Meet Your Course Coordinator

Master of Information Systems

For future leaders in IT Management & Business

Dr Sean Maynard
Course Director Master of Information Systems
School of Computing and Information Systems,
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Welcome to Melbourne (the University of)
Information Systems is the study of the interaction between technology and people. It uses hardware and software as tools to solve social and business problems.

**Technical Knowledge**
- databases, programming, etc

**Management Knowledge**
- managing change, knowledge management, data management and analytics, project and change management, etc

**Business Knowledge**
- business process management, etc
Database & Systems Administrators & ICT Security

Database and Systems Administrators, and ICT Security Specialists plan, develop, maintain, manage and administer organisations' database management systems, operating systems and security policies and procedures to ensure optimal database and system integrity, security, backup, reliability and performance.

- **Avg. Weekly Pay**: $1,693 Before Tax
- **Future Growth**: strong
- **Skill Level**: Bachelor Degree or higher

ICT Business and Systems Analysts

ICT Business and Systems Analysts work with users to formulate system requirements, develop system plans and documentation, review and evaluate existing systems, and design and modify systems to meet users’ business needs.

- **Avg. Weekly Pay**: $1,819 Before Tax
- **Future Growth**: moderate
- **Skill Level**: Bachelor Degree or higher

ICT Managers

ICT Managers plan, organise, direct, control and coordinate the acquisition, development, maintenance and use of computer and telecommunication systems within organisations.

- **Avg. Weekly Pay**: $2,105 Before Tax
- **Future Growth**: very strong
- **Skill Level**: Bachelor Degree or higher
MIS: Shaped by Industry

Some Industry partners

» National Australia Bank (NAB)
» PriceWaterhouseCoopers (PWC)
» SMS Management & Technology
» KPMG
» State Government, Victoria
» BHP Billiton
» Accenture
» Site Point
» ANZ Bank
» Australia Post

Our partners have *shaped* our programs in areas of high demand
Past Student Comments

“...it was that balance between the management side and the technical side which really meant the MIS stood out for me”

Stephen Edgeworth, Alcatel Luscent

“I chose the Master of Information Systems with Melbourne University because of the broad range of options I knew the course would provide for my future career.”

Lavinia Jayasainan, SAP Consultant, Accenture (Malaysia)

“My course was really supportive in preparing us for internships. We had workshops on resume building and improving our employability, which really helped during the interview process. I was able to secure an internship working as a business analyst, where I analysed and redesigned an organisation’s current processes.”

Alice Clarke, Business and Technology Delivery Analyst, Accenture
The School of Computing and Information Systems is an international research leader in computer science, information systems and software engineering. We are focused on delivering impact in the following key areas.

- **Computer science**: Current areas of excellence include programming languages, algorithms,
- **Data and knowledge**: We develop innovative solutions that create value from data, across all
- **Platforms and systems**: We create tools, techniques and architectures to support the
- **People and organisations**: We create information technology applications that directly affect people
MSE Welcome Celebration –
Engineering Student Lounge, Old Engineering Building 4:15-6:00 TODAY
Light refreshments
What’s life like in the MIS?

A Typical Day in the Uni

- What my friends think I do
- What my SO thinks I do
- What the society thinks I do
- What my parents think I do
- What I think I do
- What I actually do
Life in the MIS

» Lots of students
  – MIS, MIT, other Masters courses
» MIS Classes
  – What are MIS classes like?
  – When are MIS classes taught?
    – Weekly classes (Day / Evening), Block Mode classes
  – Academic Staff, supported by industry
  – Lectures / Seminars / Tutorials / Labs
  – Group work – Your employers expect it!
  – What is expected of you?
Some differences you may find in Australia:

- More unscheduled class time than at home
- Self-directed learning & less individual attention from lecturers
- More active discussion in tutorials
- Academics expect a more argumentative and less descriptive style of writing for essays and exams
- A different approach to grading assignments

The marking system was a bit difficult to adjust to. It’s quite difficult to get that H1 (80+), they’re much rarer here.

Fredrik, Germany
Examinations

» Important Reminder
  – It is expected that all students remain in Melbourne for the ENTIRE examination period and ideally until the release of results. (Semester 1 2019 - Friday 10 July 2019)
  – You must not book flights for departure during the exam period.
  – Staff don’t know when the exam is until you get told.
  – The exam timetable CANNOT be changed.
    – Not for Students
    – Not even for Staff
    – NO EXCEPTIONS!
The University uses the following marks scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Mark</th>
<th>Normal # students</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1</td>
<td>80% +</td>
<td>~20%</td>
</tr>
<tr>
<td>H2A</td>
<td>75% +</td>
<td>About 60-70% of students get grades in the H2-H2A range</td>
</tr>
<tr>
<td>H2B</td>
<td>70% +</td>
<td></td>
</tr>
<tr>
<td>H3</td>
<td>65% +</td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>50%+</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>&lt;50%</td>
<td>Usually 10% fail (less in Postgraduate)</td>
</tr>
</tbody>
</table>

Other Strange Grades you might see

- **49 NH**: This means you failed one of the subject hurdles
- **WAF**: The mark isn’t ready yet – it’s withheld
- **CNT**: The subject goes across more than one semester and thus there isn’t a mark yet – it’s continuing
Academic Integrity

