BSC (HONS) COMPUTER SCIENCE

Programme Learning Outcomes

Programme Learning Outcomes for BSc in Computer Science (NFQ Level 8, Major Award)

On successful completion of this programme, students should be able to:

- Formulate and solve problems using the mathematical principles which underlie electronic computation;
- Analyse real-world applications in the light of these mathematical principles, in order to identify the most appropriate computational approach;
- Identify the most appropriate technologies for implementing the chosen computational approach to solving a real-world application;
- Use a range of computing technologies and programming languages to implement appropriate computational approaches to real-world applications;
- Demonstrate familiarity with a range of Software Engineering methodologies, sufficient to choose the most appropriate methodology for managing a software development project, taking into account the overall context of the application and its life-cycle environment;
- Demonstrate a familiarity with, and fluency in the use of, software evaluation techniques;
- Write well-structured reports which address relevant aspects of computer-system development projects.