

MIT ENROLMENT INFORMATION 2017

Welcome to join our Master of Information Technology Program! Masters Program in Australia is of two folds: Masters by Coursework (MIT, MData Science, etc.) and Masters by Research (MRes).

ADVICE:

A/Prof Manolya Kavakli (manolya.kavakli@mq.edu.au) is the Director of Postgraduate Program. She is in charge of Masters by Coursework studies. A/Prof Mark Dras (mark.dras@mq.edu.au) is the Director of Masters by Research. You may contact them by sending an email to arrange an appointment to discuss the details of any program.

| PG Advising Roster | | | | | |
|-----------------------------------|-----------|-----|---------------------|---------|-----------------|
| Week No | Date | Day | Time | Room | Adviser |
| Week -1 (17 July to 21 July 2017) | 18-Jul-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| Week 0 (24 July to 28 July 2017) | 25-Jul-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| 31 July - 4 Aug (week 1) | 1-Aug-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 4-Aug-17 | Fri | 2-3pm | E6A 320 | Peter Busch |
| 7 Aug - 11 Aug (week 2) | 8-Aug-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 11-Aug-17 | Fri | 2-3pm | E6A 320 | Peter Busch |
| 14 Aug - 18 Aug (week 3) | 15-Aug-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 18-Aug-17 | Fri | 2-3pm | E6A 320 | Peter Busch |
| 21 Aug - 25 Aug (week 4) | 22-Aug-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 25-Aug-17 | Fri | 2-3pm | E6A 320 | Peter Busch |
| 28 Aug - 1 Sep (week 5) | 29-Aug-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 1-Sep-17 | Fri | 2-3pm | E6A 320 | TBC |
| 4 Sep - 8 Sep (week 6) | 5-Sep-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 8-Sep-17 | Fri | 2-3pm | E6A 320 | Peter Busch |
| 11 Sep - 15 Sep (week 7) | 12-Sep-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 15-Sep-17 | Fri | 2-3pm | E6A 320 | Peter Busch |
| Semester Break | 19-Sep-17 | Tue | By appointment only | | |
| | 22-Sep-17 | Fri | By appointment only | | |
| Semester Break | 26-Sep-17 | Tue | By appointment only | | |
| | 29-Sep-17 | Fri | By appointment only | | |
| 3 Oct - 6 Oct (week 8) | 3-Oct-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 6-Oct-17 | Fri | 2-3pm | E6A 320 | Peter Busch |
| 9 Oct - 13 Oct (week 9) | 10-Oct-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 13-Oct-17 | Fri | 2-3pm | E6A 320 | Peter Busch |
| 16 Oct - 20 Oct (week 10) | 17-Oct-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 20-Oct-17 | Fri | 2-3pm | E6A 320 | TBC |
| 23 Oct - 27 Oct (week 11) | 24-Oct-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 27-Oct-17 | Fri | 2-3pm | E6A 320 | Peter Busch |
| 30 Oct - 3 Nov (week 12) | 31-Oct-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 3-Nov-17 | Fri | 2-3pm | E6A 320 | Peter Busch |
| 6 Nov - 10 Nov (week 13) | 7-Nov-17 | Tue | 11am - 12pm | E6A372 | Manolya Kavakli |
| | 10-Nov-17 | Fri | 2-3pm | E6A 320 | Peter Busch |
| Exam Week | 14-Nov-17 | Tue | By appointment only | | |
| | 17-Nov-17 | Fri | By appointment only | | |
| Exam Week | 21-Nov-17 | Tue | By appointment only | | |
| | 24-Nov-17 | Fri | By appointment only | | |
| Exam Week | 28-Nov-17 | Tue | By appointment only | | |
| | 1-Dec-17 | Fri | By appointment only | | |

The coursework Master of InfoTech website:

(<http://courses.mq.edu.au/postgraduate/master/master-of-information-technology>)

The information page notes that the entry requirement there is a GPA of 4.75 out of 7.00

The research masters (MRes) website:

(<http://www.mq.edu.au/research/phd-and-research-degrees/research-training/mres-general-faqs>) It requires a Credit (GPA 3.0) average in the final year of study.