» Rich tradition
  – The University of Melbourne expects the highest ethical standards from its students and staff in all areas of their academic work and professional behaviour. The work of each individual reflects on the academic and professional standing of the University as an institution that upholds ethical practice in research, learning, and teaching. Academic work submitted for assessment or publication must be the original work of the author or authors. If the ideas or words of others have been drawn upon, this must be thoroughly and clearly acknowledged using agreed scholarly conventions (Prof Richard James)

» [link](http://academichonesty.unimelb.edu.au/)

» A guide for how to reference sources in your reports is provided at [link](http://www.lib.unimelb.edu.au/cite/)
Academic Integrity in 2018 for MIS

» About 50 allegations of academic misconduct
» Many of these were cases of exam misconduct
  – Not putting pens down when told to or writing in reading time
  – Penalties ranged from educative exercises to 0 marks on the exam (fail)
» On non exam issues (around 30),
  – 2 found not guilty
  – 9 given substantial penalties (zero for subject or zero for the assignment)
    – Interesting case of copying work between semesters
  – 18 received reprimands and underwent educative exercises
  – 1 person was removed from the course
Most common forms of academic misconduct

» Copying and pasting from web sites or other published material, even if referenced (but not quoted)
» Same as 1) but then substituting some synonyms in the belief that it is paraphrasing
» Copying images and tables without acknowledgment
» Copying words, analysis, structure or style from other students (often from previous years)
» Using computer code from others without acknowledgment
» “Signing in” for other students where attendance is mandatory
» Not turning off mobile phones in exams
» Using Fake Medical Certificates
Easiest ways to avoid academic misconduct

» Compose the argument yourself, rather than modifying someone else’s.
» Develop and set out analysis yourself.
» Learn the fine detail of how to properly reference the work of others.
» Learn how to read a ‘Turn It In’ report so you can check a team mates work.
» Use a reference manager (EndNote or Mendeley)
» Decide whether you want to learn and maintain your self respect and values
Using FAKE medical certificates

In Australia you MUST see a doctor to get a Medical Certificate

Fake Medical Certificates... not a big deal, right?

Everyone struggles at the end of semester. Sometimes the stress to meet deadlines or the pressure of sitting exams becomes too difficult for some students.

In the past, this has led students to forge or falsify medical documents and certificates (or purchase falsified documents online) in order to obtain special consideration. **While this may not seem particularly serious, it definitely is.**

**DO NOT, under any circumstances, forge or falsify medical documents or HPR forms in order to obtain special consideration.** Falsifying documents is considered fraud and treated far more severely than other academic misconduct such as plagiarism. If you are caught falsifying medical documents for ANY REASON you are likely to have your *enrolment terminated.*

At the Advocacy Service we can help you with many things, but unfortunately if you are caught with falsified documents we are extremely limited in what we can achieve. Come and see us BEFORE things get too desperate so that we can help you apply for special consideration or explore other options that might be available to you.

Here are some videos we made a few years ago – **English, Mandarin,** and **Indonesian.** Tell your friends, spread the word. DO NOT USE FAKE DOCUMENTS. EVER.

Find out more about misconduct. If you need to, contact us here.

https://umsu.unimelb.edu.au/fake-med-cert/
Academic Integrity Training

» An online training module is available on the Learning Management System (LMS) for academic integrity

» **ALL STUDENTS MUST COMPLETE THIS TRAINING PRIOR TO THE SEMESTER STARTING. IN SOME SUBJECTS MARKS WILL NOT BE RELEASED UNTIL YOU COMPLETE THE TRAINING**

» I’ll show you when we get to the LMS
LMS Community COM_01074
Library Research Skills for Engineering & IT

» Self-paced.
» Basic and Advanced materials.
» Relate skills to your own research area.
» Access using the LMS Communities tab:

• COM_01074 is probably already listed.
  OR
• Click on ‘self enrol’ if COM_01074 is not listed.
Students in the Melbourne School of Engineering have access to an online resource to support you in developing and improving your library research skills.

The LMS Community “Library Research Skills for Engineering & IT” was developed by MSE and the University Library. It covers a broad range of topics that you can apply while carrying out your own research project.

Access to the community is via the LMS: For many MSE students, the community us already listed in the Communities tab in the LMS. Just click and explore!

– If the community is not listed on your LMS page, click on “self-enrol” in the Communities tab and follow the prompts. The Community ID number is COM_01074.

Any problems with access, or suggestions for improving the resource,

– please email Peta Humphreys, the Chief Engineering and Science Librarian, phump@unimelb.edu.au.
Course Structure

Master of Information Systems students complete a total of 200 points.
- Professional, Health or Research Specialisation. Students take one specialisation.
- Students with relevant work experience may be eligible to receive advanced standing
- MIS research specialisation only available to students who have received 37.5 points or less of advanced standing

https://currentstudents.eng.unimelb.edu.au/coursework/study-resources/
# Course Structure – MIS Professional

<table>
<thead>
<tr>
<th>Foundation Core</th>
<th>Lower Core</th>
<th>Upper Core</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISYS90026 Fund. of IS</td>
<td>ISYS90048 Mng. IT Infrast.</td>
<td>ISYS90032 Emerg. Tech.</td>
<td>Elective</td>
</tr>
<tr>
<td>INFO90002 Database</td>
<td>ISYS90045 Prof. IS Consult.</td>
<td>ISYS90038 IS Strat. Govern.</td>
<td>Elective</td>
</tr>
<tr>
<td>COMP90059 Intro. to Prog.</td>
<td>ISYS90050 Proj. Chng. Mngt.</td>
<td>ISYS90051 Imp. Digitisation</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Students who have gained advanced standing will complete a subset of these subjects depending on their background.
## Course Structure - MIS Health

