised Electives - Data Analytics Stream				
ICT721	Big Data (SE1)	10	Elective	ICT601, ICT605
ICT722	Advanced Data Analytics (SE2)	10	Elective	ICT601, ICT607
ICT723	Data Visualisation (SE3)	10	Elective	ICT601

Course Learning Outcomes

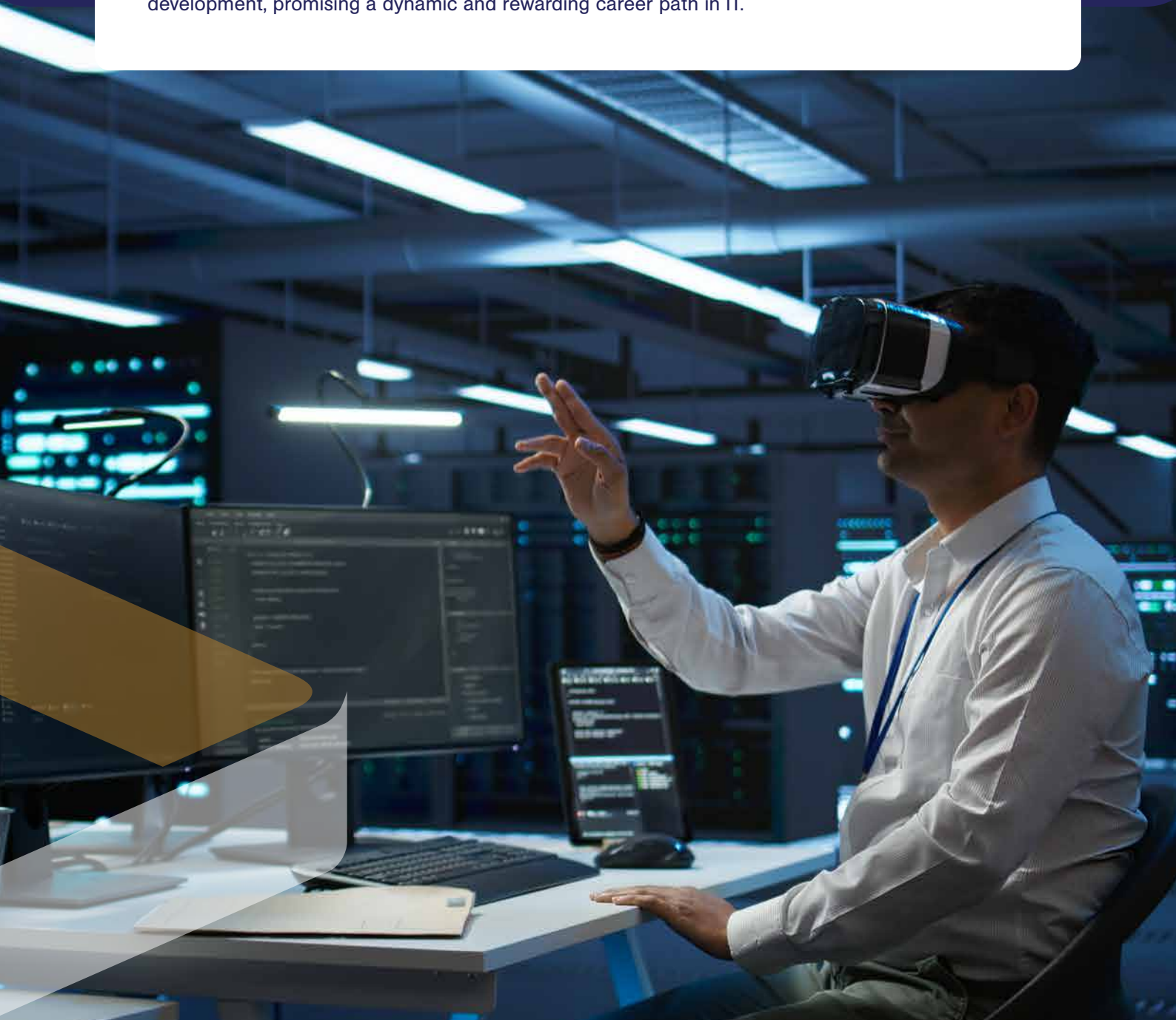
Upon successful completion of the Bachelor of IT, students will have developed:

