



# IIE Higher Certificate in Mobile Application and Web Development

School of Information Technology

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 Higher Certificate in Mobile Application and Web Development is twofold. 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.

The IIE Higher Certificate in Mobile Application and Web Development is aimed at students who are interested in the client side of mobile application and web development.

The distance mode of study is ideal for working adults who prefer not to attend full-time lectures.

As an IIE distance student you will receive all your support online from a dedicated team of IIE Varsity College Online tutors.

**HIGHER CERTIFICATE**

**DISTANCE**



## 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

## Curriculum

### 18 Month Structure

Year 1							
Semester 1				Semester 2			
Code	Module Name	Credits	NQF	Code	Module Name	Credits	NQF
DIAL5111	Digital and Academic Literacies	15	5	IMAD5112	Introduction to Mobile Application Development	15	5
IQTT5111	Introduction to Quantitative Thinking and Techniques	15	5	PIXD5112	Principles of UI and UX Design	15	5
IPRG5111	Introduction to Programming Logic	15	5	WEDE5020	Web Development (Introduction)	15	5
Year 2							
Semester 3							
MAST5112	Mobile App Scripting	15	5				
XHAW5112	Work Integrated Learning 1	15	5				

### 1 Year Structure

Year 1							
Semester 1				Semester 2			
Code	Module Name	Credits	NQF	Code	Module Name	Credits	NQF
DIAL5111	Digital and Academic Literacies	15	5	MAST5112	Mobile App Scripting	15	5
IQTT5111	Introduction to Quantitative Thinking and Techniques	15	5	PIXD5112	Principles of UI and UX Design	15	5
IMAD5112	Introduction to Mobile Application Development	15	5	WEDE5020	Web Development (Introduction)	15	5
IPRG5111	Introduction to Programming Logic	15	5	XHAW5112	Work Integrated Learning 1	15	5

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 an 18 month duration.

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## 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) OR 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. Please note, requirements for entry to this qualification are correct at the time of printing, however, these may change. At the time of registration, please check that the entry requirements have not changed.

## 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.
- Online Success Navigators 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.

### Device Specifications:

- The appropriate technology equipment and tools are essential to succeed in distance (online) study.
- 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 IIE students), and Google Chrome, Microsoft Edge Chromium or Firefox.
- An uninterrupted power supply is also highly recommended.

## EXAMINATION CENTRE OPTIONS FOR ASSESSMENTS WRITTEN ON CAMPUS

From 2024, we are planning to offer you the ability to write your exam online, which will be invigilated.

- Your device needs to fulfil the minimum requirements as above with internet connectivity, a working webcam and audio
- Recording ability, with battery life sufficient for the exam duration in case of power outage once the exam has started.
- Whilst Android devices and tablets can be used for your studies, they cannot be used for online exams.
- You are responsible for making contingency plans in case of planned power outages.

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- You need to be alone in a quiet environment for writing your exams online.
- Selected final semester exams as indicated on your Programme Assessment Schedule (PAS) can be written online, at an IIE campus, or at an approved exam centre where appropriate.

### WHERE ASSESSMENTS CANNOT BE WRITTEN ONLINE OR STUDENTS DO NOT HAVE ACCESS TO AN APPROPRIATE DEVICE

- For students based in South Africa, online students may select any campus of The IIE's Varsity College, Rosebank College, Vega, or IIE MSA 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.

### HOW WILL THE IIE'S VARSITY COLLEGE 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.

**THE IIE IS ACCREDITED AS AN INDEPENDENT HIGHER EDUCATION INSTITUTION BY THE BRITISH ACCREDITATION COUNCIL.**

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