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Foundation Core</strong></td>
<td>ISYS90026 Fund. of IS or ISYS90081 Bus. Proc. Mngt. ISYS90069 eHealth &amp; Biomed Systems INFO90002 Database COMP90059 Intro. to Prog.</td>
</tr>
<tr>
<td><strong>Upper Core</strong></td>
<td>ISYS90038 IS Strat. Govern. ISYS90043 Ent. Apps. Archs. ISYS90077 eHealth Apps &amp; Solutions ISYS90076 IT Infra. for Health</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>Elective Elective CAPSTONE CAPSTONE</td>
</tr>
</tbody>
</table>

**CAPSTONE:** Choose between ENGR90033 Internship (eHealth) or ISYS90079 Health IT Project

*Students starting in the 2nd half of the year MUST complete ISYS90069 concurrently with INFO90001 and ISYS90078 in their 2nd semester to complete their course within the 2 year period!*
### Research Specialisation Course Structure: Sample

<table>
<thead>
<tr>
<th>Foundation Core</th>
<th>Lower Core</th>
<th>Upper Core</th>
<th>Research</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISYS90026 Fund. of IS</td>
<td>ISYS90048 Mng. IT Infrast.</td>
<td>ISYS90049 Bus. Anal. &amp; Mod.</td>
<td>COMP90044 Research Methods</td>
<td>Elective</td>
</tr>
<tr>
<td></td>
<td>ISYS90032 Emerg. Tech.</td>
<td>ISYS90043 Ent. Apps. Archs.</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Research Method Subject *</td>
<td>Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ISYS90051 Imp. Digitisation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Placement of subjects depends on start semester and subject availability.

*May be EDUC90716 (Term 3), MAST90078 (Term 1), EDUC90717 (Term 4) or an Elective in your research area*
A note on course structure and completion of the Degree

» The published course plans give students an indication of a clash free timetable.

» If students play with the course plans and subsequently have a clash between subjects in their final semester
  – i.e. 2 subjects on at the same time
  – It is the students responsibility to deal with it
    – EVEN IF IT MEANS EXTENDING THE COURSE BY A SEMESTER

» Foundation core usually will not clash with lower core subjects

» Upper core and lower core subjects CAN CLASH on the timetable!

» Elective subject will clash with some classes
Course Structure – Electives

» Electives (Everyone, but dependent on specialisation)
  – Students normally select four (Professional), three (Research) or two (Health) subjects from the list of electives.
  – We group Electives into “Streams”
    – You can select electives from within a stream, or can select from multiple streams
  – A subject in the foundation, or lower core you haven’t done can be an elective (100 & 150 point students)
  – Students may also study electives from elsewhere in the University and if interested they should discuss this with the MIS coordinator.
  – Some electives may not be available in all specialisations
    – Check course advice sheets for each specialisation
Course Structure – Professional Specialisation Electives

» IS Project and Change Management
  – ISYS90040 Managing Change for IS Professionals – 2

» IT Service Provision
  – ISYS90034 B2B Electronic Commerce – 2
  – ISYS90036 Enterprise Systems – 1
  – ISYS90055 Managing IT Outsourcing – Summer
  – ISYS90070 Information Security Consulting – Winter

» Business Analytics
  – ISYS90086 Data Warehousing - Summer
  – MGMT90141 Business Analysis & Decision Making – Summer, 1&2
  – COMP90049 Knowledge Technologies – 1&2
  – MAST90044 Thinking and Reasoning with Data – 1

» IT Innovation
  – ISYS90035 Knowledge Management Systems – 1
  – ISYS90039 Innovation & Entrepreneurship in IT - 2
Course Structure – Professional Specialisation Electives

» Interaction Design
  – INFO90004 Evaluating the User Experience – 1
  – INFO90003 Designing Novel Interactions – 2019
  – INFO90006 Fieldwork for Design – 2
  – INFO90007 Social Computing 2

» Technical Subjects
  – Students can take any subject from the MIT (COMP9xxxx/ SWEN9xxxx) offerings as long as they have the prerequisite knowledge. See https://handbook.unimelb.edu.au/courses/MC-IT.

» Heath
  – ISYS90069 eHealth & Biomedical Informatics Syst. – 1
  – ISYS90078 Health Data, Information and Knowledge – 2
  – INFO90001 eHealth & Biomedical Informatics Methods – 2
  – ISYS90077 eHealth Applications and Solutions – 1
  – ISYS90076 IT Infrastructure for eHealth – 1
  – POPH90263 Technology and Ageing – Online – Oct
Course Structure – Professional Specialisation Electives

- **Spatial**
  - GEOM90008 Found. of Spatial Info.
  - GEOM90007 Spatial Visualisation
  - GEOM90015 Spatial Data Infrastructure
  - GEOM90018 Spatial Databases

- **General Management**
  - MGMT90140 Mgmt. Competencies
  - MGMT90144 Managing for Value Creation
  - MGMT90111 Management and Business Communication
  - MGMT90018 Managerial Psychology
  - ECON90015 Managerial Economics

- **Accounting & Finance**
  - ACCT90004 Accounting for Decision Making
  - ACCT90009 Strategic Cost Management
  - BISY90009 Managing Info. Technology
  - ACCT90012 Corporate Reporting
  - Operations & Marketing
  - MKTG90017 Internet Marketing
  - MKTG90007 Service Marketing
  - MKTG90004 Marketing Management
  - MKTG90008 Consumer Behaviour
Course Structure – Professional Specialisation Electives

» People Management
  – IBUS90004 Cross Cult Mgmt. & Teamwork
  – MGMT90011 Managing Stakeholders

» Areas of Electives:
  – Other Approved Electives
  – Other electives can be approved – You need to email the course coordinator with an explanation as to why you want to choose the elective.