- Broad and coherent knowledge of various information technology-related fields' theories, concepts, and principles.
- Broad and integrated working knowledge of established and emerging information technologies and their application in various professional settings.
- Integrated contemporary knowledge of information technology ethics, security, and governance standards to make sound and ethical decisions in unpredictable contexts.
- Communication skills to facilitate working effectively with individuals and teams, building successful professional relationships across a diverse group of stakeholders in local and global contexts.
- Skills and experience in applying established and emerging information technologies to solve complex real-world problems.
- Cognitive skills to undertake basic research and analyse and evaluate new information, concepts, and evidence from various scientific, business, industry, and academic sources.

Careers

The future for careers in Information Technology (IT) in Australia and Southeast Asia appears exceptionally bright, driven by rapid technological advancements and digital transformation across industries. The region's strong focus on innovation, coupled with governments' support for digital initiatives, signifies a robust demand for IT professionals. In Australia, the continued growth in tech roles, highlighted by reports like Australia's Digital Pulse, underscores the sector's resilience and expansion, forecasting an increasing need for skilled professionals in cybersecurity, data analysis, AI, and cloud computing.

Similarly, Southeast Asia's burgeoning digital economy, fueled by a young, tech-savvy population and growing internet penetration, presents vast opportunities for IT careers. The region is witnessing a surge in e-commerce, fintech, and digital services, leading to a sharp demand for IT expertise to drive innovation and secure digital infrastructures. As both regions continue to evolve technologically, the need for IT professionals who can navigate the complexities of the digital landscape, innovate, and ensure cyber security will remain a cornerstone of economic growth and development, promising a dynamic and rewarding career path in IT.



MASTER OF INFORMATION TECHNOLOGY

CRICOS Course Code: 121335D

Supercharge your IT career by unlocking the vital knowledge, skills and strategies surrounding the development and application of information technologies.

The Course

Kingsford Institute of Higher Education (KIHE) proudly introduces our newly accredited Master of Information Technology (MIT) program, designed to meet the burgeoning demand for skilled IT professionals in today's digitised world.

In response to the rapid development of the IT sector and the increasing demand for IT professionals in the job market, KIHE presents the Master of Information Technology course. We have created a comprehensive academic program providing students with foundation skills and knowledge in system design & development, software development, data management, networking, cloud computing, machine learning, artificial intelligence, cybersecurity, and data analysis. The design equips students with the necessary skills, knowledge, and experience to meet the industry's needs, enabling them to develop their skills and knowledge in a real-world context and succeed in their careers.

The Master of Information Technology will equip graduates with effective cognitive skills, judgement and decision-making skills, problem solving skills, the ability to communicate effectively with their peers and stakeholders, ability to work effectively in a team, and an awareness of standards in personal and professional responsibility towards their organisation. The course enables graduates to develop the necessary skills and knowledge to pursue a career in various IT-related fields, including but not limited to software development, data management, network administration, cybersecurity, and data analysis.

As part of the course structure, students have the opportunity to deepen their knowledge and skills in a chosen area by selecting units from one of the following streams:

- Cyber Security
- Data Analytics
- Digital Enterprise

Graduates of the Master of Information Technology will be well-prepared to pursue advanced research and academic pathways, including doctoral studies (PhD) in Information Technology, Computer Science, or related fields. They may also undertake specialised professional certifications—such as those in cybersecurity, cloud computing, data analytics, project management, or enterprise architecture—to further enhance their expertise and professional standing. Continuous learning through short courses, industry-recognised credentials, and emerging technology training will support graduates in maintaining a competitive edge in the evolving IT landscape.

Accreditation

Our degree program is accredited by Australia's Tertiary Education Quality and Standards Agency (TEQSA) and fully aligned with the AQF (Australian Qualifications Framework).

