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](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 Core</td>
<td>ISYS90026 Fundamentals of Information Systems</td>
<td></td>
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<tr>
<td>1 &amp; 2 (part time)</td>
<td>Foundation Core</td>
<td>ISYS90081 Business Process Management</td>
<td></td>
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<td></td>
<td>Foundation Core</td>
<td>INFO90002 Database Systems &amp; Information Modelling</td>
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<td></td>
<td>Foundation Core</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>
<td></td>
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<tr>
<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>
<tr>
<td>3 (full time)</td>
<td>Upper Core</td>
<td>ISYS90043 Enterprise Applications &amp; Architectures</td>
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<tr>
<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>choose ONE – see Electives</td>
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<td></td>
<td>Elective</td>
<td>choose ONE – see Electives</td>
<td></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>
<td></td>
<td>Elective</td>
<td>choose ONE – see Electives</td>
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<td>Elective</td>
<td>choose ONE – see Electives</td>
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</tbody>
</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](mailto: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 email MIS-HELP@unimelb.edu.au.

**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
MGMT90248 Analytics and Society (online)
MAST90044 Thinking and Reasoning with Data
MGMT90141 Business Analysis & Decision Making
COMP90075 Text Analytics (online)
COMP90076 Social Analytics (online)
MAST90131 Measurement Analytics (online)
MAST90135 Foundations of Analytics (online)
MAST90134 Advanced Elements of Analytics (online)
GEOM90007 Information Visualisation

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

**Business Process Management**
ISYS90112 Business Process Analytics

**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 Digital Transformation of Health
ISYS90078 Health Data Design and Management
INFO90001 Health informatics methods
ISYS90076 IT Infrastructure for Digital Health
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 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

**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.

**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.

**Computer Science**
COMP90044 Research Methods
Both of:
ISYS90109 Information Systems Min Res Project Pt 1
ISYS90110 Information Systems Min Res Project Pt 2