» Industry Based Learning/Innovation Project
  – See each subject's handbook entry for the application process
  – Not available to students undertaking the Research Specialisation, or subjects from the Research Studies elective stream.
  – Students may only enrol in one of these subjects.
  – ENGR90033 Industry Based Learning (25 points)
Master of Information Systems (MC-IS)

Masters (Coursework)  Year: 2018  Delivered: On Campus (Parkville)

Overview
The Master of Information Systems (MIS) is a 200 credit point coursework degree for those interested in professional or research careers in IT management and digital business. Professionals supporting, managing and changing business processes through information and communications technology (ICT) and information systems. Elective streams are available.

https://handbook.unimelb.edu.au
### Timetables

**Subject: ISYS90026/U1/SM1 - Fundamentals of Information Systems**

<table>
<thead>
<tr>
<th>Class/Events</th>
<th>Description</th>
<th>Day</th>
<th>Start</th>
<th>Finish</th>
<th>Duration</th>
<th>Weeks</th>
<th>Location</th>
<th>Class/Events Date</th>
<th>Start Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar 1- Tuesday 3.15-5.15pm</td>
<td>Tuesday</td>
<td>15:15</td>
<td>16:45</td>
<td>1:30</td>
<td>10</td>
<td>PMR-Elisabeth Murdoch-006</td>
<td>05 Mar 2019</td>
<td>05 May 2019</td>
<td></td>
</tr>
<tr>
<td>Seminar 2- Tues 3.15-5.15pm</td>
<td>Tuesday</td>
<td>15:15</td>
<td>16:45</td>
<td>1:30</td>
<td>14</td>
<td>PMR-Elisabeth Murdoch-006</td>
<td>02 Apr 2019</td>
<td>02 Apr 2019</td>
<td></td>
</tr>
<tr>
<td>Seminar 3- Tues 3.15-5.15pm</td>
<td>Tuesday</td>
<td>15:15</td>
<td>16:45</td>
<td>1:30</td>
<td>19</td>
<td>PMR-Elisabeth Murdoch-006</td>
<td>07 May 2019</td>
<td>07 May 2019</td>
<td></td>
</tr>
<tr>
<td>Seminar 4- Tues 3.15-5.15pm</td>
<td>Tuesday</td>
<td>15:15</td>
<td>16:45</td>
<td>1:30</td>
<td>21</td>
<td>PMR-Elisabeth Murdoch-006</td>
<td>21 May 2019</td>
<td>21 May 2019</td>
<td></td>
</tr>
<tr>
<td>Seminar 5- Tues 3.15-5.15pm</td>
<td>Tuesday</td>
<td>15:15</td>
<td>16:45</td>
<td>1:30</td>
<td>22</td>
<td>PMR-Elisabeth Murdoch-006</td>
<td>28 May 2019</td>
<td>28 May 2019</td>
<td></td>
</tr>
<tr>
<td>Tutorial 1</td>
<td>Thursday</td>
<td>09:00</td>
<td>10:30</td>
<td>1:30</td>
<td>13</td>
<td>PMR-Alan Gilbert-G21 (Theatre 1)</td>
<td>28 Mar 2019</td>
<td>28 Mar 2019</td>
<td></td>
</tr>
</tbody>
</table>
Generating Your Timetable (Student Portal)

my.unimelb.edu.au
Currently we use Blackboard.

From 2020 we are moving to CANVAS for ALL subjects.

You may find that some of your subjects will use CANVAS in Semester 2 as a trial.
You should get access to the community over the next few days (I hope).
Welcome to the Academic Integrity Module

This introductory online module will guide you through some short exercises on topics including referencing, using sources, writing and note taking. Complete the academic integrity module by taking the self-assessment quiz to help consolidate your understanding and management of academic integrity issues as a student of the University of Melbourne.

To begin, go to Start here in the menu on the left to work your way through the module. We hope you enjoy this introduction and encourage you to use the further links and resources available to you from this site.

Every subject will have links to this Academic Integrity Page, and you must complete this!
Study guide

MASTER OF INFORMATION SYSTEMS STUDY GUIDE

This handbook is to be used only as a guide and all current information can be obtained via The University of Melbourne website: www.unimelb.edu.au

The links below include the welcome slides shown at the meet your coordinators session along with the current course plans and electives (subject to change) for each specialisation.

