

1

## View Price

Full payment means full payment, no payment plan.  
Several courses you can pay per 20 hours, i.e if a course is 60 hours, you pay 3 payments of Rx amount - terms and conditions apply

2

## Pay

(banking details are on online Enrolment form under 'Enrol'  
Please note: Most courses are offered 1 on 1 online with a real lecturer, please enquire before paying if wanting a course offered at venue.

3

## Register Online

Register online under 'Enrol', In +-2 working days your personal lecturer will contact you to arrange times and dates that fit into both your schedules!

# CODING FOR KIDS

[Duration: 10 Hours]

Uses Scratch, Python or Java  
Greenfoot

**sequence:** identifying a series of steps  
`class="my_Class"` for a task

**span:** running the same sequence multiple times

**parallelism:** making things happen at the same time

**events:** one thing causing another thing to happen

**conditional statements:** making decisions based on conditions

**operators:** support for mathematical and logical expressions

**All about data:** storing, retrieving, and updating values



## ABOUT

Scratch is a high-level block-based visual programming language and website targeted primarily at children 8-16 as an educational tool for coding. Users on the site, called Scratchers, can create projects on the web using a block-like interface.

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PRICE: R8 900 / \$400 / €360/ £320

Full Payment before commencement (no payment plan)

# ROBOTICS FOR KIDS

[Duration: 10 Hours]

Uses Scratch or Python for  
Robomaster S1

sequence: identifying a series of  
steps `class="my_Class"` for a task

span: running the same sequence  
multiple times

parallelism: making things happen  
at the same time

events: one thing causing another  
thing to happen

conditional statements: making  
decisions based on conditions

operators: support for  
mathematical and logical  
expressions

All about data: storing, retrieving,  
and updating values



## ABOUT

The RoboMaster S1 is a game-changing educational robot built to unlock the potential in every learner. Inspired by DJI's annual RoboMaster robotics competition, the S1 provides users with an in-depth understanding of science, math, physics, programming, and more through captivating gameplay modes and intelligent features.

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Full Payment before commencement (no payment plan)



# INTRO TO PROGRAMMING

[Duration: 20 Hours]

Choose 1 programming language,  
i.e java or python or c++

Understand OOP  
Classes & Objects  
Datatypes & Variables  
Methods & Functions  
Operators & logic  
Decision Making (if  
statements & switch  
cases). GUI  
Access Modifiers &  
Naming Standards  
Using the Interpreter.  
Loops, Arrays, Error  
Handling, Comments,  
Scripts & Input  
IO: writing & reading to a file

+2 International exams  
- additional in price

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## ABOUT

Programming is the most sort after skill to have in this time! whether you want to design apps to creating your own applications, games or point of sale system. We all use information technology in our daily lives.

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PRICE: R13 900 / \$850 / €720 / £700

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# ADVANCED PROGRAMMING

[Duration: 20 Hours]

Choose 1 programming language,  
i.e java or python or c++

Understand inheritance,  
abstract classes & inner  
classes & Encapsulation.

Polyphorism & method overriding  
& overloading.

Delegates & event handling.  
Lambda

Tasks, multi threading  
& threads.

Synchronous &  
agile programming.

Learn sql queries & database  
connections.

List, Tuples, Dictionary.

CGI programming.

IO:advanced input.



+2 International exams  
- additional in price

## ABOUT

Programming is the most sort  
after skill to have in this time!  
whether you want to design apps  
to creating your own applications,  
games or point of sale system. We  
all use information technology in  
our daily lives.

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# SOFTWARE DEVELOPMENT

[Duration: 40 Hours/  
2 months]

Master 1 programming language  
Intro to advanced programming

Classes, Objects, Variables,  
Operators, Datatypes, Loops,  
Decision Making, Error Handling,  
Comments, Compiling, Naming  
Standards

Test, Project, Database, SQL,  
Querys, Connection types,  
Lambda Inheritance,  
Polymorphism, Encapsulation  
Method Overriding, overloading,  
IO - Reading & Writing to a file

Delegates, Event Handling,  
Tasks, Threading, Multi-  
Threading, Synchronizing,  
Parsing, Tokenizing, Test,  
Project

+4 International exams  
- additional in price

## ABOUT

Software development is the process of conceiving, specifying, designing, programming, documenting, testing, and bug fixing involved in creating and maintaining applications, frameworks, or other software components.