Once the program is fully established, KIHE will seek accreditation from the Australian Computer Society.

Admission Requirements

Applicants must have successfully completed:

- A Bachelor degree (AQF level 7 equivalent) or higher in any discipline; OR
- A Bachelor degree (AQF level 7 equivalent) or higher in a relevant discipline. *

* Students with an IT background can potentially be eligible to apply for credit for up to four introductory units, subject to assessment under KIHE's Credit for Prior Learning Policy.

English language requirements for Master of Information Technology entry:

- IELTS Academic: overall band score of 6.5 or better with no band below 6.0; OR
- IBT (Internet-based TOEFL): overall score of 79 with a writing section minimum of 20; OR
- Cambridge Certificate of Proficiency in English (CPE): Grade B; OR
- Cambridge Certificate of Advanced English (CAE): total score of 180 or over; OR
- English for Academic Purposes (EAP 2): Grade A; OR
- PTE Academic Module with score over 58; OR
- Certificate IV in ESL.

The English language qualification must be less than two years old.

Applicants who have lived in an English-speaking country and do not automatically meet the above English Language proficiency requirements are considered on a case-by-case basis.

Applicants who do not meet the Institute's English proficiency requirements can be made a conditional offer, with a requirement to complete an approved intensive English language course prior to commencing their course.

Mathematics requirements for Master of Information Technology entry:

- Successful completion of a mathematics unit (or equivalent) from a postsecondary or higher education provider (the post-secondary or higher education provider must be listed in the Australian Government Country Education Profiles), OR
- Successful completion of the KIHE's Tertiary Education Mathematics Test with a minimum score of 65%.

The KIHE's Tertiary Education Mathematics Test covers numbers, algebra, data & graphs, probability, and statistics.

All students will attempt this test in the beginning of their first study period to identify those who may require additional support in mathematics.

What you will Study

Code	Name	Credit Points	Type	Pre-requisite(s)
Year 1				
ICT801	Database Management Systems	10	Core	Nil
ICT802	Programming	10	Core	Nil
ICT803	Computer Networks	10	Core	Nil
ICT804	Systems Development Life Cycle	10	Core	Nil
ICT805	Data Analytics	10	Core	ICT802
ICT806	Cybersecurity	10	Core	Nil
ICT807	Management Information Systems	10	Core	Nil
ICT808	Web and Cloud Application Development	10	Core	ICT803

Year 2				
ICT901	Professional Practice and Ethics in IT	10	Core	Nil
ICT902	Agile IT Project Management	10	Core	Nil
RES901	Research Methods in IT	10	Core	ICT901 (co-req)
	Specialised Elective 1 (SE1)			
	Specialised Elective 2 (SE2)			
	Specialised Elective 3 (SE3)			
	Specialised Elective 4 (SE4)			
PRJ901	Capstone Project	10	Core	ICT901, RES901 & Completion of at least 8 units

Code	Name	Credit Points	Type	Pre-requisite(s)
Specialised Electives - Cyber Security Stream				
CYB901	Network and Enterprise Systems Security (SE1)	10	Elective	ICT803, ICT806
CYB902	Cybersecurity law, Governance and Compliance (SE2)	10	Elective	ICT806, ICT901
CYB903	Advanced Cybersecurity (SE3)	10	Elective	CYB901
CYB904	Cloud Security and Privacy (SE4)	10	Elective	CYB901

Code	Name	Credit Points	Type	Pre-requisite(s)
Specialised Electives - Data Analytics Stream				
DAT901	Advanced Data Analytics (SE1)	10	Elective	ICT805
DAT902	Big Data Technologies (SE2)	10	Elective	ICT805
DAT903	Applications of Artificial Intelligence and Machine Learning (SE3)	10	Elective	DAT901
DAT904	Visual Analytics (SE4)	10	Elective	DAT901

