DRIVE THE TECH REVOLUTION WITH MONASH IT
IT is everywhere. So if you've already set your sights on being a part of the next wave of technological change, it makes sense to hone your skills at one of Australia's prestigious Group of Eight universities – the only one with a stand-alone IT faculty and facilities to do big things with impact.
Students across the world are drawn to the IT graduate program at Monash IT, not just for the sheer breadth of our study options, but also for the extensive range of opportunities to specialise in every major area of IT.

A Monash IT graduate degree is a valuable opportunity to broaden and consolidate your IT knowledge and skills. We welcome students with undergraduate degrees in IT as well as other disciplines. The precise pathway you take into the graduate program will influence the amount of time to complete your course.

Our graduate courses begin with foundation and core units. A range of electives then allows you to explore your specific areas of interest, to hone and refine the skills and expertise you’ll need to forge a successful career in IT and IT-related areas.

* If you have a research honours degree, the Capstone Project may not be required for the Master of Data Science.
KNOWLEDGE AND EXPERIENCE

Monash IT is about getting out there and doing it. We give you hands-on, real-world IT experience, which means you’ll get to apply the skills you’re learning to a project for a professional organisation during your degree. So when it’s time to make your mark in the real world – you’ll be ready.

Industry Experience (IE) Program
The IE program runs in the final semester of your graduate degree. You’ll work with your graduate degree peers from a range of IT disciplines in self-managed teams. Together you’ll overcome challenges and gain crucial insights – which will, in turn, give you a valuable head start to your career.

When you participate in the IE program, you’ll deploy the skills and expertise that you’ve gained throughout your studies in a practical, real-world setting.

The IE program is your chance to produce something big with support from Monash mentor organisations such as PwC, Australia Post and NAB, among others – who form a crucial part of this mentoring program, working with each student team to provide an invaluable insight into the way business really works.

Coursework research
We are committed to producing high-quality research at Monash IT – it’s why we attract the largest number of graduate research enrolments of all the Group of Eight universities. Students who undertake graduate research degrees with Monash IT have access to a range of benefits:

- generous scholarships and support for local and international students
- access to world-leading supervisors who are experts in their fields
- partnerships with industry and professional associations
- being part of an exciting and growing community of graduate research students.

Monash IT graduate research degrees follow the Monash Doctoral Program – blending original research with training options – that support you through your research journey and prepare you for your chosen career.

Monash Industry Team Initiative (MITI)
MITI provides an outstanding opportunity for selected students to combine academic knowledge with practical application – all while working in a contemporary business environment. The program is an Australian first and is unique to Monash.

Multidisciplinary student teams are competitively selected and then paired with leading Australian and global industry partners. Students collaborate and design innovative solutions to real issues in today’s business world.

Participants gain valuable exposure to relevant learning opportunities and acquire hands-on practical experience that helps them to stand out in the competitive employment market.

miti.monash.edu

Peer mentor program
Students are matched with a peer mentor at the start of their graduate degree and become part of the Monash IT student community. Peer mentors help new students transition into university life. The program also provides our mentors with an opportunity to develop their leadership and other ‘soft skills’ that are highly sought after by employers.
GRADUATE DIPLOMA OF DATA SCIENCE

The rise of big data has changed how organisations do business.

The Graduate Diploma of Data Science puts you at the forefront of this exciting field. Learn about statistical and exploratory analysis, data formats and languages, processing of massive data sets, and the management of data and its effects in an organisation and community.

Whether you’re already a data scientist and want to formalise your qualifications, or have an analytic bent and want to transfer your skills to data science, this course is for you.

This fully-online course allows you to take one unit every two months, equivalent to half-time study, giving you the flexibility to combine study, work and family.

My degree equipped me with the technical skills needed to succeed in a consulting role as well as soft skills such as leadership, communication, critical thinking and evidence-based argument. At KPMG, I am challenged daily and given the opportunity to grow. My clients don’t always know where they want to go and if they did, they may not know how to get there. I see my role much like a GPS, I point them to the best possible route and walk the journey with them. I am constantly reminded of Monash’s motto ‘Ancora imparo’, I am still learning.”