SCHOLARSHIPS:

Unfortunately the Department is not offering any scholarship to Postgraduate coursework students. There may be limited number of scholarships for MRes + PhD students who are primarily interested in research. However, GPA expected by scholarship students is generally above 3.5/4. For scholarship offered by the university to international students, please see the information at here:

<https://www.mq.edu.au/study/international-students/scholarships>

ENROLMENT:

You can enrol in units online using your eStudent account in the first 2 weeks of semester. If you need advice or have problems with enrolment, please send an email to A/Prof Manolya Kavakli, Director of Postgraduate Program to make an appointment. Otherwise, you can follow the instructions below:

There are two important concepts that you need to be aware of: Waivers and RPL.

WAIVERS: Due to the flexibility of our programs, you need to be aware of the fact that you must demonstrate that you have the prerequisite knowledge for each unit you want to enrol in. Please don't assume that we have access to your transcripts and courses you have studied. eStudent lists the units you need to study to be able to graduate, however, you need to enrol in each unit that is specified in eStudent as your study plan. To be able to enrol in each 800 level unit, you must ask for a waiver. The goal of waivers is to inform the unit convenor that you have the prerequisite knowledge. You must attach the transcripts to your waiver applications. Once you have waiver approvals, you can enrol in the units.

RPL: You must have pre-approved Recognition of Previous Learning (RPL) or can apply for RPL for 600 level units which are mainly second and third year computing units. If you wish to obtain RPL , you need to apply for it and demonstrate the equivalent of these units by providing transcripts and unit outlines. You can do this online through eStudent. You can also apply for RPL (up to 8cp only) if you have obtained industrial certificates such as Cisco, ITIL, Microsoft, Oracle, etc. Each would be counted equivalent to 4cp 800 level elective unit.

Late enrolment: For any students who are wishing to be considered for late unit enrolment (after the first 2 weeks of semester), they need to follow the process on the webpage below.

<https://students.mq.edu.au/admin/re-enrol/late-enrolment>

Recommended pattern of enrolment for MIT (Management) specialization 1st year:

If you have RPL for 600 units:

In 2017 s2, enrol in: itec842, itec871, itec854, elective unit or itec812

In 2018 s1, enrol in: itec832, itec841, itec844, elective unit if you don't have prerequisites

If you don't have RPL for 600 units:

You have to study 4 600-level units from a list of 6 (itec600, 601, 602, 654, 660, and 699). In this list itec699 is a shell unit that may replace any 600-level programming units to study. Please discuss the units to study instead of itec699 with A/Prof Manolya Kavakli, since she has to put a deeming application for each student in that case.

In 2017 s2, enrol in: itec600, itec601, itec854, itec842 or itec871

In 2018 s1, enrol in: itec602, itec654, itec844, itec832 or itec841 or an elective unit if you don't have prerequisites (*please note that itec832 requires itec601 and itec841 requires itec602 as a prerequisite*)

Recommended pattern of enrolment for MIT (Internetworking & Cybersecurity) specialization 1st year:

If you have RPL for 600 units:

In 2017 s2, enrol in: itec801, itec851, itec852, elective unit or itec812

In 2018 s1, enrol in: itec803, itec850, itec855, elective unit

If you don't have RPL for 600 units:

You have to study 4 600-level units from a list of 6 (itec643, 647, 649, 697, 692, and 699). In this list itec699 is a shell unit that may replace any 600-level programming units to study. Please discuss the units to study instead of itec699 with A/Prof Manolya Kavakli, since she has to put a deeming application for each student in that case.

