Course Planning – Research

MIS Course Coordinator approval is required for research subjects (ISYS90100-ISYS90110). Students will normally be required to achieve a 75% average with no subject receiving less than 65%. Students will also normally achieve a mark of 80% in COMP90044 Research Methods to continue their research studies. Entry is dependent on the availability of a suitable supervisor for the chosen area of research which should be organized whilst COMP90044 is being undertaken.

MC-IS Research Studies - Elective Stream

Only available to students who receive 50 or more credit points upon entry to the MIS

Research is undertaken through the “Research Studies” elective stream. In this stream you take COMP90044 Research Methods in your 1st or 2nd semester, followed by ISYS90109 Information Systems Min Res Project Pt 1 & ISYS90110 Information Systems Min Res Project Pt 2 (these may be taken concurrently in 1 semester or across 2 semesters).

MC-IS – Research Specialisation - Only Available to 200 Point Students

This document outlines the preferred course plan for the MIS Research Specialisation. This specialisation 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. Students are only formally moved to this specialization after they have completed the 1st year. Students must meet with the course coordinator in O-Week for course planning guidance if they are thinking about undertaking the research specialization.

There are 16 subjects of study:

Foundation Core: 3 foundation subjects

Upper Core: 2 compulsory subjects

Research: 4 subjects of research

Lower Core: 4 compulsory subjects

Electives: 3 subjects of your choice

<table>
<thead>
<tr>
<th>Semester</th>
<th>Level</th>
<th>Subject</th>
<th>Comments</th>
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<tbody>
<tr>
<td>1</td>
<td>Foundation Core</td>
<td>ISYS90026 Fundamentals of Information Systems</td>
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<tr>
<td></td>
<td>Foundation Core</td>
<td>COMP90044 Research Methods</td>
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<td></td>
<td>Lower Core</td>
<td>ISYS90049 Digital Business Analysis</td>
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<td></td>
<td>Lower Core</td>
<td>ISYS90048 Managing ICT Infrastructure</td>
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<tr>
<td>2</td>
<td>Foundation Core</td>
<td>a second Research Methods subject or an elective in your research area</td>
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<tr>
<td></td>
<td>Upper Core</td>
<td>ISYS90038 IS Strategy and Governance</td>
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<tr>
<td></td>
<td>Upper Core</td>
<td>ISYS90043 Enterprise Applications &amp; Architectures</td>
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<tr>
<td></td>
<td>Elective</td>
<td>choose ONE – see Electives</td>
<td></td>
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<tr>
<td>3</td>
<td>Upper Core</td>
<td>ISYS90032 Emerging Technologies and Issues</td>
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<td></td>
<td>Upper Core</td>
<td>ISYS90051 Impact of Digitisation</td>
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<tr>
<td></td>
<td>Research</td>
<td>ISYS90100 Information Systems Major Research Project Pt1</td>
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<td></td>
<td>Elective</td>
<td>choose ONE – see Electives</td>
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<tr>
<td>4</td>
<td>Research 37.5 Points</td>
<td>ISYS90106 Information Systems Major Research Project Pt2</td>
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<tr>
<td></td>
<td>Elective</td>
<td>choose ONE – see Electives</td>
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</table>

1 – Students can select from 3 additional Foundation Research Methods subjects as follows:
- EDUC90717 Mixed Methods Research & Evaluation – Only offered Term 4 (Oct) OR
- EDUC90716 Qualitative Methods for Evaluation – Only offered Term 3 (Jul) OR
- MAST90078 Quantitative Methods for Evaluation – Only offered Term 2 (Apr)
Students would normally select three subjects from the list of electives. Students may also study electives from elsewhere in the University and if interested they should discuss this with the MIS coordinator.

**MIS Core Subjects**
- ISYS90081 Business Process Management
- INFO90002 Database Systems & Information
- COMP90059 Introduction to Programming (from 2019)
- ISYS90045 Professional IS Consulting
- ISYS90050 IT Project and Change Management

**IS Project & Change Management**
- ISYS90040 Managing Change for IS Professionals

**IT Service Provision**
- ISYS90034 B2B Electronic Commerce
- ISYS90036 Enterprise Systems
- ISYS90055 Managing IT Outsourcing
- ISYS90070 Information Security Consulting

**Business Analytics**
- ISYS90086 Data Warehousing
- MGMT90141 Business Analysis & Decision Making
- COMP90049 Knowledge Technologies
- MAST90044 Thinking and Reasoning with Data

**IT Innovation**
- ISYS90035 Knowledge Management Systems
- ISYS90039 Innovation & Entrepreneurship in IT
- ISYS90087 Service Management and Innovation (rested)

**Business Process Management**
- ISYS90112 Business Process Modelling & Analysis

**Advanced Information Systems Electives**
Students who have a weighted average mark of at least 75% and have completed 75 points in the MIS may be able to complete these on-line advanced electives.
- ISYS90089 Strategic Change Leadership
- ISYS90090 Cyber Security Management
- ISYS90092 Outsourcing and Contracting
- ISYS90093 Technopreneurship and Innovation
- ISYS90094 Business Analytics and Decision Making
- ISYS90097 Information Economy and Society

**Health**
- ISYS90069 eHealth and Biomedical Informatics Systems
- ISYS90078 Health Data, Information and Knowledge
- INFO90001 eHealth & Biomedical Informatics Methods
- ISYS90076 IT Infrastructure for eHealth
- ISYS90077 eHealth Applications and Solutions
- POPH90263 Technology and Ageing

**Interaction Design**
- INFO90004 Evaluating the User Experience
- INFO90003 Designing Novel Interactions
- INFO90006 Fieldwork for Design
- INFO90007 Social Computing

**Technical Computing**
Students can take any subject from the MIT (COMP9xxxx/ SWEN9xxxx) offerings as long as they have the prerequisite knowledge. Student need to email MIS-HELP with their request. For a list of subjects. See https://handbook.unimelb.edu.au/courses/MC-IT

**Spatial**
- GEOM90008 Foundations of Spatial Information
- GEOM90007 Information Visualisation
- GEOM90015 Spatial Data Infrastructure
- GEOM90018 Spatial Databases

**General Management**
- MGMT90140 Management Competencies
- MKTG90037 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 Information Technology
- ACCT9012 Corporate Reporting

**Operations & Marketing**
- MGMT90032 Operations & Process Management
- MKTG90017 Digital Business and Marketing
- MKTG90007 Service Marketing
- MKTG90004 Marketing Management
- MKTG90008 Consumer Behaviour

**People Management**
- IBUS90004 Cross Cultural management & Teamwork
- MGMT90011 Managing Stakeholders