

MSc Advanced Software Engineering (G5K309)

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

Admissions

3. Admissions criteria:
 - a. Students who have passed Advanced Software Engineering, [COMP3152](#) (double module) may not enrol in this program

Programme structure

4. Candidates shall study and be assessed in the following modules:

		Credit value
Advanced Java Systems with UML-based Design	COMP50915	15
Advances in Software Engineering +	COMP40615	15
New Initiatives from Software Engineering Research +	COMP40715	15
Research Methods and Professional Issues	COMP50415	15
Dissertation	COMP51760	60

5. Candidates shall also study and be assessed in modules to the value of 60 credits from List A:

List A:		Credit value
Parallel Programming for High-Performance Computing	COMP40815	15
Advanced Principles of Distributed Computing	COMP51015	15
Semantic Web and Web Information Systems	COMP51615	15
Embedded Systems and Networking	COMP51115	15
Enterprise and Distributed Systems	COMP50715	15
Pervasive Computing: Mobile, Wireless and Distributed Applications	COMP51415	15
Distributed Systems: Future Trends and Research	COMP51515	15
Internet Business and Marketing Structures	COMP50115	15
Visualisation and VR for Distributed Systems	COMP51315	15
Security and Fault Tolerance	COMP51215	15
Software Dependability	COMP40115	15
Information Search on the WWW	COMP40215	15
Multimedia Compression	COMP40315	15
Web Technology	COMP50515	15

Assessment, progression and award

6. + Students who have passed Advanced Software Engineering, [COMP3221](#) (single module) must attend new strands of Advances Software Engineering, [COMP40615](#) and New Initiatives from Software Engineering Research ([COMP40715](#)). Topics from [COMP3221](#) may not be repeated.
7. If a candidate fails a module he/she may be given an opportunity to resit the relevant examination(s) before the end of the academic year at a time to be determined by the Department.