Code	Name	Credit Points	Type	Pre-requisite(s)
Specialised Electives - Digital Enterprise Stream				
DIG901	Enterprise Systems and Applications (SE1)	10	Elective	ICT807
DIG902	Data Management and Decision Making (SE2)	10	Elective	ICT807
DIG903	Enterprise Architecture and Governance (SE3)	10	Elective	DIG901
DIG904	IT Service Management (SE4)	10	Elective	ICT807

Course Learning Outcomes

Upon successful completion of the Master of IT, students will have developed:

- Advanced technical knowledge and skills in information technology to address real-world problems in diverse contexts.
- Comprehensive and integrated working knowledge of established and emerging information technologies and their application across various professional settings.
- Communication and collaboration skills with stakeholders from various backgrounds, enabling them to work cohesively in teams to achieve shared objectives.
- Problem-solving and critical-thinking skills to critically analyse complex issues, synthesise, and implement effective solutions to solve complex real-world problems.
- Comprehensive understanding of ethical standards and professional practices in all aspects of information technology, demonstrating integrity, responsibility, and accountability in decision-making and behaviour.
- Proficiency in research methodologies and techniques to plan, design, and recommend innovative solutions to complex problems in the evolving field of information technology, coupled with continuous self-learning and improvement to stay abreast of emerging topics and trends.

Careers

Graduates of the Master of Information Technology will possess advanced cognitive, analytical, and problem-solving skills; sound professional judgement; and the capacity to make strategic, evidence-based decisions in complex IT contexts. They will be able to communicate technical and non-technical concepts confidently and persuasively with diverse stakeholders, while demonstrating a strong understanding of ethical, social, and professional responsibilities in the IT domain.

Equipped with a deep, specialised knowledge of information technology and its applications, graduates will be positioned for specialist roles across IT industry in different sectors including technology, finance, healthcare, government, education, and professional services. They will be prepared to contribute to multinational corporations, government agencies, small to medium enterprises, start-ups, and not-for-profit organisations, and will be well-suited for roles that demand advanced technical expertise and strategic thinking in IT.



Credit for Prior Learning

Granting credit for prior learning ensures that students commence study at a level that appropriately recognises their prior learning experiences and are not required to repeat equivalent learning successfully undertaken in another context.

Kingsford Institute of Higher Education has developed open and accessible guidelines to grant credit towards a course of study based on prior learning, whether from formal studies or professional work experience. You can access this policy on the page “About Us”.

This policy maximises the credit students can gain for learning already undertaken and preserves the integrity of learning outcomes or discipline requirements of the award to which it applies.

This policy incorporates the best practice principles outlined in the AQF Qualifications Pathways Policy.



At KIHE, we're not just about imparting knowledge; we're about shaping the future of professionals. Our graduate attributes are a testament to our vision and mission, outlining the essential qualities and capabilities you'll develop with us.



Become “Knowledgeable”: Our graduates are more than just skilled; they’re experts in their fields, equipped with deep, current knowledge and the ability to apply this expertise to the real world challenges.



