Forest Stewardship Council (FSC®) is a globally recognised certification overseeing all fibre sourcing standards. This provides guarantees for the controlled sources of timber and ensures that products meet strict environmental, economical and social standards.
Where will postgraduate study lead you?

– Graduate Diploma in Computing

– Master of Information Technology

– Master of Information Technology Management

– Master of Information Technology/Master of Information Technology Management

– Master of Data Science

– Master of Health Technology Innovation

Research

Contact us

sydney.edu.au/ask
1800 SYD UNI (1800 793 864)
+61 2 8627 1444 (outside Australia)
Where will postgraduate study lead you?

Whether you want to gain an edge in your career, change your direction or pursue a passion, the University of Sydney will steer you to places you never imagined.

With hundreds of postgraduate courses on offer, we make it easy for you to tailor a degree to your personal needs and professional goals.

Our coursework and research degrees offer far more than knowledge. You’ll join leading thinkers to challenge the known and explore the unknown in a stimulating environment that encourages both learning and networking.

We give you access to leading lecturers and research supervisors, industry networks, research and teaching centres, and a global network of respected alumni. This is one of the reasons many of our graduates go on to change lives for the better, and why we are regularly ranked in the top 50 universities worldwide. For engineering and technology, the University of Sydney is ranked among the top 30 in the world."

Connected with industry

At the Faculty of Engineering and Information Technologies we understand the importance of working closely with industry. Our courses are designed with industry partners and taught by IT professionals. We collaborate with leaders from across business, industry and academia.

Our expertise and facilities are highly sought after: our students and staff work with many different organisations, including professional services providers such as KPMG. We also collaborate with technology giants including Google, Microsoft, CSIRO’s Data61, Atlassian, Amazon Web Services and Oracle.

"At KPMG, we’re always interested in strong pools of talent. The University of Sydney internship program enables KPMG to tap into a high-calibre cohort of IT students and apply their skills to key projects throughout the organisation."

Mike Cohen
Associate Director, Risk Consulting at KPMG

Flexible options

Many of our programs offer flexible study options that are structured to fit around your professional commitments. They include evening classes, block or intensive mode and online delivery.
Programs

The Faculty of Engineering and Information Technologies offers a range of technology-based degrees suited to your professional goals. These include:

- **Graduate Diploma in Computing.** This course can help you make the transition into a career in IT or enhance your existing career with a technology-based qualification.

- **Master of Information Technology.** This degree suits IT professionals who wish to extend and update their technical knowledge.

- **Master of Information Technology Management.** This degree is for those already working in IT and pursuing a career in management who want to use technology to transform businesses and improve productivity.

- **Combined Master of Information Technology/Information Technology Management.** This degree suits those seeking to deepen their technical skills while developing managerial capability.

- **Master of Data Science.** A course that will develop your analytical and technical skills to use data science to guide strategic decisions in your area of expertise.

- **Master of Health Technology Innovation.** This course is for health practitioners, engineers, IT professionals and scientists who wish to deliver improved health outcomes for patients through the innovative use of technology.

Pathways

Many of these programs also offer a graduate certificate or graduate diploma. If you want to take the next step in your career or develop academic expertise in your chosen field, master’s degrees are ideal. They typically require between one and two years of full-time study.

**Graduate certificates** are a good choice if you want to complete a short academic training course to further your career, or sample postgraduate study. They typically require six months of full-time study.

**Graduate diplomas** are normally based on master’s programs but don’t take as long to complete. They are a good option if you can’t commit to a full master’s degree, and typically require one year of full-time study.

You can usually transfer from either a graduate certificate or graduate diploma into a master’s qualification. In this way these programs can act as a pathway if you don’t meet the master’s entry requirements. Search our website to find out the specific study mode offered for your course:

- [sydney.edu.au/courses](http://sydney.edu.au/courses)

Research

If you are interested in pursuing research, the University offers both a Master of Philosophy (MPhil) and a Doctor of Philosophy (PhD). See pages 18-19 for more information.
Innovative learning environment

Our labs, teaching spaces and learning hubs are designed to help you get the most out of your learning experience. Our postgraduate students have 24/7 access to a dedicated computing laboratory, along with purpose-built labs, including:

