



# IIE Higher Certificate in Mobile Application and Web Development

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

Distance Higher Certificate | NQF Level 5  
120 Credits | SAQA ID: 117914 | HMAW0501

→ **Online**

## Qualification Description

The IIE Higher Certificate in Mobile Application and Web Development is structured in accordance with the HEQSF guidelines and will provide students with the knowledge, skills and applied competencies identified by the mobile application and web development industry to be employed or become an entrepreneur in building mobile apps and websites.

The purpose of The IIE Higher Certificate in Mobile Application and Web Development is two-fold. It will provide students with the basic introductory knowledge, cognitive and conceptual tools and practical techniques for an entry-level career, or for further higher education studies in the field of mobile application and web development.

## Who Is This Qualification Aimed At?

The IIE Higher Certificate in Mobile Application and Web Development is aimed at students who are interested in mobile application development as well as web development. This certificate addresses both the need for mobile application development and web development on both the server and the client side.



## How Will Emeris Support Your Online Learning as a Distance (Online) Student, and How Will It Help Prepare You for the Working World?

Our distance teaching and learning approach is designed to allow you the freedom to self-govern your learning experiences according to your individual needs. You are at the centre of your own learning journey, and by offering curated engagement opportunities, we partner with you to:

- Engage with subject material
- Build understanding
- Develop critical thinking and problem-solving skills
- Manage your work, life and studies
- Succeed in your personal, professional, and academic goals.

**CONTACT FULL-TIME**

**DISTANCE (ONLINE)**

## Admission Requirements

|                                |                        |                                                                                                         |
|--------------------------------|------------------------|---------------------------------------------------------------------------------------------------------|
| Minimum Admission Requirements | NSC: HC pass with      | English 30%                                                                                             |
|                                | NC(V): HC pass         | English 40%                                                                                             |
|                                | SC: Endorsement - none | English 33.3%                                                                                           |
|                                | SC(a): HC pass with    | A minimum of 30% in LOLT on NSC/ SC(a) <b>OR</b> with a min. of 33.3% on SC                             |
|                                | International          | A SAQA Evaluation Certificate with NSC Level 4 equivalence with at least 30% or equivalent for English. |

Should you have any other school leaving qualification not mentioned above, please reach out to a Student Advisor.

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: One Year Structure

| Year Modules |                                                      |     |         |            |                                |     |         |
|--------------|------------------------------------------------------|-----|---------|------------|--------------------------------|-----|---------|
| Semester 1   |                                                      |     |         | Semester 2 |                                |     |         |
| Code         | Module Name                                          | NQF | Credits | Code       | Module Name                    | NQF | Credits |
| TEWC5111     | Technical Writing and Communication                  | 5   | 15      | MAST5112   | Mobile App Scripting           | 5   | 15      |
| IQTT5111     | Introduction to Quantitative Thinking and Techniques | 5   | 15      | PIXD5112   | Principles of UI and UX Design | 5   | 15      |
| IMAD5112     | Introduction to Mobile Application Development       | 5   | 15      | WEDE5020   | Web Development (Introduction) | 5   | 15      |
| IPRG5111     | Introduction to Programming Logic                    | 5   | 15      | XHAW5112   | Work Integrated Learning 1     | 5   | 15      |

**Disclaimer:** The option to complete the qualification in one year is available for full-time students, however, due to the demands of the Work Integrated Learning module in particular, it is only recommended for students who are studying this qualification on a full-time basis, which implies that your studies take up the majority of your available hours. Thus, for example, students also currently in full-time employment should study over a 2 year duration.

## Curriculum: Two Year Structure

| Year 1     |                                                      |     |         |            |                                |     |         |
|------------|------------------------------------------------------|-----|---------|------------|--------------------------------|-----|---------|
| Semester 1 |                                                      |     |         | Semester 2 |                                |     |         |
| Code       | Module Name                                          | NQF | Credits | Code       | Module Name                    | NQF | Credits |
| IQTT5111   | Introduction to Quantitative Thinking and Techniques | 5   | 15      | PIXD5112   | Principles of UI and UX Design | 5   | 15      |
| IPRG5111   | Introduction to Programming Logic                    | 5   | 15      | WEDE5020   | Web Development (Introduction) | 5   | 15      |

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

| Year 2     |                                                |     |         |            |                            |     |         |
|------------|------------------------------------------------|-----|---------|------------|----------------------------|-----|---------|
| Semester 3 |                                                |     |         | Semester 4 |                            |     |         |
| Code       | Module Name                                    | NQF | Credits | Code       | Module Name                | NQF | Credits |
| IMAD5112   | Introduction to Mobile Application Development | 5   | 15      | MAST5112   | Mobile App Scripting       | 5   | 15      |
| TEWC5111   | Technical Writing and Communication            | 5   | 15      | XHAW5112   | Work Integrated Learning 1 | 5   | 15      |

## Further Study Pathways

The successful completion of The IIE Higher Certificate in Mobile Application and Web Development enables you to progress into the following qualification/s subject to meeting the admission requirements:

- IIE Bachelor of Computer and Information Sciences in Application Development (BCAD0701)

## Career Opportunities

This qualification will open up an attractive range of career options.

These opportunities include, but are not limited to:

- Junior Web Developer
- Junior Web Content Developer
- Junior Mobile App Developer

## 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 Higher Certificate in Mobile Application and Web Development 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.

Exams are written at an exam centre and in some instances online. These details will be specified in your Programme Assessment Schedule (PAS).

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# Graduation and Completion Requirements for This Qualification

## 1 Year Structure

In order to be awarded this qualification, you must have achieved a minimum final year mark of fifty percent (50%) for all 8 modules in the curriculum.

As a distance (Online) 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.

## 2 Year Structure

In order to be awarded this qualification, you must have achieved a minimum final year mark of fifty percent (50%) for all 8 modules in the curriculum.

As a distance (Online) student, this qualification is structured to be completed over 2 years. 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.

## Where Assessments Are Written in Person

- For students based in South Africa, online students may select any Emeris campus as their Examination Centre.
- An alternative examination centre is only permissible for students studying abroad and those located in a province of South Africa where there is no IIE campus. If there is no IIE campus within reach, an alternative venue will need to be sourced by you. For non-IIE venues, there is an alternative venue levy per module.

## What Are the Benefits of an IIE Distance (Online) Qualification?

The IIE's distance (online) delivery mode provides you with the agility of studying towards a tertiary qualification asynchronously, at different times from different locations. Distance students need to commit to approximately 20-25 hours a week for distance engagement (most of which is after hours) with material and assessments to succeed.

Here are some of the benefits you can expect:

- A sequenced online learning environment that allows you the ability to manage your learning experiences flexibly and autonomously.
- A learner guide designed to lead you through the module material and learning outcomes, empowering you to effectively pace your learning in preparation for assessments.
- Our Learning Management System is designed to break up your learning units into manageable sections which include various activities to support learning.
- Module expert online lecturers that facilitate module teaching and learning support through various technology enhanced mediums.
- Student Relations Specialists provide administrative and operational guidance and support throughout your academic journey.
- A professionally registered Student Wellness Manager/Counsellor available for short-term, primary counselling services. Additionally, the Student Wellness Manager/Counsellor hosts various webinars and virtual talks on topics that promote a balanced lifestyle as you pursue your academic goals.

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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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