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PRICE: R28 800 / \$1800 / €1600/ £1500  
R14400 / \$900 / €800/ £750 per 20 hours

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# SOFTWARE ENGINEERING

[Duration: 80 Hours/  
4 months]

Master 2 programming languages  
Intro to advanced of each

- 20 HOURS  
Intro language 1

- 20 HOURS  
Advanced Programming

- 20 HOURS  
Intro language 2

- 20 HOURS  
Advanced Programming

PRICE: R43 600 / \$2400 / €2400/ £2000  
R10900 / \$600 / €600/ £500 per 20 hours



+8 International exams  
- additional in price

## ABOUT

A software engineer is a person who applies the principles of software engineering to the design, development, maintenance, testing, and evaluation of computer software.

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# DATA SCIENCE ASSOCIATE

[Duration: 80 Hours/  
4 months]

Microsoft Azure & Python or R or C#

## - 20 HOURS

Intro to Python or R or c#  
Variables, Datatypes, Decision making,  
loops, methods, functions etc.

## - 20 HOURS

Intermediate Python/R, Arrays, working  
with PyCharm, Pandas, NumPy, Python  
Libraries: Matplotlib.  
SciKit Learn. NumPy. NLTK,

## - 20 HOURS

Intro to SQL, syntax, procedures, database  
design & implementation.

## - 20 HOURS

Build AI solutions with Azure Machine  
Learning, Train a machine learning model,  
Working with Data, Compute Contexts,  
Pipelines, Deploying models, Automate  
machine learning model selection.

PRICE: R43 600 / \$2400 / €2400/ £2000  
R10900 / \$600 / €600/ £500 per 20 hours



+5 International exams

- additional in price

## ABOUT

Data science is an interdisciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from data in various forms, both structured and unstructured, similar to data mining.

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# FRONT-END DEVELOPER

[Duration: 20 Hours/1 month]

intro to html, css, javascript, JQuery, Bootstrap and Vuejs or React

- Build a simple HTML text site
- Style web pages using CSS
- Program websites with JavaScript
- Javascript for beginners
- Using JQuery
- Build a site using Bootstrap
- Build and publish a Google Chrome Extension
- Use React or Vuejs to build a site



## ABOUT

A front-end developer builds the front-end portion of websites and web applications—that is, the part that users actually see and interact with. A front-end developer creates websites and applications using web languages such as HTML, CSS, and JavaScript allow users to access and interact with the site or app.

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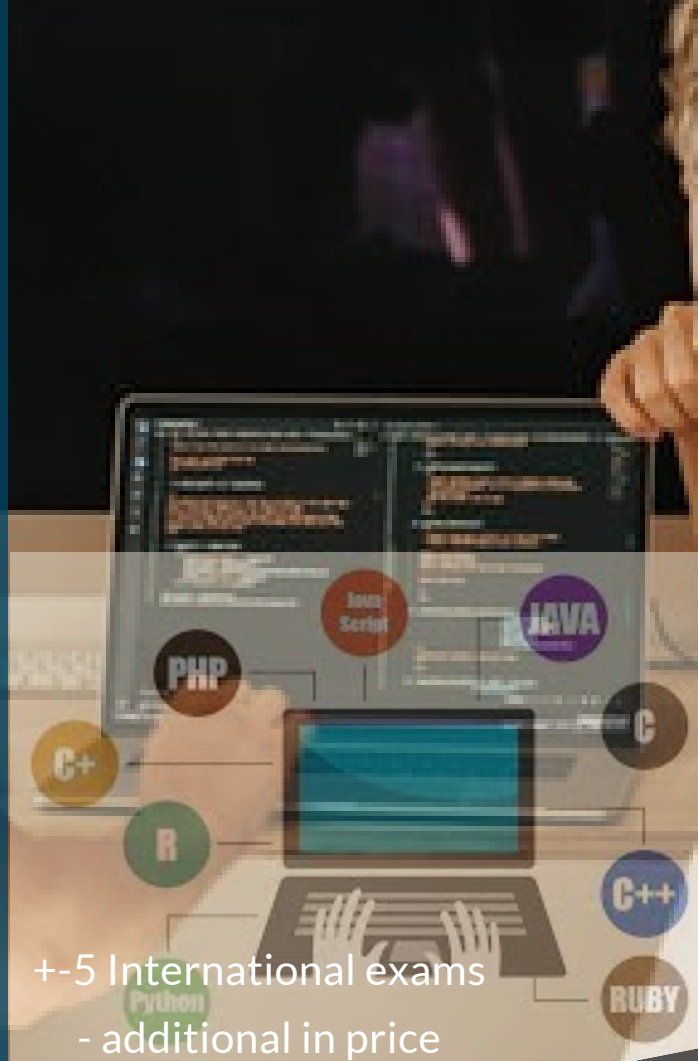


# BACK-END DEVELOPER

[Duration: 30 Hours / 1-2 months]

Python or Java or PHP, Django, SQLite3, Heroku, GIT

- Learn To Write Clean And Proper Python Code With Concept.
- Learn About 4 Pillars Of Object Oriented Programming!
- Learn How To Handle Error And Exceptions With Python
- Learn about Django Apps, Templates, Models & Migrations.
- Implement CRUD Functionality. (Create, Read, Update and Delete) on Applications
- Learn about MVT (Model, View Template) for Web apps
- Build rock solid foundation in Git and learn key-related concepts.
- Manage and Update files with Git (move, rename, delete)
- Learn GitHub and how to use and manage the web based Git repository.