A video of this presentation should appear here

Course Coordinator: Sean Maynard, sean.maynard@unimelb.edu.au

- MASTER OF INFORMATION SYSTEMS WELCOME GUIDE [PDF]
- MASTER OF INFORMATION SYSTEMS PROFESSIONAL STUDY GUIDE [PDF]
- MASTER OF INFORMATION SYSTEMS RESEARCH STUDY GUIDE [PDF]
- MASTER OF INFORMATION SYSTEMS HEALTH STUDY GUIDE [PDF]
Administrative Services
Offers a range of services to help you succeed

**ADMISSIONS INFORMATION**
- Our courses
- Entry requirements
- Single subject studies
- Extension program

**SKILLS AND DEVELOPMENT SERVICES**
- Careers
- Academic skills
- Student connect
- Study abroad and exchange

**ADMINISTRATIVE AND INFORMATION SERVICES**
- Fees
- Transcripts and academic statements
- Scholarships and graduations

**ENROLMENT SERVICES**
- Course planning
- Enrolment assistance
- Special consideration
- Student equity

**SUPPORT SERVICES**
- Disability
- Elite athletes and international student support
- Housing
- Financial aid
- Safer Community Program

Ask online or check our FAQs
ask.unimelb.edu.au

Call us
13 MELB (13 6352)

PARKVILLE
SOUTHBANK
757 Swanston Street
234 St Kilda Road (VCA and MCM students only)
If you need ongoing assistance due to long-term circumstances, you can register with Student Equity and Disability Support.

We offer a range of support services:

- Alternative formats for written materials
- Support workers, such as note-takers
- Specialist equipment
- Assistive technology
- Accessible teaching spaces

Visit services.unimelb.edu.au/disability/students
Course Planning and Enrolment help

You can get course advice at any time from a Student Advisor at Stop 1. They can assist you to make informed decisions about:

• Subject selection
• Majors, minors and specialisations
• Study pathways
• Study Abroad and Exchange

Read our course planning page to get you started.

Access course planning resources
students.unimelb.edu.au/admin/course-planning/resources
FOLLOW US FOR THE LATEST UPDATES:

@uomstop1

FIND US ON FACEBOOK:

uomstop1

firstyearatunimelb
As a student, you may have ongoing or episodic circumstances that adversely affect your academic performance. These could include:

<table>
<thead>
<tr>
<th>Example circumstances</th>
<th>Example study adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic illness</td>
<td>Leave of absence</td>
</tr>
<tr>
<td>Disability</td>
<td>Reduced study load</td>
</tr>
<tr>
<td>Students with carer status</td>
<td>Alternative exam arrangements</td>
</tr>
<tr>
<td>Elite athletes or performers</td>
<td>Support, such as note-takers</td>
</tr>
<tr>
<td>Army Reservists</td>
<td>Specialist equipment/technology</td>
</tr>
</tbody>
</table>

If you have ongoing circumstances that may affect your studies, find out how to register for assistance at students.unimelb.edu.au/admin/special
Other Admin / Academic Issues - Advanced Standing

» If nothing has changed since your application
  – advanced standing (credits or exemptions) has already been assessed
» If there are changes since your application
  – Apply for more advanced standing (by the end of Week 1)
    – Just email MIS-HELP@unimelb.edu.au with your request
    – You will need to provide a transcript, syllabus for assessment, student ID
» If you think you have already studied a subject's content, contact MIS-HELP@unimelb.edu.au to discuss your options. For example:
  – students who have extensive work experience shouldn’t complete ISYS90045
  – students who have already studied programming are not allowed to complete the programming subject COMP90059, likewise for database INFO90002
Other Admin / Academic Issues – Changing Subjects

» If you see a subject in the Handbook that should be available in your course but you can’t find it in your Study Plan

1. Check the course plan for your specialisation
   - [https://currentstudents.eng.unimelb.edu.au/coursework/study-resources/](https://currentstudents.eng.unimelb.edu.au/coursework/study-resources/)

2. If it is listed then submit an [Enrolment Variation Form](https://enrolmentvariations.app.unimelb.edu.au)
   - [https://enrolmentvariations.app.unimelb.edu.au](https://enrolmentvariations.app.unimelb.edu.au)
   - Attach the approval Email (printed to pdf)

3. It will then be added to your Study Plan.
Other Admin / Academic Issues - Timetabling

» Avoid clashes
  – Some of the MIS subjects clash deliberately
  – You need to plan your course around these clashes
  – If a clash happens you will have to choose one subject over the other.

» Use the Class Registration Enquiry Management (CREM) system if you have any issues in completing your timetable that cannot be avoided
  – You will need to raise the issue in CREM for advice:
    https://youtu.be/vlSFIFeksCE

» NOTE – More than 10% of students having a clash may cause a subject to be moved, otherwise students are advised to change classes or put up with it
Careers, Exchange & Internships!
Employers looking for IS/IT Graduates include

- A.T. Kearney
- ACCA
- Accenture
- Aldi Store
- ANSTO
- ANZ
- Arup
- ASIO
- Atlassian
- Aurecon
- Australian Secret Intelligence Service
- BAE Systems
- Bain & Company
- BDO
- Beca
- BP

- Brookfield Multiplex Constructions
- Built
- Caterpillar
- CGU - Technology
- Citi
- Coles
- Corplex
- CPA Australia
- Cristal. Brilliance in Titanium
- Crowe Horwath
- Defence Graduate Opportunities
- Deloitte
- Dixon Advisory
- Engineers Australia
- Ericsson
- ExxonMobil
- EY
- GHD
- Golder Associates
- Grant Thornton Australia Limited
- Honeywell
- IBM
- IMC Pacific
- Institute of Chartered Accountants Aust
- Integrated Research
- KordaMentha
- KPMG
- Lend Lease
Employers looking for IS/IT Graduates include

