



MSC PROGRAMME APPLIED COMPUTER SCIENCE

Overview

The MSc Programme in Applied Computer Science is a distance-learning course in partnership with the University of Brighton. The three year scheme grants an opportunity to obtain academic qualifications as well as commercial experience with your chosen career path.

Assignments are project based and are designed to equip students with a broad understanding of the problems involved in interpreting and delivering IT solutions to client requirements.



Module Overview

Year 1

- FDM01- Operating Systems (Unix) **10 credits**
Taught within the FDM Academy. Covering command line interaction and scripting.
- FDM02- Relational Database Management Systems (SQL) **10 credits**
Taught within the FDM Academy using Oracle SQL.
- FDM03- Professional Skills **10 credits**
Taught within the FDM Academy. Covers report writing, interview techniques and presentation skills.
- FDM04- Algorithmic, Object Oriented Application Development **30 credits**
Design and develop an application containing a strong algorithm with a focus on Object Oriented best practices.

Year 2

- FDM05- Requirements Analysis and System Design **25 credits**
Design, research and analysis project. Produce two different technical designs that both meet the same user requirements, followed by an analysis of these designs and their relative benefits and drawbacks.
- FDM06- System Development **35 credits**
Implementation and testing of one of the technical designs from FDM05.

Year 3

- FDM90- MSc Final Project: Individual Project and Dissertation **60 credits**
Dissertation focussing on an appropriate Computer Science topic of the student's choice. Work will include research, design, implementation and analysis of an application related to the chosen topic.