VIVIAN WONG
Master of Data Science
Consultant, KPMG

Monash Online
1.4 years (part-time only)

January, March, May, July, August, October*

* Six teaching periods per year; students take one unit each teaching period, equivalent to a half-time workload.

$ Per 48 credit points, which represents a standard full-time course load for a year.

Graduate Diploma of Data Science

ALTERNATIVE EXITS
• Graduate Certificate of Data Science

COURSE CODE: C5093
MASTER OF DATA SCIENCE

Data scientists extract the gold from big-data assets. They drive innovation and transformation in business, industry and government, and their expertise is sought-after worldwide.

From data curation and management to processing and analysis, data scientists play a major role in helping organisations harness the information to solve big problems. When you enrol in the Master of Data Science (MDS) you’ll benefit from our breadth and depth of expertise by aligning yourself with the largest group of data scientists of any research institution in the Asia-Pacific region.

As well as opportunities to engage with our industry partners in the public and private sectors, you will learn about statistical and exploratory analysis, machine learning, data formats and languages, processing of massive data sets, and the management of data and its role and impact in an organisation and community.

The MDS caters to students from a variety of backgrounds by including foundation units in programming, databases and mathematics.

If you prefer more analytical studies the optional Advanced Data Analytics stream will allow you to develop knowledge and skills in machine learning.

In the final year of your course, you have the option to work in a team on a practical industrial experience project supported by industry mentors to develop data-driven IT solutions. Or you may complete a research project, investigating cutting-edge problems under the supervision of internationally-recognised researchers, which could lead to further study at the PhD level.

Become an expert

The course allows you the flexibility to develop expertise in the following areas:
• data analysis
• data management or big data processing
• statistical and exploratory analysis
• data formats and languages
• processing of massive data sets
• review and evaluation of data science projects
• documentation and communication of ethical and legal issues and norms in privacy and security.

ENTRY REQUIREMENTS

You must have a qualification equivalent to an Australian undergraduate degree. Work experience will be taken into consideration on a case-by-case basis.

Eligibility (in equivalent Australian qualification terms)

<table>
<thead>
<tr>
<th>Duration (years)</th>
<th>Eligibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Undergraduate degree not necessarily in IT, with at least a 60% average, or qualification deemed by the faculty to be a satisfactory equivalent.</td>
</tr>
<tr>
<td>1.5</td>
<td>Undergraduate degree in a related discipline relating to IT, or in a business, engineering or science degree with an IT major including programming or databases and University level 1 mathematics or statistics, with at least a 60% average, or a qualification deemed by the faculty to be a satisfactory equivalent.</td>
</tr>
<tr>
<td>1.5</td>
<td>A four-year undergraduate (honours) degree with a research thesis consisting of at least 37.5% of a one-year full-time load and with at least a 60% average, or a qualification deemed by the faculty to be a satisfactory equivalent.</td>
</tr>
<tr>
<td>1</td>
<td>A four-year undergraduate (honours) degree in a related discipline relating to IT, or a business, science or engineering degree with an IT major including programming and databases, and University level 1 mathematics or statistics, with a research thesis consisting of at least 37.5% of a one-year full-time load and with at least a 60% average, or a qualification deemed by the faculty to be a satisfactory equivalent.</td>
</tr>
</tbody>
</table>

Note: Students eligible for credit for prior studies may elect not to receive the credit and complete one of the higher credit-point options.
COURSE STRUCTURE

You'll complete:

4 foundation units\(^1\)
- programming foundations in Python
- introduction to databases
- mathematical foundations for data science
AND
One of:
- introduction to business information systems
- computer architecture and operating systems.

3 core units
- introduction to data science
- data wrangling
- modelling for data analysis.

5 elective units
You can choose from:

OPTION 1: DATA SCIENCE STREAM
Four units from the list:
- business intelligence modelling
- data curation and management
- data exploration and visualisation
- distributed databases and big data
- applied data analysis
- data processing for big data
- data in society
- digital continuity

OPTION 2: ADVANCED DATA ANALYTICS STREAM
- data exploration and visualisation
- distributed databases and big data OR data processing for big data
- applied data analysis
- data analysis algorithms
AND
- one approved data science elective.