- Mars Australia
- McGrathNicol
- Mondelez
- National Australia Bank
- Nexia Australia
- Norman Disney & Young
- Optiver
- Orica
- OSisoft
- **Pactera**
- Palantir Technologies
- Pitcher Partners
- **Professionals Australia**
- Protiviti
- **PWC**
- Redflex Traffic Systems
- RSM Bird Cameron Chartered Accountants
- **Schlumberger**
- **See Hoy Chan Group**
- Shell
- Sick Pty Ltd - Sensor Intelligence
- Sinclair Knight Merz
- State Government Victoria
- Teach For Australia
- UBS
- URS
- Venture Consulting
- VicRoads
- Vivir
- **Wood & Grieve Engineers**
- Wood Group PSN
- **Woodside Energy**
- WSP

*BOLD text means they also consider international students*
Going on Exchange / Study Abroad for some of your MIS degree

- [https://students.unimelb.edu.au/study-overseas](https://students.unimelb.edu.au/study-overseas)
- Usually its easiest to use your ELECTIVES for exchange.
  - Most of the UPPER core can not be used and SOME of the lower core
- Where do our students go
  - Germany - Muenster
  - USA – Boston, Texas, UCLA
  - Japan
  - UK
Join us. It’s Free!

facebook.com/cissa.unimelb

Sponsored By

- Pizza Lunches
- Industry Networking Night
- Tech Workshops
- Career Test
A few things to remember...

» Join CISSA which hosts a lot of the Industry Visits who are here just to talk to CIS students (ie. You).
» Come to our Employability Seminars (3 a semester) and use the Careers Online Resources; [http://careers.unimelb.edu.au/home](http://careers.unimelb.edu.au/home)
» Consider an Internship Subject in your second year;
  – ENGR90033 Industry Based Learning
Course Planning - This is Your Responsibility
Advanced Standing: Credit or Exemption?

» Credit
– You get the 12.5 points for that subject credited to your degree
– Occurs when
  – you have completed a similar subject at the same level (ie postgraduate)
  – You have applied for the 150 / 100 point program with work experience

» Exemption (or non-credit exemption)
– You replace the subject with an elective in your degree
– Occurs when you have covered the material in that subject in an undergraduate degree.
  – ALL core subjects get replaced by ISYS/INFO9xxxx, we also count ENGR90033 (as you would do an InfoSys Internship)
Master of Information Systems – Professional Specialisation
Course Coordinator: Dr Sean Maynard (MIS-HELP@unimelb.edu.au)
https://currentstudents.eng.unimelb.edu.au/coursework/study-resources/study-guide/

Course Planning – Professional Specialisation

This document outlines the preferred course plan for the MIS Professional Specialisation. This specialization is normally undertaken across 4 semesters (2 years) on a full time basis or 8 semesters (4 years) on a part time basis. Part time students should do no more than 2 subjects per semester. On application, students may apply for credit exemptions based on their background as specified in the MC-IS handbook entry https://handbook.unimelb.edu.au/2018/courses/mc-is/entry-participation-requirements. All credit exemptions must be processed by the end of the second week of your 1st semester.

There are 16 subjects of study:
- **Foundation Core:** 4 compulsory foundation subjects
- **Lower Core:** 4 compulsory subjects
- **Upper Core:** 4 compulsory subjects
- **Electives:** 4 subjects of your choice

Your course should progress through the foundation core subjects before you undertake the lower core subjects over the 1st year of your study. In your 2nd year you should undertake 2 upper core subjects and 2 elective subjects per semester. If you are thinking about undertaking exchange, then you should complete your 4 upper core subjects in a single semester leaving 4 elective subjects that can be used in the exchange program.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Level</th>
<th>Subject</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (full time) 1 &amp; 2 (part time)</td>
<td>Foundation Core</td>
<td>ISYS900026 Fundamentals of Information Systems</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foundation Core</td>
<td>ISYS90081 Business Process Management</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foundation Core</td>
<td>INFO90002 Database Systems &amp; Information Modelling</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foundation Core</td>
<td>COMP90059 Introduction to Programming</td>
<td></td>
</tr>
<tr>
<td>2 (full time) 3 &amp; 4 (part time)</td>
<td>Lower Core</td>
<td>ISYS90050 IT Project and Change Management</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lower Core</td>
<td>ISYS90048 Managing ICT Infrastructure</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lower Core</td>
<td>ISYS90049 Business Analysis Modelling and Design</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lower Core</td>
<td>ISYS90045 Professional IS Consulting</td>
<td></td>
</tr>
<tr>
<td>3 (full time)</td>
<td>Upper Core</td>
<td>ISYS900043 Enterprise Applications &amp; Architectures</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Upper Core</td>
<td>ISYS900033 IT Project and Change Management</td>
<td></td>
</tr>
</tbody>
</table>
Enrolling In Subjects

» When do I enrol in subjects for this year?
  – NOW – ASAP preferably before Wednesday
  – YES – the whole year (you won’t be billed yet for semester 2)

» When do I enrol in subjects for next year
  – In November

» How do I enrol?
  – Student Portal
Coordinator: Associate Professor Kathleen Gray  
Email: kgray@unimelb.edu.au  Tel: 8344 8936  
Office hours by appointment: Level 1, 202 Berkeley Street (Bldg 207)

Master of Information Systems  
Health specialisation
What will you learn?

