



## MSc Software Engineering

This programme is designed to serve the needs of industry and of practicing software engineers within industry who have no formal qualifications in the subject of software engineering. The programme is aimed at graduates who have gained significant experience on computing within the industry. This programme brings together key areas within quality assurance and software systems development to meet identified needs. The overall aim of the programme is to provide an opportunity for professional development at an advanced level within the area of software engineering for graduate-level people with industrial experience in software engineering. The award will provide the candidates with many core skills but in addition will encourage them to develop their intellectual understanding of how the complexities associated with software engineering related areas can be managed in an integrated way.

### Admission Requirements

The qualifications required for admission are a minimum second lower honours degree (2:2 or above) or equivalent in computing discipline. Other graduates who have appropriate experience may be considered for entry. The aim of the general admissions policy is to ensure that the students are likely to be successful and benefit from the study programme.

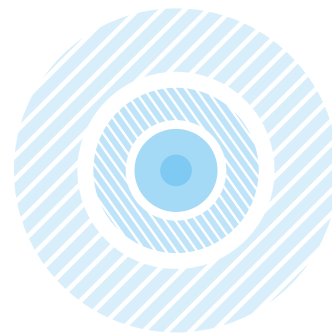
### Programme Structure

The duration of the program is 2 years, full time, where the lectures will be conducted in the evenings and weekends to facilitate the participation of working professionals. The unique modular framework and the module delivery pattern enable working professionals to effectively engage in their academic work. The full program consists of nine taught modules and a research component. Each module will be delivered by two leading experts from academia and/or industry.

### Examination and Assessment

Assessment scheme will vary between modules, but the overall strategy is to have a balanced set of assessments across a variety of methods that will include individual coursework assignments, group-work assignments, presentations, demonstrations, written reports, end of module examinations and oral/viva.

The award consists of eight taught modules (15 credits each) and a dissertation (60 credits). Students will learn research methods before embarking on their dissertation. Each student



will be assigned a supervisor to guide and support in order to successfully complete the dissertation. The software engineering award consists of the following modules:

There are three awards available: Postgraduate Certificate (PgC), Postgraduate Diploma (PgD) and Masters (MSc)

PgC/PgD	<p>Modules:</p> <ul style="list-style-type: none"> <li>• Interaction Design</li> <li>• Quality &amp; Project Management for Technology</li> <li>• Object Oriented Software Systems Engineering</li> <li>• Software Engineering Support Environments</li> <li>• Software Quality Engineering</li> <li>• Personal Development and Research Methods</li> <li>• Database Technology</li> <li>• Network Systems and Technologies</li> </ul>
MSc	<ul style="list-style-type: none"> <li>• Dissertation (60 credits)</li> </ul>

[Click here for Module Descriptors of Staffordshire University](#)

- Postgraduate Certificate is awarded on successfully passing four modules
- Postgraduate Diploma is awarded on successfully passing eight modules
- The Masters is awarded on passing all the modules, and the final dissertation.