Capstone project\(^2\)

INDUSTRY EXPERIENCE
- industry experience studio project
- professional practice
- one unit from the approved data science elective list

OR

RESEARCH
- IT research methods
- data science research thesis.

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1 Students with previous studies in information technology can apply for credit for the foundation units.
2 If you have a research honours degree, the Capstone Project may not be required.

For a detailed course structure, refer to the handbook entry at monash.edu.au/pubs/handbooks/courses/C6004.html
MASTER OF INFORMATION TECHNOLOGY

Technology is the life-blood of our modern world. IT advances a variety of other disciplines, such as engineering, business and medicine, and even art and archaeology.

The Master of Information Technology (MIT) provides the knowledge, understanding and skills to solve real-world problems with cutting-edge technology. As an MIT graduate, you could become a software engineer, an enterprise data architect, a mobile systems analyst, or even a chief technology officer.

Learn to create innovative IT solutions in your chosen area in order to work in the industry at the highest levels. Gain theoretical knowledge and practical skills, and build on your existing capabilities. Exercise your creativity – a critical skill that’ll enable you to adapt and remain at the forefront of technological change throughout your career.

The course caters to students from a variety of backgrounds. If you don’t have previous training in information technology, the course includes preparatory units that’ll give you the knowledge needed for the remainder of the course.

In the final year of your course, you’ll either work in a team on a practical industrial experience project supported by business mentors or complete a research project, which could lead to further study at PhD level.

Research
If you choose the research component, this will involve research training and a minor thesis under the supervision of an academic staff member. High-achieving students who complete the research component may progress to further research study at a PhD level.

Become an expert
The course allows you the flexibility to develop expertise in the following areas:
• data management technology
• mobile and distributed systems
• machine learning
• software engineering
• cloud and cybersecurity.

ENTRY REQUIREMENTS

You must have a qualification equivalent to an Australian undergraduate degree.

Eligibility (in equivalent Australian qualification terms)

- Undergraduate degree in any field, with at least a 60% average, or a qualification deemed by the faculty to be a satisfactory equivalent. 2
- Undergraduate degree in a related discipline or major in IT including computing, computer science or a technical information technology field, with completed studies in programming, databases, computer architecture, algorithms and data structures, data communications and system analysis and design, with at least a 60% average, or a qualification deemed by the faculty to be a satisfactory equivalent. 1.5

Note: Students eligible for credit for prior studies may elect not to receive the credit and complete one of the higher credit-point options.
COURSE STRUCTURE
You'll complete:

<table>
<thead>
<tr>
<th>4 foundation units*</th>
<th>6 elective units</th>
</tr>
</thead>
<tbody>
<tr>
<td>• programming foundations in Java</td>
<td></td>
</tr>
<tr>
<td>• introduction to databases</td>
<td></td>
</tr>
<tr>
<td>• computer architecture and operating systems</td>
<td></td>
</tr>
<tr>
<td>• data communications.</td>
<td></td>
</tr>
<tr>
<td>At least four of these elective units must be from the approved elective list.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2 core units</th>
<th>Capstone project</th>
</tr>
</thead>
<tbody>
<tr>
<td>• project management</td>
<td></td>
</tr>
<tr>
<td>• software engineering.</td>
<td></td>
</tr>
<tr>
<td>• industry experience studio project</td>
<td></td>
</tr>
<tr>
<td>• professional practice</td>
<td></td>
</tr>
<tr>
<td>• one elective unit</td>
<td></td>
</tr>
</tbody>
</table>

OR

<table>
<thead>
<tr>
<th>RESEARCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>• IT research methods</td>
</tr>
<tr>
<td>• information technology research thesis.</td>
</tr>
</tbody>
</table>

* Students with previous studies in information technology can apply for credit for the foundation units.

