

These programme regulations should be read in conjunction with the University's [core regulations for postgraduate programmes](#).

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. Modules marked * are not available in 2012-13.
7. + 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.
8. 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