In 2017 s2, enrol in: itec697, itec801, itec851, itec852

In 2017 s1, enrol in: itec643, itec647, itec649, itec803 or itec850 or itec855 or itec844 (if you don't have prerequisites for the other 800-level units)

Recommended pattern of enrolment for MIT (Management) specialization 2nd year:

Considering you have completed all required 600-level and all required 800-level units, as well as itec812 and 1 elective unit in the last year:

In 2018 s2, enrol in:

EITHER itec810 and 3 elective units at 800-level (not necessarily from ITEC800-range)

OR itec898 and 2 elective units at 800-level (not necessarily from ITEC800-range)

OR itec897 and NO elective units at 800-level

Otherwise, make sure you complete the following:

In 2018 s2, enrol in: itec812 and any of itec842, itec871, itec854, or elective units

In 2019 s1, enrol in: itec810 or itec897 or 898 and any of itec832, itec841, itec844, or elective units

Recommended pattern of enrolment for MIT (Internetworking & Cybersecurity) specialization 2nd year:

Considering you have completed all required 600-level and all required 800-level units, as well as itec812 and 1 elective unit in the last year:

In 2018 s2, enrol in:

EITHER itec810 and 3 elective units at 800-level (not necessarily from ITEC800-range)

OR itec898 and 2 elective units at 800-level (not necessarily from ITEC800-range)

OR itec897 and NO elective units at 800-level

Otherwise, make sure you complete the following:

In 2018 s2, enrol in: itec812 and any of itec801, itec851, itec852, or elective units

In 2019 s1, enrol in: itec810 or itec897 or 898 and any of itec803, itec850, itec855, or elective units

ELECTIVE UNITS:

If you need to do an elective, please choose an elective from the units with the code of itec800-899 which are computing and information systems units. Others are offered by other departments. Please see the document titled MIT units to choose from for the selection of Elective units above. The elective units to take change according to the year the student is admitted to the degree. This can be seen in the handbook for that year. Students can take only the units listed in the program when they are admitted to the degree. Otherwise, we need to submit a deeming application and this takes time and postpones the enrolment process.

<http://handbook.mq.edu.au/2017/DegreesDiplomas/PGDegree/Master+of+Information+Technology>

MIT UNITS TO CHOOSE FROM FOR ENROLMENT for students admitted in 2016 onwards

For S1, the following units are in the handbook:

- S1 ITEC800 Systems Engineering Process (4)
- S1 ITEC803 Advanced Topics in Computer Networks (4) (prereq: comp647)
- S1 ITEC850 Network System Design (4) (prereq: comp647)
- S1 ITEC855 Security Technologies and Forensic Analysis (prereq: comp647 or 643)
- S1 ITEC841 Information Systems Project and Risk Management (4) no prereq
- S1 ITEC844 Strategic Project Management (4) (prereq: itec602 or 660)
- S1 ITEC832 Enterprise Application Integration no prereq
- S1 PICT 848 Cyber Security
- S1 PICT 808 Cyber Terrorism and Information Warfare
- S1 ICOM 897 Interactive Communication
- S1 STAT828 Data Mining
- S1 STAT878 Modern Computational Statistical Methods
- S1 ACCG922 Accounting Information Systems
- S1 BUS800 Electronic Commerce Strategy (external)
- S1 EDIT982 Content Management for Print and Online Delivery
- S1 MKTG804 E-Business Marketing
- S1 MKTG833 Social Media Management
- S1 ENVS808 Introduction to Geographic Information Science for Postgraduates

For S2, the following units are in the handbook:

- S2 ITEC801 Distributed Systems (4) no prereq
- S2 ITEC842 Enterprise Management (4) no prereq
- S2 ITEC854 Security Management (4) no prereq
- S2 ITEC871 Information Systems Design and Management (4) no prereq
- S2 ITEC851 Mobile Data Networks (4) (prereq: comp647)
- S2 ITEC852 Advanced System and Network Security (4) (prereq: comp647)
- S2 ITEC830 Web Data Technologies
- S2 PICT840 Cyber Crime
- S2 ACCG922 Accounting Information Systems
- S2 BUS800 Electronic Commerce Strategy

- S2 BUS840 Business Project Management
- S2 ENVS853 Environmental Applications of GIS and Remote Sensing

Units available for 2 or more semesters:

- S1, S2, S3 (Dec 2016-Feb2017) ITEC87 Industry Based Internship 1
- S1, S2, S3 (Dec 2016-Feb2017) ITEC898 Industry Based Internship 1
- S1, S2, ITEC810 Special Topic in Information Technology
- S1, S2, ITEC812 Information Technology Project

We don't run the following units:

- TBD ITEC821 Requirements Engineering (4)
- TBD ITEC872 Data Mining and Business Intelligence (4)
- TBD ITEC874 Big Data Technologies (4)

600-LEVEL UNITS:

We run a number of 600 level units in s1 and s2 as follows:

- S1 Cryptography and Information Security (4) [ITEC643](#)
- S1 Data Communication (4) [ITEC647](#)
- S1 Web Technology (4) [ITEC649](#)
- S2 Computer Networks (4) [ITEC697](#)
- S2 IT and the Future of Society (4) [ITEC600](#),
- S2 Enterprise Systems Integration (4) [ITEC601](#)
- S1 Management of IT Systems and Projects (4) [ITEC602](#)
- S1 Applications, Modelling and Development (4) [ITEC654](#)
- S1& S2 Foundation Topic in Computing (4) **ITEC699**

These units are basically 600-level versions of 2nd and 3rd year Computing and IS units, such as comp343, comp347, comp249, comp297, isys200, isys301, isys302, and isys254. ITEC699 is equivalent to COMP624 and COMP225, which correspond to COMP125 (offered in both S1 & S2) and COMP224 (offered in S2).

Please enroll in the comp and isys versions of the workshops to enroll in these 600 level units, and check the timetable for the comp and isys versions.

SPECIAL UNITS:

ITEC812, ITEC810, ITEC897 and ITEC898 are special units. You need to study these units at the end of the study after completing at least 16cp 800-level required units for your specialization. ITEC810, ITEC898, and ITEC897 are capstone units. You have to do either itec810, or one of the internship units to be able to graduate. itec897 is a full-time 16cp internship unit and itec898 is part-time 8cp internship unit. You need to have a GPA above $\frac{3}{4}$ to enroll in internship units such as itec897 (full-time 16cp) and itec898 (part-time 8cp). If you wish to do internship, you need to make a strategic plan in the beginning of your study and reserve room for doing the internship, instead of elective units. Otherwise, there may be financial implications of these units on your enrolment.

You can find your own location for internship or we can place you into a company. However, you need to send your CV and transcripts to A/Prof Manolya Kavakli a few months before the enrolment, if you wish to do the internship units. You cannot enroll in these units until we find a place for you. In this case, you need to complete itec810 to be able to graduate.

Students will need to self-select the option set (either itec810 or itec898 or itec897) they wish to be enrolled into, **prior** to them enrolling into any units.

REDUCED STUDY LOAD: You are eligible to study 3 units per semester applying for Reduced Study Load. You can do this online through eStudent. Three units per semester are equivalent to full time study load.

CHANGING SPECIALISATION: MIT students can request to change their specialisation online at: http://www.students.mq.edu.au/student_admin/manage_your_study_program/course_changes/change_of_major/? Under 'How to Apply', there is a link for students to login to the online form via Ask@MQ. They can request to change their specialisation there.

COURSE STRUCTURE:**Your plan:**

| | 2017s2 | 2018s1 | 2018s2 | 2019s1 |
|------|--------|--------|--------|--------|
| UNIT | | | | |

Master of Information Technology

| | | | |
|-------------------------------|--|-------------------|----------------------------------|
| Faculty: | Faculty of Science and Engineering | Award: | Master of Information Technology |
| Candidature length: | 2 years (full time) equivalent part-time | Attendance modes: | Internal |
| Study period offerings: | Session 1 (February), Session 2 (July) | Study modes: | Full-time, Part-time |
| Total credit points: | 64 | | |
| English language proficiency: | IELTS of 6.5 overall with minimum 6.0 in each band, or equivalent | | |
| General requirements: | Minimum of 16 credit points at 600 level. Minimum of 48 credit points at 800 level or above. Completion of other specific minimum requirements as set out below. | | |