For a detailed course structure, refer to the handbook entry at monash.edu.au/pubs/handbooks/courses/C6001.html

Monash IT cultivates a multi-cultural, open-minded environment. Studying the Master of Information Technology has made me more aware of the impact IT can make and pushed me to aim higher. The course has introduced me to exciting career pathways and offered a flexible curriculum with the opportunity to continue my studies during the semester breaks."

MAHES VARIER
Master of Data Science
MASTER OF NETWORKS AND SECURITY

With the proliferation of mobile and pervasive devices with network capability, more and more users and application providers expect services to be available anytime and anywhere, requiring specialist knowledge and skills.

The Master of Networks and Security (MNS) equips you with in-depth best-practice techniques and principles for designing, analysing, implementing, and managing cybersecurity systems and communication networks.

Examine how modern technologies operate and interact. You’ll learn to identify potential security weaknesses in software components and communication channels. Study and evaluate tools and techniques for finding and minimising vulnerabilities in IT systems.

Topics include the design of common network protocols and their applications, performance analysis, traffic dimensioning, network management, and physical network infrastructure design.

Learn about commonly used industry practices as well as emerging techniques from the cybersecurity and network research communities – techniques that are likely to be adopted by industry in the next few years.

The MNS caters to students from a variety of backgrounds. If you don’t have previous training in relevant information technology, the course includes preparatory units that’ll give you the knowledge needed for the remainder of the course.

In the final year of your course, you’ll either work in a team on a practical industry experience project supported by industry mentors or complete a research project, which could lead to further study at PhD level.

Become an expert

The course allows you the flexibility to develop expertise in the following areas:
- secure software design and architecture
- system security analysis
- penetration testing
- enterprise security management
- network architecture and design
- network administration and management.

Research

If you choose the research component, this will involve research training and a minor thesis under the supervision of an academic staff member. High-achieving students who complete the research component may progress to further research study.

ENTRY REQUIREMENTS

You must have a qualification equivalent to an Australian undergraduate degree.

Eligibility (in equivalent Australian qualification terms)

<table>
<thead>
<tr>
<th>Eligibility</th>
<th>Duration (years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate degree in any field, with at least a 55% average, or a qualification deemed by the faculty to be a satisfactory equivalent.</td>
<td>2</td>
</tr>
<tr>
<td>Undergraduate degree in a related discipline including computing, computer science, software engineering, computer systems, electrical, electronic or communication engineering with at least a 55% average, or a qualification deemed by the faculty to be a satisfactory equivalent.</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Note: Students eligible for credit for prior studies may elect not to receive the credit and complete one of the higher credit-point options.
Monash has one of the best courses in network security. I was always keen on knowing the underlying concepts behind the networks that run and connect the world today. Networks and its associated issues, design and implementation is what attracted me the most to this course.”

SANDHYA GAWALI
Master of Networks and Security

COURSE STRUCTURE
You’ll complete:

4 foundation units*
• programming foundations in Java OR programming foundations in Python
• introduction to databases
• computer architecture and operating systems
• data communications.

2 core units
• project management
• information and computer security.

6 elective units
You can choose from:

TWO UNITS FROM THE NETWORKS STREAM
• network protocol standards
• network design and performance
• quality of service and network management
• network infrastructure

AND

TWO UNITS FROM THE SECURITY STREAM
• software security
• network security
• advanced topics in security
• enterprise IT security – planning, operations, and management

AND

• two further units, of which one must be from the Networks or Security stream.

Capstone project

INDUSTRY EXPERIENCE
• industry experience studio project
• professional practice
• software engineering
OR

RESEARCH
• IT research methods
• networks and security research thesis.

* Students with previous studies in information technology can apply for credit for the foundation units.

For a detailed course structure, refer to the handbook entry at monash.edu.au/pubs/handbooks/courses/C6002.html
MASTER OF BUSINESS INFORMATION SYSTEMS

Information drives business. Without it, businesses cease to function. Whether it’s for day-to-day operations or strategic decision-making, there’s an imperative to record, manage and use information.