- Visualisation and High-Performance Computing Laboratory (VisLAB) – one of Australia’s leading facilities for advanced visualisation and computing
- Computer Human Adapted Interaction Laboratory (CHAI Lab) – contains a rich set of surface computing interfaces with tabletops and interactive wall displays for evaluating user interfaces and understanding human interaction with emerging technologies
- Grid Laboratory – with high-performance computers and network infrastructure for experiments in grid computing
- Multimedia Lab – a professional studio for developing multimedia presentations
- Robotics Lab – for developing next-generation intelligent robots
- Sydney Accelerator Network – equipped with state-of-the-art infrastructure, SAN provides a platform for experimenting with innovative ideas, developing and testing prototypes, and facilitating the successful commercialisation of promising ideas.

Globally recognised qualifications

Our Master of Information Technology, Master of Information Technology Management and the combined master’s degree program are accredited by the Australian Computer Society as professional-level courses. The ACS has reciprocal agreements with many international computer societies and your qualification will be recognised around the world.

Multidisciplinary strengths

By uniting expertise across disciplines, the faculty makes a real difference to our understanding of today’s world. We attract a diverse group of leading researchers from around the world and provide them with an environment that encourages collaboration and innovation.

The research we undertake breaks down conventional disciplinary barriers. We work collaboratively to develop holistic solutions to today’s big issues.

“My research is human-centred and transformative: it creates data-driven computational approaches to support people’s needs and aspirations, especially in the domains of education and health and wellbeing, two pillars of societal challenges. I work closely with experts from these disciplines to devise solutions that will work for people.”

Associate Professor Kalina Yacef
School of Information Technologies
Scholarships

We offer many scholarships and other forms of financial assistance to help you achieve your personal and professional goals, including:

- **Entry scholarships** – based on academic merit and open to domestic and international students enrolling in a Master of Information Technology, Master of Information Technology Management or the combined degree. Entry scholarships are also available for students enrolling in the Master of Data Science and the Master of Health Technology Innovation.

- **Diversity scholarships** – based on academic merit and open to those from diverse cultural and socio-economic backgrounds enrolling in a Master of Information Technology, Master of Information Technology Management or the combined degree.

- **Half-fee scholarships** – based on academic merit in the previous semester, these offer a 50 percent reduction in tuition fees for students commencing their final semester of study in a Master of Information Technology, Master of Information Technology Management or the combined degree.

- **Rockend Scholarship in Information Technologies** – available to domestic students studying the Master of Information Technology full time who achieve at least a credit average in their first semester of study.

- **Dr Abdul Kalam International Scholarships** – merit-based scholarships for international students commencing a master’s program in the faculty.

- **Sydney Achievers Scholarships** – for international students with outstanding academic results, valued at A$10,000 per year for the length of the degree.

Research scholarships

We offer a number of different research and supplementary scholarships including CSIRO’s Data61 PhD scholarships, which encourage research and innovation, participation in industry projects and support for entrepreneurial activities.

View all our scholarship opportunities at:

- sydney.edu.au/scholarships
- sydney.edu.au/engineering/scholarships

“In collaboration with major hospitals, I am developing mobile health technologies that leverage the power of mobile devices and IT infrastructure. Our ‘hospital at home’ remote monitoring and health visualisation avatar projects are improving patient outcomes and reducing the load on hospitals.”

**Dr Jinman Kim**

Associate Professor and Director of the Nepean Telehealth Technology Centre
Graduate Diploma in Computing

Move into the IT industry or enhance your existing career with the Graduate Diploma in Computing. This technology-based qualification suits non-IT graduates looking to upskill.

This program will provide you with a strong foundation in IT. You can explore a range of specialist IT areas that can then form the basis of your new career in IT. Or you may wish to deepen your specialisation with further study.

A Graduate Diploma in Computing can help you design specialist systems and develop IT skills that are integral to a wide range of disciplines such as health, science, engineering and business.

Course structure

In four foundation units, this program covers core knowledge of information technology including programming, data management, system analysis and modelling, and networking. You can then choose an additional six IT or IT management specialist units to complete the diploma.

Classes are generally held in the evening to accommodate your professional commitments.

