2. OUR DEGREES AND MAJORS

Ensure you meet the University admissions entrance requirements before applying for any of our programmes. See: https://sit.uct.ac.za/our-degrees

2.1. Undergraduate degrees

- Bachelor of Commerce
- Bachelor of Business Science
- Bachelor of Science
- Bachelor of Social Science
- Bachelor of Arts

2.2. Majors in the School of IT

2.2.1. Through the Faculty of Science

- Computer Science
- Business Computing
- Artificial Intelligence
- Computer Engineering

2.2.2. Through the Faculty of Commerce

- Information Systems and Computer Science
- Cybersecurity in Commerce (degree still being developed)

2.2.3. Through the Faculty of Humanities

- Informatics and Computer Science

2.3. Postgraduate degrees

2.3.1. Through the Faculty of Commerce

- Honours in Information Systems (full-time)
- Honours in Management Information Systems (part-time)
- Postgraduate Diploma in Management in Information Systems (part-time)
- Master of Commerce in Information Systems
- PhD in Information Systems

2.3.2. Through the Faculty of Science

- Honours in Computer Science
- Masters in Computer Science
- Masters in Artificial Intelligence
- Masters in Information Technology
- PhD in Computer Science

3. HOW ARE OUR PROGRAMMES STRUCTURED?

We have a very strong core of computing and business courses that are developed to empower students to take charge of their learning experience. Our programmes have strong connections and alignment with the industry. We tailor our courses' theory and practical aspects to meet industry needs for skills and workplace readiness.

The theory component helps students build a strong foundation for understanding the critical concepts of our courses. This enables them to critically assess and deliberate the business value and technical design of our courses. Practical coursework then moves beyond theoretical frameworks to

practical and technical skills development through real-world case studies and projects that require the practical implementation of information systems and computer science.

IT | SCHOOL OF IT

ABOUT THE SCHOOL OF IT

In 2018, UCT launched the School of Information Technology in response to the growing needs of the South African and global tech industry, and the increasing demand for university qualifications in the sector.

The school bridges the faculties of Science, Commerce and Humanities and offers a wide variety of courses and programmes to suit a student's personal interests and aptitudes.

1.1. INFORMATION SYSTEMS

The field of Information Systems is about how information technology (IT) such as computers and software apps can be used by people and organisations to improve work, make better decisions and enhance customer service. The Information Systems curriculum enables graduates to design, create, implement and manage IT solutions to make organisations run better. Organisational IT solutions you might have used include ordering a taxi, food deliveries, or shopping online. To be good as an Information Systems professional, you need to have an interest in both business and technology, be creative and be good at communicating.

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1.2. COMPUTER SCIENCE

Computer Science is the discipline concerned with the design and development of effective, efficient, and reliable computer software, as well as the broader principles of computational problem-solving. It combines creativity, logic, and mathematics to develop algorithms, systems, and applications that power modern technology. Computer scientists design and implement software systems, explore the concepts underpinning artificial intelligence, and apply mathematical and analytical methods to solve complex computational challenges.

1.3. RESEARCH

We aim to be a leading African centre for research and study of computer science and information systems, producing world class graduates and research while playing a positive role in the upliftment and empowerment of our community. A successful completion of our undergraduate degrees will open doors to our exciting postgraduate degrees under the supervision of our outstanding researchers. Our research units and groups cover a wide range of topics from artificial intelligence, cybersecurity, enterprise systems, information systems, knowledge engineering, evolutionary machine learning, human-computer interaction, business computing, computer engineering and many more.

CAREER PROSPECTS

Computers have had a profound influence on modern society. Many of the wealthiest people in the world made their fortunes in computing and numerous economically successful companies are computing companies. Most of the sought-after jobs in the world (according to regular surveys) are in computing. It is not unusual for more than half of the 10 most desirable jobs on any such listing to require a computer science (or related) degree. Computing is one of the most marketable skills on the planet.

Our curriculum has a strong industry focus and gives our students direct exposure to real world industry problems through our in-course student project collaborations with organisations. Our graduates are highly sought after, and all our qualifications are recognised internationally.

Our graduates often move directly into junior roles (junior developer, systems analyst, data analyst, analyst intern) with a relatively fast progression to established professionals at mid-level roles (team lead, project manager, security lead) with greater responsibility and scope.

ENTREPRENEURSHIP - some of our graduates such as the co-founder of Yoco, Mr Katlego Maphai have leveraged their business and technical skills to successfully launch startup ventures, turning them into established and profitable businesses.

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CONTACT DETAILS

APPLYING TO UCT

For general information about applying to UCT, including financial aid, scholarships and student housing, contact the Admissions Office:

+27 (0) 21 650 2128
admissions@uct.ac.za
ttps://applyonline.uct.ac.za/

DEPARTMENT OF INFORMATION SYSTEMS

+27 (0) 21 650 2261
isdept@uct.ac.za
sit.uct.ac.za

DEPARTMENT OF COMPUTER SCIENCE

+27 (0) 21 650 2663
student-advisors@cs.uct.ac.za
sit.uct.ac.za

ADMISSION POINT SCORE (APS) CALCULATOR

Scan the QR code to calculate your APS score

For science degrees refer to the Science Faculty website

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