» The digital transformation of healthcare is just beginning.
» Lots of labels: digital health, e-health, connected health, m-health, telehealth, etc.
» The foundation discipline for expert practice in this field is health informatics.
» The MIS (Health) works across two Faculties: ENG&IT and Medicine, Dentistry & Health Sciences.
<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Semester</th>
<th>Time</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISYS90069</td>
<td>EHealth and Biomedical Informatics Systems</td>
<td>Semester 1</td>
<td>Tuesday evenings</td>
<td>Dr Louise Schaper</td>
</tr>
<tr>
<td>INFO90001</td>
<td>EHealth and Biomedical Informatics Methods</td>
<td>Semester 2</td>
<td>Monday evenings</td>
<td>A/Prof Ann Borda</td>
</tr>
<tr>
<td>ISYS90078</td>
<td>Health Data, Information and Knowledge</td>
<td>Semester 2</td>
<td>Tuesday evenings</td>
<td>Ms Heather Grain</td>
</tr>
<tr>
<td>ISYS90076</td>
<td>IT Infrastructure for EHealth</td>
<td>Semester 1</td>
<td>Wednesday evenings</td>
<td>Mr Cameron Crampton</td>
</tr>
<tr>
<td>ISYS90077</td>
<td>EHealth Applications and Solutions</td>
<td>Semester 1</td>
<td>Tuesday evenings</td>
<td>Dr Greg Wadley</td>
</tr>
<tr>
<td>ISYS90079</td>
<td>Health IT Project OR</td>
<td>Semester 1;</td>
<td>Capstone! Independent work! Plan ahead!</td>
<td>[A/Prof Kathleen Gray]</td>
</tr>
<tr>
<td>ENGR90033</td>
<td>Internship with a health focus</td>
<td>Semester 2;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Summer 2019</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Elective choices in the MIS (Health) - any 2

- ISYS & COMP subjects – dozens to choose from AND / OR Health electives (+ a few from Science and Law)
- BINF90002 Elements of Bioinformatics - Semester 1
- LAWS70421 Health Law and Emerging Technologies - Semester 1
- POPH90013 Biostatistics - Semester 1
- POPH90018 Data Management & Statistical Computing - Term 1 (online); Semester 2
- POPH90263 Technology and Ageing - Term 4 (online)
- POPH90294 Consumer Participatory Health Technology - Semester 2 (4 half-days + online)
- HLTH90020 Digital Health & Information Services - Semester 2 (online)
- Many more subjects with prefixes HLTH or POPH
Where to from here?

» Local and global opportunities, but.. no standard career path
» Scan Seek to get ideas about jobs:
» Professional certification can make you stand out CHIA; CPHIMS; S Assoc HIMAA; MACHI & FACHI

What about a PhD in Health Informatics?

The MIS (Health) specialisation includes:

» a Methods subject, INFO90001

AND

» a Research Project subject, ISYS90079 (to be replaced by ISYS90109 and ISYS90110 in 2020 for students who have marks above 75%)

» An H1 result in each of these subjects, plus an H1 average across the rest of your subjects, is a good basis to apply for a Health Informatics PhD at the University of Melbourne or at another University.

If you are accepted into a relevant PhD program in Australia or New Zealand, you may apply for the Fellowship by Training program of the Australasian College of Health Informatics.
Get involved!

» Start building your professional networks.
» Take advantage of events on campus & around Melbourne.

» Send an email to health-informatics@unimelb.edu.au from your student email address. Say that you want to:
» Subscribe to the University’s monthly email newsletter about Health Informatics events
» Become a student member of industry associations HISA & HIMSS
  – at no cost, through the University’s institutional memberships

» The Health Informatics community welcomes newcomers!
RESEARCH
MIS Research Electives –
ONLY MIS with >37.5 Credit points

» 150/100pt MIS - through the 25pt research project
  – You need to work with the MIS coordinator early (In Your 1st Semester) if you want to explore this option! (to allow course planning for space in your degree)
  – 3 of your electives (37.5 points) become research subjects
  – Must complete (you need the MIS coordinator’s permission to enrol)
    – COMP90044 Research Methods
      – Need to have a potential supervisor lined up to work with during this subject
    – ISYS90044 Minor Research Project – Both Semesters (25 points)
      – Need to have an average mark of 75% with no subject below 65% to be allowed to enrol
      – Need to have a mark around 80% in COMP90044 to enrol in the subject
200pt MIS - through the MIS ‘Research Specialisation’

- The preferred pathway to research higher degrees
- Must Complete
  - COMP90044 Research Methods
  - One of
    - EDUC90716 Introduction to Qualitative Methods
    - MAST90070 Introduction to Quantitative Research
    - EDUC90717 Mixed Methods Research and Evaluation
  - Elective in their research field – needs permission from MIS coordinator
- 50 point research project
  - comprised from ISYS90100 to ISYS90108 - all research subjects of varied lengths
  - Usual enrolment would be ISYS90100 and ISYS90106
## Research Specialisation Course Structure: Sample

<table>
<thead>
<tr>
<th>S1</th>
<th>S2</th>
<th>S3</th>
<th>S4</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISYS90026 <strong>Fundamentals of Information Systems</strong></td>
<td>Research Method <em>(quant, qual or mixed)</em> OR Elective in your research area</td>
<td>ISYS90032 Emerging Technologies and Issues</td>
<td>ISYS90106 Information Systems Research Proj Major</td>
</tr>
<tr>
<td>COMP90044 <strong>Research Methods</strong></td>
<td>ISYS90038 IS Strategy and Governance</td>
<td>ISYS90051 Impact of Digitisation</td>
<td></td>
</tr>
<tr>
<td>ISYS90048 <strong>Information Technology Infrastructure</strong></td>
<td>ISYS90043 Enterprise Applications &amp; Architectures</td>
<td>ISYS90100 Information Systems Research Proj Major</td>
<td></td>
</tr>
<tr>
<td>ISYS90049 <strong>Process Analysis Modelling and Design</strong></td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Note: Placement of subjects depends on start semester and subject availability

