# Master of Information Technology (C6001) – 2020

## Industry Experience Stream

### Year 1 (48 credit points)

<table>
<thead>
<tr>
<th>First Semester</th>
<th>FIT9131 Programming foundations in Java</th>
<th>FIT9132 Introduction to databases</th>
<th>FIT9136 Algorithms and programming foundations in python</th>
<th>FIT9137 Introduction to computer architecture and networks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Semester</td>
<td>FIT5057 Project management</td>
<td>FIT5125 IT research methods</td>
<td>FIT5136 Software engineering [FIT9131 or FIT9136]</td>
<td>Information Technology core unit *</td>
</tr>
</tbody>
</table>

### Year 2 (48 credit points)

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Information Technology core unit *</th>
<th>Information Technology core unit *</th>
<th>Level 5 FIT Elective</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Second Semester</td>
<td>FIT5120 Industry experience project (12 points)</td>
<td>FIT5122 IT professional practice [Co-requisite: FIT5120]</td>
<td>Level 5 Elective</td>
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## Research Stream

### Year 1 (48 credit points)

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<th>FIT9131 Programming foundations in Java</th>
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<td>Second Semester</td>
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### Year 2 (48 credit points)

<table>
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<tr>
<th>First Semester</th>
<th>FIT5126 Masters thesis part 1 [Refer to handbook]</th>
<th>Information Technology core unit *</th>
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<th>Level 5 FIT Elective</th>
</tr>
</thead>
</table>

## Foundation | Core Master's Studies | Advanced Practice

### Information Technology Core Units:
- FIT5032 Internet applications development
- FIT5042 Enterprise application development on the web
- FIT5046 Mobile and distributed computing systems
- FIT5137 Advanced database technology
- FIT5138 Advanced software engineering
- FIT5140 Advanced mobile systems
- FIT5152 User interface design and usability
- FIT5166 Information retrieval systems
- FIT5171 System validation and verification, quality and standards
- FIT5195 Business intelligence and data warehousing
- FIT5202 Data processing for big data

## Notes
- **Credit points:** Unless specified, all units are worth 6 credit points. The Master of Information Technology: 16 units x 6cp = Total of 96 credit points
- **Year Level Requirements:**
  1. A maximum of 24 points of level 9 (foundation) units will be counted;
  2. At least 72 points must be completed at level 5.
- **Unit requisites:** All pre-requisite and co-requisite requirements must be undertaken in order to be able to enrol into a specific unit.
- **Duration of degree:** 2 years full-time, 4 years part-time.
- **Time limit:** Time limit = 6 years. Students have six years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the eight years.
- **Monash University handbook:** Students should follow the course requirements for the year the course was commenced [https://handbook.monash.edu/browse/Faculty%20of%20Information%20Technology](https://handbook.monash.edu/browse/Faculty%20of%20Information%20Technology)