Foundation units

| Systems Analysis and Modelling | Introduction to Programming |
| Database Systems               | Introduction to Networking  |

Specialisation units

| Specialist unit |
| Specialist unit |
| Specialist unit |
| Specialist unit |
“Having a background in linguistics, the Graduate Diploma in Computing allowed me to improve my computer science skills quickly and pursue my passion of computational linguistics. As well as undertaking a PhD in this field, I’m now the founder of a start-up company.”

Nicky Ringland
Graduate Diploma in Computing

Course duration

1.5 years full time

If you are interested in pursuing further study, you may apply for direct transfer to the Master of Information Technology or Master of Information Technology Management after completing the four foundation units with a credit average.

Depending on the level and type of your prior studies, you may be eligible for recognition of prior learning. This will reduce the length of your degree. For more information, see page 21.

Admission requirements

To apply for this program, you need to have a recognised bachelor’s degree, including units of study with a mathematical foundation demonstrating significant numeracy skills, with at least a credit average.

Alternatively, if you can demonstrate evidence of prior learning that is considered to demonstrate the knowledge and aptitude required to undertake this course, or if you hold a non-degree qualification and have substantial professional IT development experience, you may be considered for entry. Admission is assessed on a case-by-case basis.

More information

To view detailed information regarding each major, including units of study, visit:

- sydney.edu.au/courses
Master of Information Technology

Are you an IT professional looking to update and extend your technical knowledge of advanced computing subjects or move into a new IT specialisation? The Master of Information Technology could be right for you.

This internationally recognised degree can help advance your career in diverse fields such as software engineering, health informatics, data management, data analysis and more. It is also an excellent retraining opportunity for professionals who want to specialise in a different area of IT.

You have the flexibility to tailor your studies, with more than 25 IT specialist units as well as units from electrical engineering and business to choose from.

Course structure
The course comprises of core units, specialist units, optional elective and foundation units, and a capstone project. You have the option to focus on one particular area or combine subjects from related majors.

Majors include:
- Software Engineering
- Data Management and Analytics
- Digital Media Technology
- Biomedical and Health Informatics
- Networks and Distributed Systems
- IT Security.

Classes are generally held in the evening to accommodate your professional commitments.

We also offer a pathway for eligible candidates planning to pursue a research degree.

Course duration
1.5 years full time

Depending on the level and type of your prior studies, you may be eligible for recognition of prior learning. This will reduce the length of your degree. For more information, see page 21.

We also offer a graduate certificate and graduate diploma in IT.

Admission requirements
To apply for this degree, you need to hold a bachelor’s degree in information technology, computer science, or computer or software engineering from a recognised Australian or overseas university with at least a credit average.

If you don’t meet these criteria, you may be eligible for entry into the Graduate Diploma in Computing, from which you can transfer into the Master of Information Technology after satisfactorily completing at least 24 credit points with a credit average.
“The knowledge and skills I acquired in my graduate studies have been invaluable for my professional work. The Master of Information Technology has been an excellent investment in my development and will be crucial to realising my professional and academic goals.”