* May be EDUC90716 (Term 3), MAST90078 (Term 1) or EDUC90717 (Term 4)
The MIS research-track is not an easy option (but it is interesting)

Selection is highly competitive, is based on marks and on capacity for supervision

Criteria (normally):

- an average of 75% with no result below 65%
- an average of around 80% in BOTH of the research methods subjects (COMP90044 and one of MAST90070, EDUC90716, or EDUC90717 or Elective in research area)
- a working relationship with their supervisor whilst studying COMP90044
- an agreement for supervision and a project defined with a staff member once you have completed COMP90044

Normally research projects are completed in at least two semesters

- 12.5 points followed by the balance of 37.5 points at the end of your degree
A list of research projects is available from


In particular -
you will need your log in details…

Talk to staff members (especially on the east side of level 9, and level 10 of Doug McDonell)
Research Project Examples

» Ameliorating Social Isolation in Older People
» Using InfoSys for Smoking Cessation
» Emerging technologies to support human well-being
» Modelling the Benefits of Ontology Adoption
» Exploring the Potential of Electronic Commerce in Developing Countries
» Designing interfaces to support group coordination in online multiplayer games
» Measuring the Level of Trust between Trading Partners
» Managing knowledge in organizational contexts
» Adoption of Green Supply Chain Management (GrSCM) Initiatives
» The role of Social networks and Artefacts in Technology Appropriation
» Interaction Design for Information Intensive Applications – World of Warcraft Raiding
» Designing web and smart-phone applications for young psychosis patients
» The Use of Educational Technologies and Social Media in Higher Education
» Teaching Strategies for Information Security Management
» Teleworking and (In)security
» Security and mobility: What does Bring Your Own Device (BYOD) mean for security?
» The best defense is a good offense: Legal limitations to offensive activities by private enterprise
» Preserving the confidentiality of electronic patient records
» What can Information Security learn from Information Warfare?
» The application of formal and informal theories to information security management
» Digital Memorials and Commemoration Practices

Talk to staff members (east side of level 9, and level 10 of Doug McDonell)
What do you do Now?
Who Do I Ask About...

» Administration (Stop 1)
  – Fees
  – Issues with enrolling in subjects
  – Issues dealing with course administration, visas, etc
  – Course Advice (you will need an appointment)
    – General questions about subjects
    – General questions about which subjects to choose to become a …
    – If they can't help you then you can email MIS-HELP@unimelb.edu.au

INCLUDE YOUR STUDENT ID IN ALL EMAILS
Who Do I Ask About...

» Academic ([MIS-HELP@unimelb.edu.au](mailto:MIS-HELP@unimelb.edu.au))
  - Advanced Standing (must be completed by the end of week 2 of your 1st semester – its too late after this)
    - Getting credit from past studies
      - must be postgraduate level from a completed degree
    - Getting exemptions from subjects
      - can be ugrad subjects or pgrad subjects
  - Changing your course plan (course advice – go to stop 1 in the 1st instance)
    - Approval to enrol in
      - Research Specialisation (MIS 200) and Research Subjects
      - Health Specialisation
    - Changing core subjects in your course plan (rarely approved)
    - Once you get approval you then need to submit an [Enrolment Variation Form](mailto:Enrolment Variation Form) attaching the approval
I NEED HELP!

» COURSE ADVICE:
  – Refer to the course advice documents, replacing exempted subjects with electives
  – Ask Stop 1!
  – Then if you still need help
    – Email [MIS-HELP@unimelb.edu.au](mailto:MIS-HELP@unimelb.edu.au)
I NEED HELP!

» if you have other issues
  – Special consideration
  – Other issues affecting your study
  – enrolling in a subject (eg a sanction) or with administrative things
    – See the Stop 1
      – Bear in mind – last semester had 3-4 hour waiting lines and 7 day delays in responding to email.
» If you:
   – know any student who hasn’t attended this session
   – think you should have received credits or exemptions
   – have extra ordinary issues with selecting subjects
     – see Sean Maynard (Level 10.22 Doug McDonell Building) at the following times (drop in at any time)
       – Tuesday 26 Feb 8am -11am
       – Thursday 28 Feb 8am -10am
       – Friday 8 Mar 8am – 10am
     – Wednesday 27 Feb 8am -11am
     – Monday 4 Mar 8am – 10am
     – Monday 11 Mar 8am – 10am
   – I AM NOT AVAILABLE IN WEEK 0, 1, or 2 outside these times
   – You will need your past transcripts AND your offer letter.
Where is Doug McDonell
» If you want to do RESEARCH
  – you need to attend the following information session
  – Wednesday 18 July 12:00pm – 2pm, Room 10.05 Doug McDonell Building
  – be there from the start (it probably won’t go for 2 hours)
  – If you miss this session it is likely you will not be able to do research in the MIS – it’s a decision you need to make before you start semester!
Questions!

» General - Ask Now…

» Individual Questions
   Raf and I will answer questions after this session

» Questions after this session
   – EMAIL – MIS-HELP@unimelb.edu.au
Thank you and good luck in the Master of Information Systems

Dr Sean Maynard
Course Director Master of Information Systems
School of Computing and Information Systems,
Melbourne School of Engineering
LinkedIn  http://www.linkedin.com/in/seanbm69

Email: MIS-HELP@unimelb.edu.au