+5 International exams  
- additional in price

## ABOUT

A Backend Developer is a software developer who specialises in building the software's server-side functions. They commonly work with programming languages like Python, C, PHP, Java and Ruby. Backend Developers work with the elements of software that are unseen by the end user.

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PRICE: R18 900 / \$1100 / €1000 / £900

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# FULL STACK DEVELOPER

[Duration: 60 Hours/  
3 months]

Python or Java or C#

MEAN, MERN, MEVN or Lamp Stack, HTML, CSS,  
JavaScript

## - 20 HOURS

Python/Java/C#

Intro to python programming or intro  
to java programming or intro to c#  
programming

## - 40 HOURS

MERN, MEAN, MEVN or LAMP Stack

MongoDB, Express, Angular or React or  
Vuejs, Nodejs, JavaScript, HTML & CSS



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+6 International exams  
- additional in price

## ABOUT

Full Stack developers work with both the front and back end of a website. They're familiar with HTML, CSS, JavaScript, and one or more back end languages. .

2x Internationally award-winning



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# START ANYTIME!

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PRICE: R32 700/ \$1950 / €1950/ £1800  
R10900 / \$650 / €650/ £600 per 20 hours

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# WEB ENGINEERING

[Duration: 80 Hours/  
4 months]

Intro - Advanced

- 40 HOURS

Intro - Advanced Python or Java or C#

Objects & Classes, Datatypes &  
Variables, Decision Making, Arrays,  
Loops, Error Handling, Inheritance,  
Lambda, API's, Polymorphism, tkinter,  
using python/c#/java for web design.

- 40 HOURS

MERN, MEAN, MEVN or LAMP Stack  
MongoDB, Express, Angular or React or  
VueJS, Nodejs, JavaScript, HTML, CSS,  
Version Control - GIT



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+8 International exams  
- additional in price

## ABOUT

Full Stack developers work with both the front and back end of a website. They're familiar with HTML, CSS, JavaScript, and one or more back end languages. .

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Get internationally accredited & recognized in under 6 months!

# START ANYTIME!

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PRICE: R43 600 / \$2400 / €2400 / £2000

R10900 / \$600 / €600 / £500 per 20 hours

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# WEB & SOFTWARE ENGINEER MASTER

[Duration: 140 Hours/  
7 months]

## Intro - Advanced

Learn 3 stacks (MEAN, MERN & MEVN)

### - 40 HOURS

Intro - Advanced Python or Java or C#

Objects & Classes, Datatypes & Variables,  
Decision Making, Lambda, Arrays, Loops,

Error Handling, Inheritance,

Polymorphism, tkinter, using

python/c#/Java for web design. Pseudo  
code, flowcharts & documentation.

### - 100 HOURS

All 3 stacks: MERN, MEAN & MEVN Stack

MongoDB, Express, Angular, React,

JavaScript, Nodejs, Vuejs, HTML, CSS,

Django, SQL & PHP & Version Control-GIT



+8 International exams  
- additional in price

## ABOUT

The Master course teaches Software Engineering and frameworks. Learn how to manage the front and back ends of a websites, create software applications and manipulate data.

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PRICE: R76 300 / \$4900 / €4200/ £3500

R10900 / \$700 / €600/ £500 per 20 hours



Limited space

# SOFTWARE DEVELOPER MASTER

[Duration: 160 Hours/  
8 months]

## POSSIBLE INTERNATIONAL EXAMS\*

All international exams are additional in price as depends on exchange rate when booked\*



4 CODING LANGUAGES LEARNT - INTRO TO ADVANCED \*



4 FRAMEWORKS LEARNT\*



PRICE: R129 000/ \$9000 / €8000/ £7000  
50% upfront, 50% after 80 hours completed

## ABOUT

Master the 4 best coding languages. 4 best frameworks, plus you could gain 4 international certificates - you will be of a higher standard than most as you need 60 -75% to pass each international. In addition gain a internship with School of IT\*

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INCLUDES AN INTERNSHIP WITH SCHOOL OF IT\*