James Charters  
Master of Information Technology

### Majors and specialist units

#### Majors

<table>
<thead>
<tr>
<th>Software Engineering</th>
<th>IT Security</th>
<th>Biomedical and Health Informatics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specialist units</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Web Application Development</td>
<td>Cybersecurity</td>
<td>IT in Biomedicine</td>
</tr>
<tr>
<td>Enterprise Scale Software Architecture</td>
<td>Computer and Network Security</td>
<td>Enterprise Healthcare Information Systems</td>
</tr>
<tr>
<td>Cloud Computing</td>
<td>Empirical Security Analysis</td>
<td>e-Health for Health Professionals</td>
</tr>
<tr>
<td>Mobile Computing</td>
<td>Applied Cybersecurity</td>
<td>Epidemiology Methods and Uses</td>
</tr>
<tr>
<td>Usability Engineering</td>
<td>Advanced Network Technologies</td>
<td>Systems, Software and Health</td>
</tr>
<tr>
<td>Software Quality Engineering</td>
<td>Web Application Development</td>
<td>Introduction to Bioinformatics</td>
</tr>
<tr>
<td>Model-Based Software Engineering</td>
<td>Information Security Management</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Digital Media Technology</th>
<th>Data Management and Analytics</th>
<th>Networks and Distributed Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specialist units</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multimedia Retrieval</td>
<td>Advanced Data Models</td>
<td>Parallel and Distributed Computing</td>
</tr>
<tr>
<td>Multimedia Design and Authoring</td>
<td>Natural Language Processing</td>
<td>Pervasive Computing</td>
</tr>
<tr>
<td>Computational Geometry</td>
<td>Data Analytics and Business Intelligence</td>
<td>Advanced Network Technologies</td>
</tr>
<tr>
<td>Usability Engineering</td>
<td>Cloud Computing</td>
<td>Mobile Networks</td>
</tr>
<tr>
<td>Design Thinking</td>
<td>Visual Analytics</td>
<td>Large-Scale Networks</td>
</tr>
<tr>
<td>Visual Analytics</td>
<td>Knowledge Management Systems</td>
<td>Mobile Computing</td>
</tr>
<tr>
<td>Digital Media Computing</td>
<td>Machine Learning and Data Mining</td>
<td>Network Embedded Systems</td>
</tr>
</tbody>
</table>

### More information

To view detailed information regarding each specialisation, including units of study, visit:

- sydney.edu.au/courses
Master of Information Technology Management

Make the transition into management with the Master of Information Technology Management for IT professionals and technically skilled graduates.

This professional degree will prepare you to succeed in the management of areas that use information technology to lead and expand business endeavours. It will equip you with an in-depth understanding of key areas such as data analytics, business intelligence, IT strategy and IT project management.

This degree will also help you develop the skills to manage the design, delivery and operation of business technologies effectively.

It is designed for graduates seeking a career path into management roles such as IT project manager, program manager, general manager of operations, chief information officer or chief technology officer.

Course structure

The course comprises core units, specialist units, optional elective and foundation units, and a capstone project. You can choose a project that relates to your area of employment.

We offer a variety of specialist units, including:

- Information Technologies and Systems
- Change Management in IT
- Information Security Management
- Advanced Topics in IT Project Management
- Services Science Management and Engineering
- Information Technology Strategy and Value
- Knowledge Management Systems
- Data Analytics and Business Intelligence.

Classes are generally held in the evening to accommodate your professional commitments.

We also offer a pathway for eligible candidates planning to pursue a research degree.

Core units
- Professional Practice in IT
- IT Project Management
- Understanding IT Innovations

IT Management units
- ITM specialist unit

Foundations and electives
- Specialist unit or Foundation unit
- Specialist unit or Elective

IT Capstone Project
“I found the Master of Information Technology Management appealing because of the core subjects and the opportunity to undertake a research project. The classes are well prepared and the quality of the content is relevant, not just in Australia, but worldwide.”

Giovanna Rojas Sanchez
Master of Information Technology Management

Course duration
1.5 years full time

Depending on the level and type of your prior studies, you may be eligible for recognition of prior learning. This will reduce the length of your degree. For more information, see page 21.

We also offer a graduate certificate and a graduate diploma.

Admission requirements
To apply for this degree, you need to have a bachelor’s degree in any aspect of IT, computer science, computer or software engineering from a recognised Australian or overseas university with at least a credit average. Alternatively, you have completed a recognised bachelor’s degree in any discipline with at least a credit average, along with a minimum two years of professional IT experience.

If you don’t meet these criteria, you may be eligible for entry into the Graduate Diploma in Computing, from which you may transfer into the Master of Information Technology Management after satisfactorily completing at least 24 credit points with a credit average.

More information
To view detailed information regarding each specialisation, including units of study, visit:
- sydney.edu.au/courses
Master of Information Technology/
Master of Information Technology Management

Develop your technical and management skills specific to technology with this combined degree for IT professionals and graduates.

The program will improve your understanding of the latest advancements in IT and how to use them to drive organisational transformation.

The degree’s accelerated two-year structure gives you the opportunity to undertake specialist study in a range of IT-related disciplines along with a program in IT management. It will deepen your technical knowledge of complex IT environments while expanding your ability to manage the design, delivery and operation of business technologies.

Course structure

The course comprises four core units, technical and managerial specialist units, electives and a compulsory capstone project.