Systems that manage this information are integral to the smooth functioning of every modern organisation, as are the professionals who design and maintain them.

The Master of Business Information Systems (MBIS) is a launch pad to careers in systems design, planning and management, as well as knowledge and information management.

When you enrol in the MBIS you’ll gain the expertise to design solutions to business information problems and to offer strategic guidance to organisations that’ll enhance their management and governance.

You’ll explore the spectrum of IT functions within business from supporting business operations through to facilitating managers’ decision-making. You’ll also examine both the theoretical foundations of business information systems and their practical application.

Choose from a range of specialist units, with a particular focus on business intelligence, information systems development, project management, and information and knowledge management (librarianship and archives).

The course caters to students from a variety of backgrounds. If you don’t have previous training in business information systems, the course includes preparatory units to give you the knowledge needed for the remainder of the course.

In the final year of your course, you’ll either work in a team on a practical industrial experience project supported by business mentors or complete a research project, which could lead to further study at PhD level.

Areas of expertise

The course allows you the flexibility to develop expertise in the following areas:

- business intelligence
- enterprise systems
- information systems design
- knowledge management
- project management
- archives and recordkeeping
- librarianship and information science.

ENTRY REQUIREMENTS

You must have a qualification equivalent to an Australian undergraduate degree.

Eligibility (in equivalent Australian qualification terms)

- Undergraduate degree in any field, with at least a 60% average, or a qualification deemed by the faculty to be a satisfactory equivalent.

- Undergraduate degree in a related discipline with at least a 60% average relating to information systems or with an information systems major, with completed studies in basic programming, basic database theory systems analysis and design. Plus an understanding of the major enterprise IT applications and their architectures, including enterprise/transaction processing systems and analytical/business intelligence systems, or a qualification deemed by the faculty to be a satisfactory equivalent.

Note: Students eligible for credit for prior studies may elect not to receive the credit and complete one of the higher credit-point options.
Monash University is in the Go8, and is recognised among the top 100 in the world for Computer Science and Information Systems by the 2018 QS World University Rankings. To have a degree recognised worldwide is quite important for an international student. I chose Monash’s Master of Business Information Systems as the course content provided me with the opportunity to mix and select various units. Practical application during the course was also important to me.”

AKASH DEENDAYAL VARMA
Master of Business Information Systems

## COURSE STRUCTURE
You’ll complete:

### 4 foundation units
- introduction to business information systems
- systems analysis and design
- programming foundations in Java
- introduction to databases.

### 1 core units
- project management.

### 7 elective units
You can choose the Business information systems specialisation and further elective units

OR

One of the following specialisations:
- archives and recordkeeping
- library and information science
- archives and recordkeeping/Library and information science.

### Capstone project

### INDUSTRY EXPERIENCE
- industry experience studio project
- professional practice
- one elective unit

OR

### RESEARCH
- IT research methods
- business information systems research thesis.

1. Students with previous studies in information technology can apply for credit for the foundation units.
2. If you complete this option you must complete the Industry Experience stream.
3. Students seeking professional accreditation with the Australian Society of Archivists (ASA) or the Australian Library and Information Association (ALIA) or the Records and Information Management Professionals Australasia (RIMPA) must complete FIT5104 Information and knowledge management professional practice.

For a detailed course structure, refer to the handbook entry at monash.edu.au/pubs/handbooks/courses/C6002.html
SCHOLARSHIPS

Did you know that you could be eligible for a scholarship? Monash offers a range of scholarships to students enrolling in a Monash IT graduate degree at an Australian campus.

Our faculty and university scholarships reward academic excellence and ensure equitable access to tertiary education. All domestic students enrolling in a Monash IT graduate degree at an Australian campus are automatically assessed for a Merit Scholarship. International students may be eligible for a study grant.

Scholarships and grants
We offer a range of scholarships and grants for commencing and continuing graduate students including:

• Faculty of Information Technology Graduate Scholarship
• Faculty of Information Technology Indigenous Merit Scholarship
• Faculty of Information Technology Indigenous Study Support Scholarship
• Monash University Indigenous Australian Archives Scholarship.

