

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:

		<b>Credit value</b>
Advanced Java Systems with UML-based Design	<a href="#">COMP50915</a>	15
Advances in Software Engineering +	<a href="#">COMP40615</a>	15
New Initiatives from Software Engineering Research +	<a href="#">COMP40715</a>	15
Research Methods and Professional Issues	<a href="#">COMP50415</a>	15
Dissertation	<a href="#">COMP51760</a>	60

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

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

### Assessment, progression and award

6. Candidates must pass Advanced Java Systems with UML-based Design ([COMP50915](#)) for the award of an MSc, postgraduate diploma or postgraduate certificate
7. Modules marked \* are not available in 2013-14.
8. + 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.
9. 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.