University of Glasgow | School of Computing Science

MSc CS+ Handbook 2022-2023

MSc Computing Science

MSc Data Science

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 specialist programmes, known collectively as **MSc CS+**:

- MSc Computing Science
- MSc Data Science

These are designed for graduates who have good undergraduate degrees in computing and who wish to advance their knowledge and software engineering 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 Kevin Bryson

MSc (CS+) Programme Director
Email: Kevin.Bryson@glasgow.ac.uk
Office: Room S113, Sir Alwyn Williams Building

Dr Euan Freeman

Deputy Director for MSc Programmes
Email: Euan.Freeman@glasgow.ac.uk
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Dr Jose Cano Reyes

MSc (CS+) Projects Coordinator
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Office: Room 206, Sir Alwyn Williams Building

MSc Computing Science

Weeks		
0	Orientation	**Enrolment**
1 to 11	Semester 1	**Mandatory**: • Programming and Systems Development COMPSCI4084 (20 credits) • Introduction to Data Science and Systems COMPSCI5089 (15 credits) • Research & Professional Skills COMPSCI5092 (10 credits) **Electives** (choose one): • Enterprise Cyber Security COMPSCI5077 (15 credits) • Machine Learning/AI for Data Scientists COMPSCI5100 (15 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	**Electives** (all 10 credits, choose six): Web Science for MSc COMPSCI5107 Information Retrieval (M) COMPSCI5011 Deep Learning for MSc COMPSCI5103 Big Data (M) COMPSCI5088 Text as Data for MSc COMPSCI5106 CyberSecurity Fundamentals for MSc COMPSCI5063 Human-Centred Security (M) COMPSCI5060 Secured Software Engineering for MSc COMPSCI5104 Internet Technology (M) COMPSCI5012 Human Computer Interaction Design and Evaluation (M) COMPSCI5057 Information Visualisation (M) COMPSCI5099 Mobile Human-Computer Interaction for MSc COMPSCI5112 Cryptography and Secure Development COMPSCI5079 Forensics (M) COMPSCI5080 **Note:** You must choose at least one security course (COMPSCI5063, COMPSCI5060, COMPSCI5079, COMPSCI5080) if you did not study Enterprise Cyber Security in Semester 1. **Note:** You can only take Deep Learning for MSc if you studied Machine Learning/AI for Data Scientists in Semester 1.
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 Computing Science+ COMPSCI5086P (60 credits)

MSc Data Science

Weeks		
0	Orientation	**Enrolment**
1 to 11	Semester 1	**Mandatory**: • Programming and Systems Development COMPSCI4084 (20 credits) • Introduction to Data Science and Systems COMPSCI5089 (15 credits) • Research & Professional Skills COMPSCI5092 (10 credits) • Machine Learning/AI for Data Scientists COMPSCI5100 (15 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	**Data Science Electives** (all 10 credits, choose at least four): Web Science for MSc COMPSCI5107 Information Retrieval (M) COMPSCI5011 Deep Learning for MSc COMPSCI5103 Big Data (M) COMPSCI5088 Text as Data for MSc COMPSCI5106 **Security Electives** (all 10 credits, choose at least one): CyberSecurity Fundamentals for MSc COMPSCI5063 Human-Centred Security (M) COMPSCI5060 Cryptography and Secure Development COMPSCI5079 Forensics (M) COMPSCI5080 **Electives** (all 10 credits, choose at most one): Secured Software Engineering for MSc COMPSCI5104 Internet Technology (M) COMPSCI5012 Human Computer Interaction Design and Evaluation (M) COMPSCI5057 Information Visualisation (M) COMPSCI5099 Mobile Human-Computer Interaction for MSc COMPSCI5112
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 Computing Science+ COMPSCI5086P (60 credits)

Note: MSc (DS) students do a total of 125 taught credits: 65 credits in Semester 1 and 60 credits in Semester 2.

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.

From	To	Information
Any	MSc DS	This is not possible; the MSc Data Science programme is full.
MSc CS+	MSc IT+	Send your email request to the MSc IT+ Programme Director **before the end of Week 2**. This change is often suitable for students who find the first week of MSc CS+ to be challenging.
MSc DS	MSc CS	Send your email request to the MSc CS+ Programme Director **before the end of Week 2**. Requests for this change will also be accepted at the start of Semester 2, **before the end of Week 17**. This change may be appropriate for students who want to study *Enterprise Cybersecurity* rather than *Machine Learning and AI* in Semester 1.