



## MSc Computer Science Level 7

The course will develop a depth of knowledge across several specialised and applied areas of Computer Science, such as Software Development, Mobile and Web Development, Advanced Databases, and Distributed Computing. These are areas that are much in demand, both in industry and research.

There is a strong emphasis upon practical experience backed up with the underlying theory from the academics who are experts within their respective domains and active within both the industry and academia. The course focus is on teaching up-to-date and relevant in-demand knowledge and skills, from web development and software development to group development.

The course will open up a range of careers from web and app developers through IT systems building, to further career paths in research and development. This course will also prepare you with the skills to go on to study for a PhD.

**Apply now:**  
[stcmalta.com/apply](https://stcmalta.com/apply)

**Study Options**  
Full Time or Part Time

**Duration**  
1 Academic Year  
or 2 Academic Years (Part Time)  
180 CATS (90 ECTS)

**Assessment**  
Assessment through examinations  
and coursework assignments

**Entry Requirements**  
Level 6 Computing Award such as:  
BSc (Hons) Computer Science or  
equivalent. Applicable work experience  
and other certificates will be considered.  
Suitable English Language Certification.

**Location**  
STC Higher Education  
Block D, Giorgio Mitrovich Street,  
Pembroke, Malta



# UNLOCK YOUR TRUE POTENTIAL

## Your Master's Programme

### Database Technologies

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The module aims to equip you with the skills necessary to design and build appropriate database systems to support a range of applications and assess developments in database technology in terms of concurrency control, query optimisation, and the maintenance of data integrity, availability and security.

### Distributed and Mobile Computing

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This module provides you with the skills necessary to design and implement distributed and mobile systems. It has a strong practical content, and includes work with examples of mobile, wireless and embedded devices.

### Group-based Software Development

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This module aims to build upon your knowledge and experience of project management and the building of quality software, through team-based activities and the completion of a "live" software development exercise. As an important member of the project team, you are expected to contribute to its success in areas such as the use and application of one or more key tools, techniques and methods.

### Mobile Applications Development

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Gain a good understanding of the issues, tools, techniques and technologies, in developing for mobile environments, approaches to handling these issues, and the skills necessary in developing for contemporary mobile computing platforms.

### Research Methods in Computing

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By studying this module you will develop the personal and professional skills required to design and undertake research in your chosen subject area at post-graduate level. You will also consider professional conduct and the social, legal and ethical implications related to the profession in-line with BCS guidelines.

### Web Technologies

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You will use a range of tools to build a web application using modern technologies such as HTML5, CSS3, Ajax and Web Services, and reflect on new advances made in the field of web development in the areas of accessibility, semantic and mobile-friendliness.

### Computer Science Dissertation

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Whether you decide to progress to further study or to a career in industry, one of the most important skills expected of an effective graduate in Information Technology Management or Computer Science is the ability to work creatively under the appropriate guidance of an organisation. It is therefore essential that you use and develop the skills and knowledge gained from other modules and from your wider educational and/or working background in a major integrative exercise. This project module is the ideal vehicle for this purpose.

You will be expected to develop an idea (guided by a member of academic staff) and demonstrate your ability to develop it further, producing a suitable artefact by applying your technical, analytical, practical and managerial skills in an integrated manner.

