Faculty of Engineering and Built Environment

Bachelor of Computer Science
Program Code: 10177

Graduate Profile

Graduates of a Bachelor of Computer Science program will be able to demonstrate the following attributes:

1. Knowledge of basic science and computer science fundamentals;
2. In depth technical competence in the discipline of computer science;
3. An ability to carry out problem analysis, requirements capture, problem formulation and integrated software development for the solution of a problem;
4. Capacity to continue developing relevant knowledge, skills and expertise in computer science throughout their careers;
5. An ability to communicate effectively with other Computer Scientists, Software Engineerings, other professional disciplines, managers and the community generally;
6. Ability to undertake and co-ordinate large computer science projects and to identify problems, their formulation and solution.
7. Ability to function effectively as an individual, a team member in multidisciplinary and multicultural teams and as leader/manager with capacity to assist and encourage those under their direction;
8. Understanding of social, cultural, global and business opportunities of the professional computer scientist; understanding the need for and principles of sustainability and adaptability;
9. Understanding of professional and ethical responsibilities and a commitment to them;
10. Understanding of entrepreneurship; need of and process of innovation, as well as the need of and capacity for lifelong learning.