You can choose to major in a number of areas within IT, including digital media technology, software engineering, data management and analytics, biomedical and health informatics, networks and distributed systems, and telecommunications engineering. Refer to majors in the table on page 9.

In addition, IT management subjects will provide advanced training in key management areas including innovation, security, services science and change management.

Classes are generally held in the evening to accommodate your professional commitments.

Core units

- Professional Practice in IT
- Information Technology and Systems
- IT Project Management
- Understanding IT Innovations

IT major

- IT specialist unit

IT Capstone Project

Foundations and electives

- Specialist unit or Foundation unit
- Specialist unit or Foundation unit

IT management units

- IT specialist unit
- IT specialist unit
- ITM specialist unit

ITM specialist unit
“The combined program is incredibly flexible and diverse. It has given me an understanding of IT systems and has opened up numerous professional opportunities.”

Aviral Shukla
Master of Information Technology/
Master of Information Technology Management

Course duration
2 years full time

This accelerated program combines elements from the two master’s programs into a streamlined course. This means you can achieve the same learning outcomes and graduate with a combined degree in two years instead of three.

Depending on the level and type of your prior studies, you may be eligible for recognition of prior learning. This will reduce the length of your degree. For more information, see page 21.

Admission requirements
To apply for this degree, you need to have a bachelor’s degree in information technology, computer science, computer engineering or software engineering from a recognised Australian or overseas university with at least a credit average.

More information
To view detailed information regarding each specialisation, including units of study, visit:
- sydney.edu.au/courses
Master of Data Science

Data is a vital asset to an organisation. It provides valuable insights into areas such as customer behaviour, market intelligence and operational performance. Data scientists build intelligent systems to manage, interpret, understand and derive key knowledge from data.

For those with strong mathematical or quantitative backgrounds, this degree will apply your analytical and technical skills to data science to guide strategic decisions in your area of expertise. You can tailor your learning to your professional and personal interests.

Leveraging the University’s research strengths, you will explore the latest in data mining, machine learning and data visualisation, while developing the skills to communicate insights to key stakeholders effectively.

For those with qualifications in other areas such as health and education, a Graduate Certificate in Data Science can provide you with the data science capability to complement your existing skills and provide a pathway to the master’s program.

Course structure
The course comprises core units, elective units and a capstone project in which you will apply your skills to a real-world data science problem. You can tailor your degree by selecting elective units and a project that complement your particular interests, background and qualifications.

The Graduate Certificate in Data Science comprises the following four core units: Principles of Data Science; Algorithms; Database Management Systems; and Introduction to Statistics.

You can select elective units from the following data science subjects, or from other disciplines relevant to your background and qualifications. Data science electives include:

- Advanced Data Models
- Cloud Computing
- Multimedia Retrieval
- Data Analytics and Business Intelligence
- Information Security Management
- Statistical Learning and Data Mining
- Natural Language Processing
- Predictive Analytics.

Data Science electives

<table>
<thead>
<tr>
<th>Core units</th>
<th>Data Science electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Data Science</td>
<td>Elective unit</td>
</tr>
<tr>
<td>Computational Statistical Methods</td>
<td>Elective unit</td>
</tr>
<tr>
<td>Data Mining and Machine Learning</td>
<td>Visual Analytics</td>
</tr>
<tr>
<td>Capstone Project</td>
<td></td>
</tr>
</tbody>
</table>
Data is the currency of the new digital age. It presents incredible opportunities to create smarter cities, healthier people and a better environment for all of us. The challenge is how you make use of it, through data analytics and data science, and that’s what this course is all about.”

Professor Hugh Durrant-Whyte
Professor, ARC Federation Fellow
Director, Centre for Translational Data Science

Course duration
1 year full time

Admission requirements
To apply for this degree, you need to have a bachelor’s degree with honours and at least a credit average in a quantitative discipline such as computer science, mathematics, statistics, engineering, physics, economics or finance from a recognised Australian or overseas university. Alternatively, you should have qualifications deemed equivalent by the University.

For those without a quantitative background, the graduate certificate offers a pathway to the master’s program.

