

Majoring in Computing

The University of KwaZulu-Natal (Westville) offers two main routes to degrees with majors in computing. These are: Computer Science and Information Systems & Technology (IS&T).

Students may choose to major in either IS&T (core major) or may elect to pursue the double major in IS & T (core and 2nd major).

The IT programme allows a student to major in both Computer Science and Information Systems & Technology, or a double major in IS & T, or a single (core) major in IS & T with any other specialization.

The Computer Science and IT programmes are available from the College of Agriculture, Engineering and Science.

Below we give more detail on the programmes involving IS&T; the Computer Science and IT programmes are available from the College of Agriculture, Engineering and Science.



Information Systems & Technology

College: Law and Management Studies

Course Content: Includes...

- Level 1:** End User Computing, IS & T for Business (includes, Personal Productivity Tools, Controls, Web Design), Development and Applications fundamentals (includes, problem solving and logic, systems analysis, auditing and Bus applications).
- Level 2:** Introduction to programming, Systems Analysis and Design, Database and Programing.
- Level 3:**
- Major 1:** Advanced Systems Analysis and Design, Applied System Implementation 1, Applied Systems Implementation 2, and Networking and Database Management.
- Major 2:** E-Commerce and E-Deployment, Mobile Technology & Cloud Computing, Information Systems & Technology Security, and Info Systems and Technology Professional Skills.

CONTACT US

Westville

Tel: +27 31 260 7722/7051

Pietermaritzburg

+27 33 2605704

Fax: +27 31 260 7251

E-mail: morumm@ukzn.ac.za

Online: <https://www.ukzn.ac.za>



Discipline of Information Systems and Technology



Information Brochure

INSPIRING GREATNESS

What is IS&T?

IS&T focuses on the design, specification, and implementation of information systems, and on the human, organizational and environmental considerations needed in order to use such systems to achieve business goals and maintain competitive advantage. In short, IS&T is the study of how to use information systems effectively in managing a business.

IS&T is a vibrant and exciting field. There are constantly new advancements, most recently in the areas of electronic, mobile and Internet commerce where businesses are competing in the "new" economy, a global environment in which the use of information systems is vital in order to manage the information flows which connect the business to all environmental

Is IS&T for ME?

IS&T is aimed at students who have an interest, not only in computer systems, but in the use of computer systems as a tool in business. It requires that you experience information systems and learn how to analyse, design and build them. This degree will ensure that you are exposed to a wide variety of information systems and are taught methodologies for developing new systems.

Some of the key indicators that IS&T might be the degree for you are:

- ❖ You are interested in the use of computer systems as a tool in business and the business value that information and information systems can facilitate for an organisation
- ❖ You have an interest in understanding how and why people use information and information systems
- ❖ You wish to understand the organizational and environmental settings and implementing solutions to problems

What are the Benefits of a IS&T Degree?

Our IS&T degree aims to provide a solid grounding in both technology and organizational theory, as well as providing the pathway to being able to apply the theory in practice. Just some of the benefits of completing the degree are that you will be able to:

- ❖ Understand how and why people use information and information systems
- ❖ Understand the theory underlying the effective use of information systems

- ❖ Understand the business value that information and information systems can facilitate for an organisation
- ❖ Build small information systems
- ❖ Participate in designing, implementing, and managing larger information systems
- ❖ Be familiar with a range of techniques, standards, and tool for building and implementing larger information systems

What are the Career Opportunities?

A specialisation in IS&T is an excellent starting point for a long-term career in the opportunity-rich world of Information Systems. There are literally thousands of different avenues you could follow, most with attractive salaries. IS&T graduates will find employment in a variety of roles, from the very technical to the very business oriented, both in South Africa and overseas. The world is at your feet with the depth of a IS&T degree behind you!



When to Apply

Applications close on 30 September
www.cao.ac.za

DISCIPLINE OF INFORMATION SYSTEMS AND TECHNOLOGY

University Road, Westville
Private Bag X 54001, Durban, 4000