

# Computer & Information Sciences



## IIE BACHELOR OF COMPUTER AND INFORMATION SCIENCES (HONOURS)



1 year full-time



NQF Level 8



Min. 120 credits



SAQA ID: 88606

### WHY STUDY COMPUTER AND INFORMATION SCIENCES?

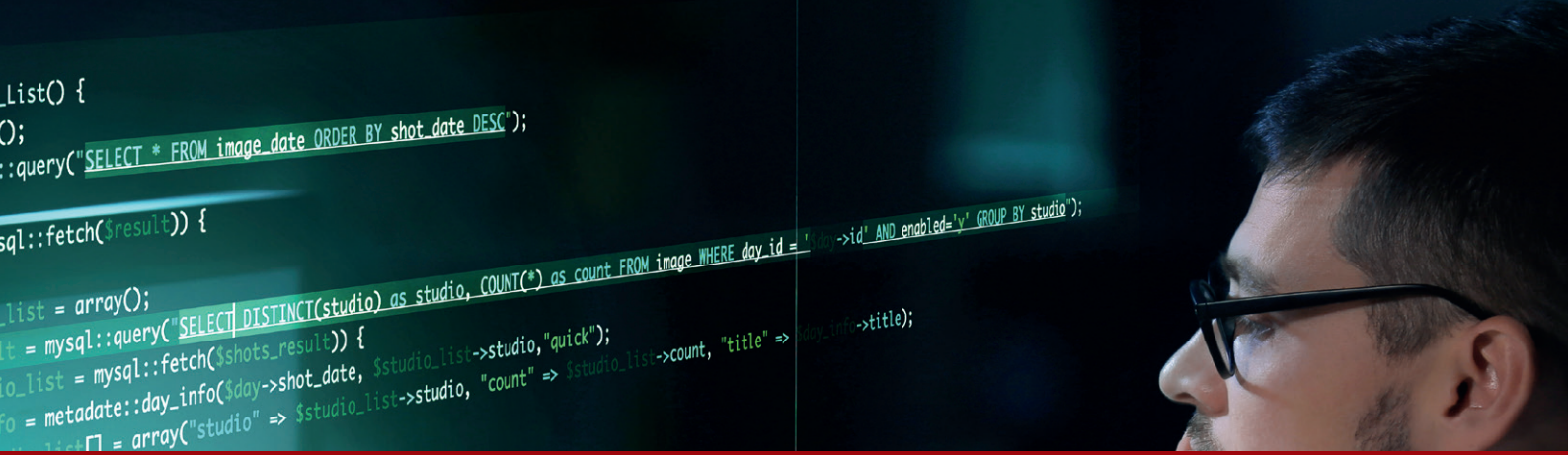
The IIE Bachelor of Computer and Information Sciences (Honours) will provide candidates with advanced theories and knowledge in key disciplines of Computer and Information Systems. These key disciplines inform the professional practice of Information Technology (IT). Graduates will be equipped with research skills which will form the foundation of further post-graduate studies.

The design for this honours degree has been informed by issues affecting enterprises and future technologies. This computer science degree will also develop graduates' abilities to understand the role IT plays in the information systems and applications in a business environment.

### CAREER OPPORTUNITIES

This degree will open up an attractive range of career options based on the specialisation that students previously acquired through their bachelor's degree and the research area chosen for this study. Depending on the focus area chosen by the student career opportunities for graduates include:

Application developers or Programmers | Software Engineers | Software developers | Web developers | Systems administrators | Network engineers | Solutions architects | IS Consultant



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MODULES					
Code	Module Name	Credits	Code	Module Name	Credits
ADTO8411	Advanced Topics in IT	20	BIDW8412	Business Intelligence and Data Warehousing (elective)	20
SOIN8411	Social Informatics	20	NINF8412	Network Infrastructure (elective)	20
EMTE8412	Emerging Technologies	20	UIDU8412	User Interface Design and Usability (elective)	20
RESE8419	Research	40			

The Honours degree offers two compulsory modules in the first semester, one compulsory module, three 3 elective modules and a year long research module. Students need to select one of the three electives.

### MINIMUM ADMISSION REQUIREMENTS

An appropriate Bachelor's Degree with an average of 60% in the final year; OR  
An appropriate Advanced Diploma, provided that a 360 credit Diploma or appropriate equivalent has been completed, with an average of 60% in the final year

Candidates must have modules in IT disciplines at NQF Level 7 and a must have completed a foundation research module at the undergraduate level, preferably at NQF Level 7. Those who have not completed a foundation research module at undergraduate level will be required to do The IIE Introduction to Research SLP and need to be able to demonstrate an understanding of basic research before they can commence with their research report. Candidates are required to have achieved a minimum final year average of 60% in their third year (NQF L7) modules. Those with a final year average of 55 - 59% will be admitted if they attained an average of 60% or higher for the designated cognate/core discipline module at final-year (NQF L7) level.

Students who do not meet the admission requirements may be eligible for admission via alternate means such as RPL. Please enquire at the campus for assistance.

#### Additional Notes

Graduates of The IIE who do not meet the admissions requirements for admission to Honours can enrol for and repeat all or some of their NQF Level 7 modules in order to improve their marks so that they can meet the entry requirements for Honours. These graduate students will then receive an additional transcript after the completion of the repeat module(s), where the repeat module(s) will appear as a second iteration of the module(s) on the transcript. The marks from the second iteration can then be used for admission to Honours in the subsequent academic year. This option is only available to graduates from The IIE and does not apply to graduates from other HE institutions.

#### International

A SAQA NQF L7 Evaluation Certificate in an appropriate field and meeting the additional admission requirements.



Please note, details are correct at the time of publication. HCIS0801v2 - 20/1/2023