More information
For detailed information, including units of study, visit:
− sydney.edu.au/courses
Healthcare solutions are increasingly dependent on the innovative use of modern technologies. The Master of Health Technology Innovation is a professional degree ideal if you are seeking to expand your career options and take advantage of exciting opportunities in this emerging field.

Recognising the changing healthcare landscape, the Master of Health Technology Innovation will help you bridge the gap between the technical and clinical arenas. You will work alongside engineers, IT specialists and health professionals on cross-disciplinary projects in the University’s flagship Charles Perkins Centre.

Our teachers are leaders in health, engineering and technology from the University and its extensive network of hospitals and healthcare facilities.

### Course structure

The course comprises core units, foundation units, specialist units and a capstone project. You can choose units that complement your particular background and qualifications.

To accommodate your professional commitments, our flexible study options include block or intensive mode, evening classes and online, or you can choose a combination of options.

### Course duration

2 years full time

Depending on your professional experience and/or the level and type of your prior studies, you may be eligible for recognition of prior learning. This will reduce the length of your degree. For more information, see page 21.

We also offer a Graduate Diploma in Health Technology Innovation (1.5 years full time).
Admission requirements
To apply for this degree, you need to have a recognised bachelor’s degree from the University of Sydney or equivalent qualifications.

Alternatively, you should have a Graduate Diploma in Health Technology Innovation from the University of Sydney. Both options require a credit average.

More information
To view detailed information regarding each specialisation, including units of study, visit:
- sydney.edu.au/courses

“Technological advancement and innovation are driving significant change in the health sector. I see substantial opportunities for graduates who have both the technical expertise and medical knowledge to lead this advancement.”

Klaus Schindhelm
Chief Research Officer, ResMed
Research

We invest in research that changes the way we think about the world and how we live and work in it. The University is a member of Australia’s prestigious Group of Eight network and the Association of Pacific Rim Universities.

This association partners us with other institutions that excel in research, including Stanford, Caltech, UC Berkeley and UCLA.

Our research is shaped by the big picture. We look at real-world problems from all angles, combining the expertise and talents of scholars from many disciplines.

This collaboration drives our interdisciplinary research centres, including several dedicated to deepening our understanding of China and Southeast Asia, and increasing Australia’s engagement in these regions.

Find out more about our current research:
- sydney.edu.au/research

Our research degrees

Embarking on a research degree at Sydney is an opportunity to work alongside some of the world’s brightest and most accomplished academics.

We offer exceptional facilities and we have an innovative edge. We strive to challenge traditional ways of thinking. You will have the support to contribute to research that makes a meaningful, real-world impact. Learn more about our research degrees:
- sydney.edu.au/study/find-a-course/postgraduate-research.html

The Faculty of Engineering and Information Technologies focuses on several research themes, including:
- field robotics
- agricultural engineering
- biomedical engineering and technologies
- human-centred technology
- complex systems
- materials and structures
- food processing
- data science
- clean, intelligent energy networks
- water and the environment.

We offer you the opportunity to pursue research through a Master of Philosophy or a Doctor of Philosophy.
“Subtle differences in medical images are often critical in determining patient outcomes. Our work is part of a long-term worldwide goal to develop better clinical support technologies.”

Biomedical researcher Ashnil Kumar’s work investigates ways to improve the automatic interpretation of 3D anatomical images used by health practitioners.

His multidisciplinary team received international recognition for their unique algorithm that automatically analyses 3D computed tomographic (3D-CT) liver images.

“Medical imaging is now a fundamental aspect of healthcare delivery but the challenge facing clinicians is how best to extract or identify relevant information from these massive data sets,” Ashnil says.

“Advances in imaging technology mean we now have bigger, better images, in 3D for example, that can be used to detect these differences. The downside is the increased time and effort needed by expert radiologists to analyse them.”

A major challenge is developing technologies to better support a radiologist’s workflow. The ability to analyse and annotate images automatically then generate a structured report has the potential to improve efficiency in radiology.

Ashnil’s aim is to build smarter, more accurate systems that enable clinical staff to work more efficiently.
How to apply

Coursework
If you are a domestic or international applicant, we invite you to apply online for postgraduate study by coursework, by following these steps:

Step 1
Search for the course you are interested in at:
− sydney.edu.au/courses

Step 2
Select the program of study you wish to apply for and check that you meet the admission requirements.