For more scholarships and information, visit monash.edu/it/scholarships

ENGLISH LANGUAGE ENTRY REQUIREMENTS

You can meet the English language entry requirements with one of the following:

1. Victorian Certificate of Education (VCE) or final year high school
2. Tertiary and post-secondary studies

Study at an institution where English is the language of instruction and assessment for the entire institution.

Satisfactory completion of study equivalent to at least 48 Monash credit points (one year of full-time study) at Australian VET diploma level or higher, or at undergraduate award level or higher.

Note: Time limits of five years for undergraduate or two years for graduate apply.

3. English language proficiency test

Achievement of the required results in one of the following English language tests.

<table>
<thead>
<tr>
<th>Test</th>
<th>Results required</th>
</tr>
</thead>
<tbody>
<tr>
<td>IELTS (Academic)</td>
<td>• An overall score of at least 6.5</td>
</tr>
<tr>
<td></td>
<td>• No individual band scores less than 6.0</td>
</tr>
<tr>
<td>TOEFL Paper-based</td>
<td>• A minimum test score of 550</td>
</tr>
<tr>
<td></td>
<td>• A Test of Written English (TWE) score of at least 4.5</td>
</tr>
<tr>
<td>TOEFL Internet-based</td>
<td>• A minimum test score of 79</td>
</tr>
<tr>
<td></td>
<td>• An overall score of at least 21 in the written section</td>
</tr>
<tr>
<td></td>
<td>• No less than 12 in listening, 13 in reading and 18 in speaking</td>
</tr>
<tr>
<td>Pearson Test of English</td>
<td>• An overall score of 58</td>
</tr>
<tr>
<td>(Academic)</td>
<td>• No PTE communicative skills score below 50</td>
</tr>
<tr>
<td>The Cambridge English</td>
<td>• Proficiency (CPE): An overall score of 176 with no skill score below 169, or</td>
</tr>
<tr>
<td></td>
<td>• Advanced (CAE): An overall score of 176 with no skill score below 169</td>
</tr>
</tbody>
</table>

4. English Language Bridging Program

Successful completion of the English Language Bridging Program at the Monash University English Language Centre (MUELC), or an equivalent program approved by Monash University.

HOW TO APPLY

Domestic students

Domestic students are Australian and New Zealand citizens and Australian permanent residents (including holders of Australian permanent humanitarian visas).

Applications for all graduate courses can be made directly online at monash.edu/admissions/apply/online.html

For more information, visit monash.edu/it/apply

International students

Before you apply, please ensure you meet all the Monash University minimum entry requirements — including academic, English language and selection criteria. Your application must include certified copies of your academic transcripts and English qualifications or results.

International students can apply online, by mail or through a Monash agent.

For more information, visit monash.edu/it/apply

For commencement and application closing dates refer to: monash.edu/it/future-students/how-to-apply
INFORMATION TECHNOLOGY
RESEARCH AT MONASH

Our researchers are passionate about the potential for technology to positively disrupt our world.

Our faculty is home to some of the world’s leading experts in areas such as data science, cybersecurity, organisational and social informatics and artificial intelligent systems. They’re at the forefront of international collaborations which are tackling today’s most pressing issues and opportunities, across all facets of society. We’re also fostering a number of cross-disciplinary initiatives, such as Digital Health and Energy as well as our high tech SensiLab, in order to foster agile, collaborative work broadly focused on the intersection of visualisation, immersive interaction and digital fabrication.

Join us as a graduate researcher and you too can be at the cutting edge, working within a creative and supportive environment as you build your knowledge and skills.

We engage with a broad group of industry partners, from the biggest corporations to small enterprises and non-profit organisations, in order to solve problems and develop cooperative research projects.

Pathways into research degrees
If you don’t meet the entry requirements for a research degree, we offer a range of coursework programs, which may serve as a pathway to a research degree.

These courses include an option to undertake a significant research component providing a pathway for admission to a research degree – subject to academic performance.

