MSc IT+ Handbook 2022-2023

MSc Information Technology
MSc Software Development

Disclaimer

Although the information contained in this document is believed to be accurate at the time of writing, changes in circumstances may require modifications during the year.

Last Updated 24 August 2022
Programme Information

We offer two one-year taught Masters conversion programmes, known collectively as **MSc IT+**:  
- MSc Information Technology  
- MSc Software Development

These are designed for graduates who have good undergraduate degrees in subjects other than core computing and who wish to acquire advanced IT skills.

For the official degree structure of all programmes, please see:  
http://www.gla.ac.uk/postgraduate/taught/

Essential Contacts

Student Support and Enquiries Office  
Opening Hours: Monday – Friday from 09:00 – 16:30  
Enquiries: SoCS Helpdesk  
Office: Ground floor, Sir Alwyn Williams Building

Dr Christos Anagnostopoulos  
MSc (IT+) Programme Director  
Email: Christos.Anagnostopoulos@glasgow.ac.uk  
Office: Room S114, Sir Alwyn Williams Building

Dr Euan Freeman  
Deputy Director for MSc Programmes  
Email: Euan.Freeman@glasgow.ac.uk  
Office: Room 220A, Sir Alwyn Williams Building

Dr Mark McGill  
MSc (IT+) Projects Coordinator  
Email: Mark.McGill@glasgow.ac.uk  
Office: Sir Alwyn Williams Building
## MSc Information Technology

Information Technology is everywhere. Graduates equipped with advanced IT skills enjoy a significant advantage in pursuing their careers, whatever their degree subjects. Our MSc Information Technology programme teaches non-computing graduates the skills needed to develop substantial software application systems, including web-based applications and information systems.

### Weeks

<table>
<thead>
<tr>
<th>Weeks</th>
<th>Orientation</th>
<th>Enrolment</th>
<th>Mandatory:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 1 to 11 | Semester 1 | **Mandatory:** | - Programming COMPSCI4039 (20 credits)  
- Enterprise Cyber Security COMPSCI5077 (15 credits)  
- Systems and Networks COMPSCI4043 (10 credits)  
- Database Theory and Application COMPSCI5076 (10 credits)  
- Software Engineering COMPSCI5059 (5 of 15 credits) |

**Note:** Software Engineering is taught in both semesters, for 15 total credits.

| 12 to 13 | Revision / Exams | All Semester 1 courses will be examined at this time. |
| 14 to 16 | Vacation | |
| 17 to 27 | Semester 2 | **Mandatory (all 10 credits):** |

- Software Engineering (10 of 15 credits)  
- MSc IT+ Team Project (M) COMPSCI5074

**Electives (all 10 credits, choose four):**

- Advanced Programming (M) COMPSCI5002  
- Algorithms & Data Structures (M) COMPSCI5004  
- CyberSecurity Fundamentals for MSc COMPSCI5063  
- Internet Technology (M) COMPSCI5012  
- Human Computer Interaction Design & Evaluation (M) COMPSCI5057  
- Information Visualisation (M) COMPSCI5099  
- Cryptography and Secure Development COMPSCI5079  
- Forensics (M) COMPSCI5080

**Note:** Software Engineering is taught in both semesters, for 15 total credits.

| 28 to 30 | Vacation | |
| 31 to 35 | Revision / Exams | All Semester 2 courses will be examined at this time. |
| 36 to 38 | Vacation | |
| 39 to 50 | Semester 3 | MSc Project For Information Technology+ COMPSCI5018P (60 credits) |
MSc Software Development

If you have a good undergraduate degree in a subject other than computing and you want to learn how to develop high-quality software, then our MSc Software Development programme is designed for you.

<table>
<thead>
<tr>
<th>Weeks</th>
<th>Orientation</th>
<th>Enrolment</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 to 11</td>
<td>Semester 1</td>
<td><strong>Mandatory:</strong></td>
</tr>
<tr>
<td>12 to 13</td>
<td>Revision / Exams</td>
<td>All Semester 1 courses will be examined at this time.</td>
</tr>
<tr>
<td>14 to 16</td>
<td>Vacation</td>
<td></td>
</tr>
<tr>
<td>17 to 27</td>
<td>Semester 2</td>
<td><strong>Mandatory</strong> (all 10 credits):</td>
</tr>
<tr>
<td>28 to 30</td>
<td>Vacation</td>
<td></td>
</tr>
<tr>
<td>31 to 35</td>
<td>Revision / Exams</td>
<td>All Semester 2 courses will be examined at this time.</td>
</tr>
<tr>
<td>36 to 38</td>
<td>Vacation</td>
<td></td>
</tr>
<tr>
<td>39 to 50</td>
<td>Semester 3</td>
<td><strong>MSc Project For Information Technology+</strong> COMPSCI5018P (60 credits)</td>
</tr>
</tbody>
</table>

**Mandatory:**
- Programming COMPSCI4039 (20 credits)
- Enterprise Cyber Security COMPSCI5077 (15 credits)
- Systems and Networks COMPSCI4043 (10 credits)
- Database Theory and Application COMPSCI5076 (10 credits)
- Software Engineering COMPSCI5059 (5 of 15 credits)

**Note:** Software Engineering is taught in both semesters, for 15 total credits.

**Electives** (all 10 credits, choose two):
- CyberSecurity Fundamentals for MSc COMPSCI5063
- Internet Technology (M) COMPSCI5012
- Human Computer Interaction Design & Evaluation (M) COMPSCI5057
- Information Visualisation (M) COMPSCI5099
- Cryptography and Secure Development COMPSCI5079
- Forensics (M) COMPSCI5080

**Note:** Software Engineering is taught in both semesters, for 15 total credits.
**Changing MSc Programme**

Under certain circumstances, the following programme/course changes may be possible, subject to availability and with permission from the relevant Programme Directors.

Please remember that the degree that you have been given an offer for is the one you have applied for, and for which we have determined you are suitable for. Please do not change degree programme simply because you can – think carefully about what it means and the possible implications it may have on your employability prospects. Please also think about what it means with respect to any visa, scholarship or employment documentation or constraints you might have that are specifically associated with the name of your original degree programme.

Please note that you can only change your programme **once** and may only change programme **after** you have completed enrolment.

Requests for programme change **must** come from your University of Glasgow email address (@student.gla.ac.uk); all other requests will be ignored.

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any</td>
<td>MSc DS</td>
<td>This is not possible; the MSc Data Science programme is full.</td>
</tr>
<tr>
<td>MSc IT+</td>
<td>MSc CS+</td>
<td>Send your email request to the MSc CS+ Programme Director <strong>before the end of Week 2</strong>.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A decision will be made based on your application information. Note that only students whose undergraduate transcript includes a very high proportion of appropriately advanced academic Computing Science subjects will be considered for this change.</td>
</tr>
<tr>
<td>MSc IT</td>
<td>MSc SD</td>
<td>You can make this decision at the end of Semester 1. Please email your request to the MSc IT+ Programme Director <strong>before the end of Week 17</strong>.</td>
</tr>
<tr>
<td>MSc SD</td>
<td>MSc IT</td>
<td>You can make this decision at the end of Semester 1. Please email your request to the MSc IT+ Programme Director <strong>before the end of Week 17</strong>.</td>
</tr>
</tbody>
</table>