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)</td>
<td>Foundation</td>
<td>ISYS90026 Fundamentals of Information Systems</td>
<td></td>
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<tr>
<td>1 &amp; 2 (part time)</td>
<td>Foundation</td>
<td>ISYS90081 Business Process Management</td>
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<td></td>
<td>Foundation</td>
<td>INFO90002 Database Systems &amp; Information Modelling</td>
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<td></td>
<td>Foundation</td>
<td>COMP90059 Introduction to Programming</td>
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<tr>
<td>2 (full time)</td>
<td>Lower Core</td>
<td>ISYS90050 IT Project and Change Management</td>
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<tr>
<td>3 &amp; 4 (part time)</td>
<td>Lower Core</td>
<td>ISYS90048 Managing ICT Infrastructure</td>
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<td></td>
<td>Lower Core</td>
<td>ISYS90049 Digital Business Analysis</td>
<td></td>
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<tr>
<td></td>
<td>Lower Core</td>
<td>ISYS90045 Professional IS Consulting</td>
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<tr>
<td>3 (full time)</td>
<td>Upper Core</td>
<td>ISYS90043 Enterprise Applications &amp; Architectures</td>
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<td>5 &amp; 6 (part time)</td>
<td>Upper Core</td>
<td>ISYS90038 IS Strategy and Governance</td>
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<td></td>
<td>Elective</td>
<td><em>choose ONE</em> – see Electives</td>
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<td></td>
<td>Elective</td>
<td><em>choose ONE</em> – see Electives</td>
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<tr>
<td>4 (full time)</td>
<td>Upper Core</td>
<td>ISYS90032 Emerging Technologies and Issues</td>
<td></td>
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<tr>
<td>7 &amp; 8 (part time)</td>
<td>Upper Core</td>
<td>ISYS90051 Impact of Digitisation</td>
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</tr>
<tr>
<td></td>
<td>Elective</td>
<td><em>choose ONE</em> – see Electives</td>
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<td>Elective</td>
<td><em>choose ONE</em> – see Electives</td>
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</table>

Students showing past expertise in foundation and lower core subjects may be able to replace them with ISYS / INFO9xxxx electives. For instance,

- If you have already studied database, then INFO90002 will be replaced by an ISYS / INFO9xxxx elective in your course.
- If you have already worked in industry, especially as a consultant you may be able to get an exemption from ISYS90045, email the course coordinator to discuss.

All exemptions are assessed in the application process. If you haven’t been given exemptions to subjects that you think you should have been, send an email (including your degree transcripts AND STUDENT ID) to MIS-HELP@unimelb.edu.au, stating exactly what you require.

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Students would normally select four 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.

**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

**Industry Based Learning**
- An application process must be completed for these subjects, see each subject’s handbook entry.
- Not available to students undertaking subjects from the Research Studies elective stream.
- Students may only enrol in one of these subjects.

**Technical Computing**
Students can take any subject from the MIT (COMP9xxxx/SWEN9xxxx) offerings if 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
- ACCT90012 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

**Research Studies**
- Only available to students who have received 50 points or more of Advanced Standing. Other students should consider the MIS research specialisation.
- MIS Course Coordinator approval is required for each subject. Students will normally be required to achieve at least a 75% average with no subject receiving less than 65%. Students will also normally achieve a mark of 80% in Research Methods to be able to continue in the research studies elective stream. Entry is dependent on the availability of a suitable supervisor for the chosen area of research.
- Not available to students undertaking any subject from the Industry Based Learning elective stream.

Both of:
- ISYS90109 Information Systems Min Res Project Pt 1
- ISYS90110 Information Systems Min Res Project Pt 2