Step 3
Click the ‘apply now’ button to proceed with your application. You can also apply for recognition of prior learning which, if approved, can substantially reduce the length of your degree.

Recognition of prior learning and credit
Depending on your prior studies or work experience you may be able to apply for recognition of prior learning (RPL) or credit that will reduce the total credit points or time you need to finish your course.

Credit for previous studies
You may be eligible for credit if your previous studies are assessed as being directly equivalent to our units of study. Credit arrangements vary by course.

Fast-track your postgraduate studies
For some courses your previous studies or relevant professional experience may make you eligible for a reduced volume of learning to achieve the learning outcomes of the course. This could cut the duration and unit of study requirements by 1–2 semesters. Reductions and eligibility requirements vary.

How do I apply for credit or RPL?
You need to apply when completing your online course application. To find out more about course-specific requirements, visit your relevant faculty website.

For more information, visit
− sydney.edu.au/study/credit

Research
If you would like to apply for a research degree, we ask you to follow these steps:

Step 1: Find an academic supervisor
Our Research Supervisor Connect online portal lists all the University research opportunities currently available for new students. Search through research ideas, read about supervisors’ areas of interest and expertise, and make initial contact with them:
− sydney.edu.au/research/opportunities

Step 2: Develop a research proposal
Once you have spoken with an academic, you need to develop and submit an initial research proposal. The supervisor will read and comment on your proposal, and indicate if they are willing to supervise you before you submit your application. You can find out more about developing a proposal under ‘How to apply’ at:
− sydney.edu.au/research/opportunities

Step 3: Identify academic referees
You will need to provide details of two academic referees who are familiar with your previous academic qualifications and achievements, who can then submit an academic referee report on your behalf. Instructions are provided within your online application form.

Step 4: Submit your application
We invite you to lodge your application online:
− visit sydney.edu.au/courses and search for your program of study
− select the degree for which you wish to apply
− click on the ‘apply’ button to begin the application process.

Australian Qualifications Framework
The Australian Qualifications Framework (AQF) provides national standards for qualifications in the education and training system. The University of Sydney’s Master of Philosophy (MPhil) is the second-highest qualification on the framework, and the Doctor of Philosophy (PhD) is the highest qualification.
− www.aqf.edu.au
Fees and costs

**Domestic students**

Most domestic postgraduate students study in a fee-paying place, however, a limited number of Commonwealth supported places (CSPs) may be available for some courses, on a competitive basis. Refer to your chosen course in sydney.edu.au/courses to determine if it offers CSPs.

The tuition fees and, where applicable, student contributions on sydney.edu.au/courses are an estimate only of the fees payable in the advertised calendar year of study. Fees are based on a full-time student enrolment load of 24 credit points per semester, or 48 credit points per year (1.0 EFTSL). If your study load for the year is more or less than 1.0 EFTSL your tuition fee or student contribution amount will differ. Exact student contribution amounts for your course will depend on the specific units of study in which you enrol.

The Australian Government administers the Higher Education Loan Programme (HELP) to assist students with the cost of their fees. To find out if you are eligible to access HELP, visit www.studyassist.gov.au

**Research Training Scheme**

Domestic students undertaking a higher degree by research are covered by the Research Training Scheme (RTS) and are exempt from the payment of tuition fees, but only up to the government-specified maximum for the course. For more information on RTS, visit sydney.edu.au/rts

**International students**

The tuition fees on sydney.edu.au/courses are an estimate only of the fees payable in the advertised calendar year of study. Fees are based on a full-time student enrolment load of 24 credit points per semester, or 48 credit points per year (1.0 EFTSL). If your study load for the year is more or less than 1.0 EFTSL your tuition fee will differ.

Student contribution amounts are also reviewed annually by the University, and will increase each year of your period of study (subject to a maximum student contribution amount determined by the Australian Government), effective at the start of each calendar year. For more information, visit

- www.studyassist.gov.au

**Other costs**

In addition to fees, you should budget for:

- additional course costs. Some costs are significant for faculty-specific materials and textbooks, tools, protective clothing, and equipment. For more information about additional costs, visit your faculty’s website at sydney.edu.au/faculties

- the Student Services and Amenities (SSA) fee.