SPECIFIC MINIMUM REQUIREMENTS:

| 800 level or above | | | Credit Points |
|---|--|--|---------------|
| Required | ITEC812 | Special Topic in Information Technology (4) | 4 |
| Required | 4 credit points from ITEC units at 800 level | | 4 |
| Required | 16 credit points from ITEC897 | Industry Based Internship 1 (16) | 16 |
| | or 16 credit points from ITEC898 | Industry Based Internship 2 (8cp) and 8cp from the below units: | |
| | or 16 credit points from ITEC810 | Information Technology Project (4cp) and 12cp from the below units: | |
| | | Choose from these below units, each worth 4 credit points: | |
| | ACCG922 | Accounting Information Systems (4) | |
| | BUS800 | Electronic Commerce Strategy (4) | |
| | BUS840 | Business Project Management (4) | |
| | EDIT982 | Content Management for Print and Online Delivery (4) | |
| | ENVS808 | Introduction to Geographic Information Science for Postgraduates (4) | |
| | ENVS853 | Environmental Applications of GIS and Remote Sensing (4) | |
| | ICOM897 | Interactive Communication (4) | |
| | ITEC units at 800 level | | |
| | MKTG804 | E-Business Marketing (4) | |
| | MKTG833 | Social Media Management (4) | |
| | PICT808 | Cyber Terrorism and Information Warfare (4) | |
| | PICT840 | Cyber Crime (4) | |
| | PICT848 | Cyber Security (4) | |
| | STAT828 | Data Mining (4) | |
| | STAT878 | Modern Computational Statistical Methods (4) | |
| Required | 1 specialisation | (Management or Internetworking and Cyber Security) | 40 |
| TOTAL CREDIT POINTS REQUIRED TO SATISFY THIS PROGRAM | | | 64 |

In order to graduate students must ensure that they have satisfied all of the above general requirements of the award.

Specialisations

Requirements for the Specialisation: Completion of a minimum of 40 credit points including the following prescribed units:

MANAGEMENT

| Required 16 credit points from 600 level unit | Credit Points |
|---|---------------|
| ITEC600 IT and the Future of Society | 4 |
| ITEC601 Enterprise Systems Integration | 4 |
| ITEC602 Management of IT Systems and Projects | 4 |
| ITEC654 Applications, Modelling and Development | 4 |
| ITEC660 Technology Management | 4 |
| ITEC699 Foundation Topic in Computing | 4 |

| Required 800 level or above units | Credit Points |
|---|---------------|
| ITEC832 Enterprise Application Integration | 4 |
| ITEC841 Information Systems Project and Risk Management | 4 |
| ITEC842 Enterprise Management | 4 |
| ITEC844 Strategic Project Management | 4 |
| ITEC854 Security Management | 4 |
| ITEC871 Information Systems Design and Management | 4 |

TOTAL CREDIT POINTS REQUIRED TO SATISFY THIS SPECIALISATION 40

INTERNETWORKING AND CYBER SECURITY

| Required 16 credit points from 600 level unit | Credit Points |
|---|---------------|
| ITEC643 Cryptography and Information Security | 4 |
| ITEC647 Data Communications | 4 |
| ITEC649 Web Technology | 4 |
| ITEC697 Computer Networks | 4 |
| ITEC692 Systems Programming | 4 |
| ITEC699 Foundation Topic in Computing | 4 |

| Required 800 level or above units | Credit Points |
|---|---------------|
| ITEC801 Distributed Systems | 4 |
| ITEC803 Advanced Topics in Computer Networks | 4 |
| ITEC850 Network System Design | 4 |
| ITEC851 Mobile Data Networks | 4 |
| ITEC852 Advanced System and Network Security | 4 |
| ITEC855 Security Technologies and Forensic Analysis | 4 |

TOTAL CREDIT POINTS REQUIRED TO SATISFY THIS SPECIALISATION 40

*Computing bachelor graduates may apply for exemptions from these units.