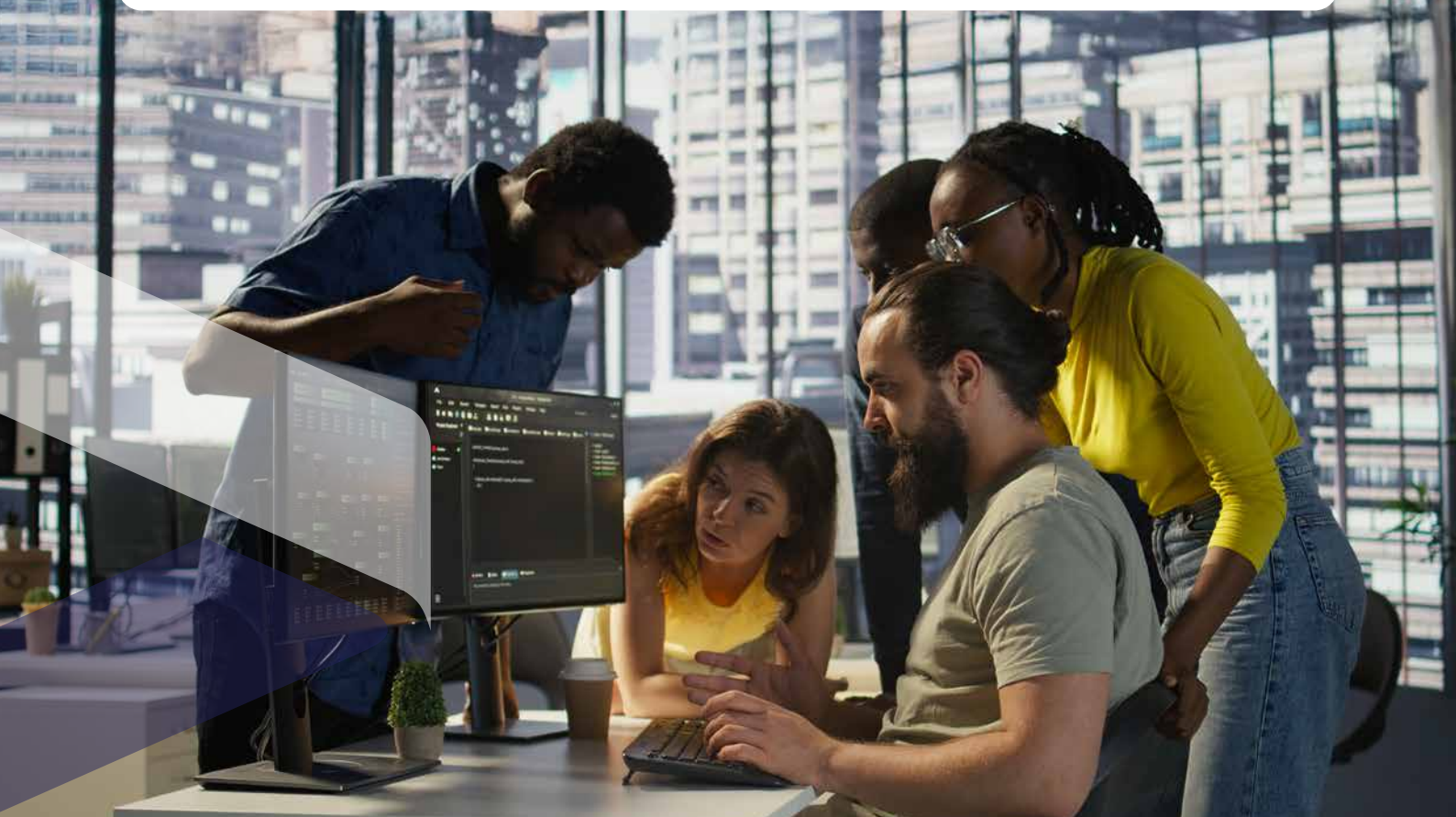
Be “Inspiring”: At KIHE, we nurture leaders who think critically and continue learning throughout their lives, inspiring and influencing those around them.



Embrace “Humane” Values: Our graduates stand out for cultural diversity, including First Nations Peoples. This makes them adept at meaningful, impactful collaboration.



Uphold “Ethical” Standards: We graduate consummate professionals who are not only accountable for environmental, social and governance issues but also navigate these challenges with steadfast integrity.





All relevant tuition fees and charges for the various course levels offered by KIHE are outlined below, with all fees presented in Australian Dollars.

KIHE ensures access to focused IT resources for learning, including campus computers available for student use and access to vital online systems or applications. It's expected that all students will have access to personal computers to support their ongoing studies.

Please note that tuition fees are subject to review and may change during your course. Currently enrolled students will be notified in writing of any tuition fee changes for the upcoming calendar year by November of the preceding year.

You have been provided with our Statement of Tuition Protection, also available at www.kihe.nsw.edu.au/about-us/policies/

Total Course Fees (AUD)

Course	Bachelor of IT	Master of IT
Domestic	\$48,000	\$36,000
International	\$56,745	\$49,200

Other fees:

The following fees may apply in certain circumstances during your course

Type of fee	Amount	When Charged
Application fee	\$250	On application
Reissue lost certification	\$55	On request



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