For more information, visit monash.edu/it/future-students/graduate

Graduate Certificate of Information Technology Research
The Graduate Certificate of Information Technology Research (GCITR) is a new course that offers a pathway to higher-level research in information technology. This course is for high-achieving students who’ve completed a relevant undergraduate and coursework master’s degree but don’t have a research component required to be eligible to apply for a research degree.

GCITR students will undertake research methodology training and carry out an independent research project on a selected topic. They’ll work closely with a supervisor who’ll provide the student with individual guidance and academic counselling. The GCITR course can be completed in six months. The certificate will only be offered as part of a package with a conditional offer to enter the Faculty of IT Doctor of Philosophy or Master of Philosophy.

For more information, visit monash.edu/it/graduate-research-pathways

English language pathway, conditional offer and packaged offer
Normally, all applicants must meet Monash University’s English Language Proficiency (ELP) requirements for graduate research students. This can be demonstrated in one of a number of ways. In certain instances, the faculty may make a conditional offer to applicants with a demonstrated capacity to undertake significant research who don’t meet the ELP requirements at the time of applying. The conditional offer requires the student to undertake the Monash English Bridging (MEB) Program for graduate degrees and higher degrees of research at Monash College.

For more information, visit monash.edu/graduate-research/contact-us/faqs

STANDARD GRADUATE RESEARCH DEGREE PATHWAYS

<table>
<thead>
<tr>
<th>Coursework degree</th>
<th>Graduate research programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate IT degree or relevant discipline (3 years)</td>
<td>Honours degree in relevant discipline (1 year) three units, minor thesis and research methods</td>
</tr>
<tr>
<td></td>
<td>MPhil (up to 2 years of research)</td>
</tr>
<tr>
<td></td>
<td>PhD (up to 4 years of research)</td>
</tr>
<tr>
<td></td>
<td>Grad Cert IT Research</td>
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</tbody>
</table>

*Course duration varies depending on specific qualification.

Times shown above are based on a full time study load.
GRADUATE RESEARCH PROGRAMS

Doctor of Philosophy
The Doctor of Philosophy (PhD) degree is a supervised program which involves a major research project on a topic of personal interest.

To be awarded your degree, external examiners must believe your thesis:
• is an original contribution to the discipline concerned, and
• demonstrates your ability to perform independent research.

You’ll be supported throughout your degree by at least two supervisors. The length of your thesis varies across disciplines, but should not normally exceed 80,000 words.

You’ll also have the option to apply and undertake a PhD by Exegesis and Project demonstration or Exhibition as an alternate form of PhD examination. This is in addition to the existing form of examination by standard thesis.

All candidates enrolled in a PhD undertake coursework under the Monash Doctoral Program. This coursework-specific training enhances your research and prepares you for life after your degree.

For more information on the Monash Doctoral Program, visit monash.edu/it/research-degrees

Master of Philosophy
The Master of Philosophy (MPhil) degree is a supervised program which involves a major research project on a topic of personal interest.

To be awarded your degree, external examiners must declare that your thesis:
• significantly contributes to knowledge in that discipline, and
• demonstrates your ability to perform independent research.

You’ll be supported throughout your degree by at least two supervisors. Your MPhil thesis does not need to make a major contribution to the discipline with new knowledge (as a PhD requires). However, it’s expected to contribute to an existing body of knowledge by applying, clarifying, critiquing or interpreting that knowledge.

The length of your thesis varies across disciplines, but should not normally exceed 35,500 words.

All candidates enrolled in the MPhil undertake coursework. This coursework-specific training and skills enhance your research and prepare you for life after your degree.

For more information on the MPhil and Monash Graduate Research, visit monash.edu/it/research-degrees

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The strength of the Computer Science department was one of my main reasons for choosing to study a Master of Information Technology at Monash University. Looking back on everything I learnt, I appreciate how fundamental the course was in shaping my understanding of data science. The experience had such an impact on my academic life, I’m now studying my PhD at Monash.”

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The information in this brochure was correct at the time of publication (April 2019). Monash University reserves the right to alter this information should the need arise. You should always check with the relevant faculty office when considering a course.
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