The following costs are specific to international students:

- health insurance through the Overseas Student Health Cover (OSHC) scheme. This is an Australian Government requirement for student visa holders: sydney.edu.au/pg-int-health

- education expenses for students’ children: schools.nsw.edu.au/international

- living expenses such as food and rent: sydney.edu.au/study/finances-fees-costs/living-costs.html

**More information**

For more information about course-related and other incidental costs, financial assistance, loans, upfront tuition fee payments (international students) and the availability of scholarships, please visit:

- sydney.edu.au/study/finances-fees-costs.html

If you have other specific questions about fees or need more information, please get in touch with us:

- sydney.edu.au/contact-us

**Method of payment**

There are several ways you can pay the fees that apply to your study. Please note that a surcharge of 0.8 percent will apply for payments made by Visa or MasterCard. The surcharge is subject to review and may change. Information about payment methods and the surcharge is set out at:

- sydney.edu.au/study/finances-fees-costs/fees-and-loans/paying-your-fees.html
# Faculty courses at a glance

<table>
<thead>
<tr>
<th>Course name</th>
<th>Duration (years)</th>
<th>Credit points</th>
<th>Mode of delivery</th>
<th>full time</th>
<th>part time</th>
<th>block mode</th>
<th>flexible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complex Systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma in Complex Systems</td>
<td>1</td>
<td>48</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Master of Complex Systems</td>
<td>2</td>
<td>96</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Computing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma in Computing</td>
<td>1.5</td>
<td>60</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Information Technology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Certificate in Information Technology</td>
<td>0.5</td>
<td>24</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma in Information Technology</td>
<td>1</td>
<td>48</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Master of Information Technology</td>
<td>1.5</td>
<td>72</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Information Technology Management</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Certificate in Information Technology</td>
<td>0.5</td>
<td>24</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma in Information Technology</td>
<td>1</td>
<td>48</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Master of Information Technology Management</td>
<td>1.5</td>
<td>72</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Master of Information Technology/</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master of Information Technology Management</td>
<td>2</td>
<td>96</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Data Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Certificate in Data Science</td>
<td>0.5</td>
<td>24</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Master of Data Science</td>
<td>1</td>
<td>48</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Health Technology Innovation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma in Health Technology Innovation</td>
<td>1.5</td>
<td>60</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Master of Health Technology Innovation</td>
<td>2</td>
<td>96</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Certificate in Engineering</td>
<td>0.5</td>
<td>24</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma in Engineering</td>
<td>1</td>
<td>36</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Master of Engineering</td>
<td>1.5</td>
<td>72</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Professional Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master of Professional Engineering</td>
<td>2-3</td>
<td>144</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Project Management</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Certificate in Project Management</td>
<td>0.5</td>
<td>24</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Graduate Diploma in Project Management</td>
<td>1</td>
<td>48</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Master of Project Management</td>
<td>1.5</td>
<td>72</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Project Leadership</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Certificate in Project Leadership</td>
<td>0.5</td>
<td>24</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Graduate Diploma in Project Leadership</td>
<td>1</td>
<td>36</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Master of Project Leadership</td>
<td>1</td>
<td>48</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Research</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master of Philosophy</td>
<td>Min. 2</td>
<td>N/A</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Doctor of Philosophy</td>
<td>Min. 3</td>
<td>N/A</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
</tbody>
</table>

Note: All courses have a mid-year intake. Please refer to sydney.edu.au/courses for up-to-date course information.
Important dates

Semester 2, 2016 applications close
30 June 2016*

Open Day
27 August 2016

Postgraduate Information Evening
12 October 2016

Semester 1, 2017 applications close
31 January 2017*

To find out about other important University dates, please visit
– sydney.edu.au/dates

*Some exceptions apply. Please search for your course online to check exact closing dates.
This guide provides the key information you need to apply for a postgraduate degree in information technologies and data science. The next step is up to you.

To learn more, come and see us on Open Day, attend one of our postgraduate information sessions, call our helpline or visit our website.

sydney.edu.au/postgraduate
sydney.edu.au/engineering