Durham University
Postgraduate Modules Online
https://apps.dur.ac.uk/faculty.handbook/

These programme regulations should be read in conjunction with the University's core regulations for postgraduate programmes, and the marking and classification conventions for postgraduate programmes.

MSc Advanced Computer Science (G5T609)

MSc Advanced Computer Science (Artificial Intelligence) (G5T709)

1. Location: Durham City
2. Duration: 12 months (full-time)

Programme structure

3. All candidates shall study and be assessed in the following modules:

		Credit Value
Advanced Programming	COMP53115	15
Algorithms and Complexity	COMP53215	15
Deep Learning	COMP53715	15
Research Methods and Ethics in Computer Science	COMP54415	15
Advanced Computer Science Project ~	COMP54060	60

4. All candidates shall also study and be assessed in modules to the value of 15 credits from the following list:

		Credit Value
Advanced Computer Systems *	COMP53015	15
Human-AI Interaction Frameworks and Practices Ω	COMP53615	15
Advanced Network Design and Analysis	COMP53915	15

5. All candidates shall also study and be assessed in modules to the value of 45 credits from the following list:

		Credit Value
Advanced Algorithms: Coping with Intractability *	COMP52915	15
Innovative Technologies for Health Ω *	COMP53315	15
Computer Vision Ω	COMP53415	15
Cryptocurrencies and Blockchain Technologies *	COMP53515	15
Natural Language Processing Ω	COMP53815	15
Quantum Computing	COMP54115	15
Recommender Systems Ω	COMP54215	15
Reinforcement Learning Ω	COMP54315	15
Security Engineering and Cryptography	COMP54515	15

6. Candidates on the MSc Advanced Computer Science (Artificial Intelligence) (G5T709) shall select at least 45 credits from the list of modules marked with a Ω symbol.
7. Candidates entering on the MSc Advanced Computer Science (G5T609) programme will be transferred to the "Artificial Intelligence" specified route (G5T709) following module registration if their module choices include at least 45 credits from the list of modules marked with a Ω symbol.

Assessment, progression and award

8. Modules marked with ~ must be passed at 50% or above; a mark of 40-49% cannot be compensated.
9. Modules marked with the symbol * are not available in 2026-27.
10. If a candidate fails a module they may be given the opportunity to resit the relevant examination(s) before the end of the academic year at a time to be determined by the Department.