



# IIE Bachelor of Computer and Information Sciences Honours

**Faculty of Science & Technology**  
School of Computer Science

1 Year Full-Time Honours | NQF Level 8  
120 Credits | SAQA ID: 88606 | HCIS0801

- **Newlands, Cape Town**
- **Westville**
- **Waterfall**
- **Ruimsig**

## Qualification Description

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 postgraduate studies. The design for this Honours Degree has been informed by issues affecting enterprises and future technologies.



## Who Is This Qualification Aimed At?

The IIE Bachelor of Computer and Information Sciences (Honours) Degree is aimed at students who are interested in studying advance theories in Computer Information Systems and want to broaden their knowledge in the professional practice of Information Technology (IT) and understand the role Information Systems (IT) play in a business environment.

Along with core modules in Research and ICT Development, students will also be able to select 2 elective modules based on Artificial Intelligence, Emerging Technologies and User Interface Design and Usability.

**CONTACT FULL-TIME**

## Admission Requirements

| Minimum Admission Requirements | Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|                                | <p>An appropriate Bachelor's Degree with an average of 60% in the final year;</p> <p><b>OR</b></p> <p>An appropriate Advanced Diploma with an average of 60% in the final year, provided that a 360 credit Diploma or appropriate equivalent has been completed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                |
|                                | <p>Candidates must have modules in IT disciplines at NQF Level 7 and 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.</p> |                                                                                |
|                                | <p>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</p>                                                      |                                                                                |
|                                | International                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A SAQA Evaluation Certificate with NQF L7 equivalence in an appropriate field. |

Scan the QR Code to learn more about Alternate Admission requirements for:  
RPL | Mature Age Exemptions | USAf International Students | One module  
outstanding from a Higher Certificate \*if applicable



## Curriculum Structure

| Year 1      |                                |     |         |                                          |                                     |     |         |
|-------------|--------------------------------|-----|---------|------------------------------------------|-------------------------------------|-----|---------|
| Semester 1  |                                |     |         | Semester 2                               |                                     |     |         |
| Code        | Module Name                    | NQF | Credits | Code                                     | Module Name                         | NQF | Credits |
| ADTO8411    | Advanced Topics in IS Research | 8   | 20      | <b>Choose 2 elective modules below**</b> |                                     |     |         |
| ICTD8411    | ICT for Development            | 8   | 20      | EMTE8412                                 | Emerging Technologies               | 8   | 20      |
|             |                                |     |         | UIDU8412                                 | User Interface Design and Usability | 8   | 20      |
|             |                                |     |         | AINTE8412                                | Artificial Intelligence             | 8   | 20      |
| Year module |                                |     |         |                                          |                                     |     |         |
| Code        | Module Name                    |     |         |                                          |                                     | NQF | Credits |
| REIT8419    | Research for ICT               |     |         |                                          |                                     | 8   | 40      |

\*\*Please note that not all elective modules might be offered at the campus that you would like to register at, please enquire with the Student Advisor on which modules will be available.

## Further Study Pathways

The successful completion of The IIE Bachelor of Computer and Information Sciences (Honours) HCIS0801 enables you to progress into the following qualification/s subject to meeting the admission requirements:

- IIE Master of Strategic Information and Communication Technology Management (MSIT0901)

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## 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

## Timetables

This qualification is aimed at students who wish to complete full-time face-to-face studies for the duration of their qualification. This means that students are expected to be available Mon-Fri 8:00 – 17:00 throughout the day for class in the academic year depending on how the timetable is structured.

Students must also note that timetables remain subject to change throughout the academic year.

## System and Software Requirements

- The appropriate technology equipment and tools are essential.
- A reliable internet connection (we recommend 5-10 GB of data per month), your own device with at least Windows 8 or macOS 10.15 (Microsoft Office 365 is available as a free download for students), and Google Chrome, Microsoft Edge Chromium or Firefox.
- An uninterrupted power supply is also highly recommended.
- A working webcam and microphone.
- For School of Computer Science students, it is advised that you purchase your own 500GB HDD and 8GB RAM minimum.
- Should you wish to run Android Studio on your laptop – you will need the following:
  - Processor: i5/i7
  - RAM: 32
  - HDD: 500GB SSD
- All students in The IIE Bachelor of Computer and Information Sciences Honours will be provided with access to a Virtual Machine, where you will be able to run the software required for specific modules in your qualification. Students will be required to complete certain module specific assessments via their Virtual Machine.

## Graduation and Completion Requirements for This Qualification

In order to be awarded this qualification, you must have achieved a minimum final year mark of fifty percent (50%) for all 5 modules in the curriculum.

As a contact student, this qualification is structured to be completed over 1 year. The maximum time for completing a qualification full-time is double the minimum time associated with the qualification, and for part-time an additional year is allowed.

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## Apply Online

After your application is submitted, we will review your documentation and provide an outcome regarding your chosen study.



## Follow us on social



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Please note, details are correct at the time of publication.