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# APP DEVELOPMENT: ANDROID STUDIO & FIREBASE/JAVA

[Duration: 40 Hours/ 2  
months]

## Uses Java/Firebase

Android System Architecture.  
Operating environment  
Support graphics & touch  
interface

Service Location

Work with the Android  
Location services API

Store data locally using SQLite

Using Firebase to send  
realtime notifications

Create beautiful screen layout  
s using the Constraint layout



+3 International exams  
- additional in price

## ABOUT

Use Android Studio and Java to write Android apps. You write Android apps in the Java programming language using an IDE called Android Studio. Based on JetBrains' IntelliJ IDEA software, Android Studio is an IDE designed specifically for Android development.

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# START ANYTIME!

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PRICE: R28 800 / \$1800 / €1600/ £1500  
R14400 / \$900 / €800/ £750 per 20 hours

Prerequisite: Intro Java course

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# APP DEVELOPMENT: ANDROID STUDIO & KOTLIN

[Duration: 40 Hours/ 2  
months]

## Uses Kotlin/Java

Android System Architecture.  
Operating environment  
Support graphics & touch  
interface  
Service Location  
Work with the Android  
Location services API  
Store data locally using SQLite  
Sending realtime  
notifications  
Create beautiful screen layout  
s using the Constraint layout



+3 International exams  
- additional in price

## ABOUT

Kotlin is a statically typed programming language for Java Virtual Machine (JVM) and JavaScript. ... Kotlin also introduces improved syntax, as well as concise expressions and abstractions. Using Kotlin with Java reduces excessive boilerplate code, which is a huge win for Android developers.

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PRICE: R28 800 / \$1800 / €1600/ £1500  
R14400 / \$900 / €800/ £750 per 20 hours

Prerequisite: Intro Java course



# APP DEVELOPMENT: REACT NATIVE

[Duration: 40 Hours/ 2  
months]

Uses JavaScript/Typescript

Introduces you to hybrid mobile  
application development

React Native UI Elements and  
Redux

React Native Alerts,  
Animations, Gestures, and  
Persist Redux Store

Accessing Native Capabilities  
of Devices: The Expo SDK

How to test & publish your app



+3 International exams  
- additional in price

## ABOUT

React Native is an open-source framework that allows you to build a mobile app with only JavaScript. It was introduced by Jordan Walke, a Facebook software engineer, as a new technology for simpler development and a better user experience. ... But with React Native, building a mobile app is much faster and less expensive

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PRICE: R28 800 / \$1800 / €1600/ £1500  
R14400 / \$900 / €800/ £750 per 20 hours

Prerequisite: Intro JavaScript course



# APP DEVELOPMENT: FLUTTER

[Duration: 40 Hours/ 2  
months]

## Uses Dart

Understand the fundamentals of  
the Flutter frameworks  
Incorporate widgets and state  
into your app

Use Flutter's tools to enhance  
your development process

Customize your app with  
Material Design, themes,  
assets, & more

Make your app interactive with  
text input, gestures, and more  
Retrieve local & real-time data  
from the web

+1 International exams  
- additional in price

## ABOUT

Flutter mobile application development is the real deal for scalable projects. Flutter applications are built using Dart — easy-to-learn object-oriented programming language. ... Most importantly, Dart code can run not only on iOS and Android but also used for desktop (Windows, Mac and Linux) and even web applications.

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PRICE: R28 800 / \$1800 / €1600/ £1500  
R14400 / \$900 / €800/ £750 per 20 hours

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Prerequisite: Intro Dart course



# APP DEVELOPMENT: XAMARIN

[Duration: 40 Hours/ 2  
months]

## Uses C# Language

Learn to write cross platform  
UI code & structures, How to  
build native applications

How to work on cross-  
platforms & custom controls

How to work with Forms

XAML, data binding and  
controls, and how to use them  
effectively within your  
Xamarin

Compile & run native builds

How to test & publish your app

+1 International exams  
- additional in price

## ABOUT

Xamarin is a highly popular open-source framework for cross-platform mobile development. A single technology stack of Xamarin, C# language and .NET framework, together with reusing up to 95 percent of the code, enables the quick and easy creation of mobile apps for Android, iOS and Windows operating systems.

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PRICE: R28 800 / \$1800 / €1600/ £1500  
R14400 / \$900 / €800/ £750 per 20 hours

Prerequisite: Intro C# course

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# APP DEVELOPMENT: IONIC/CORDOVA

[Duration: 40 Hours/ 2  
months]

Uses JavaScript, Angular, HTML, CSS

Hybrid Mobile App  
Development Frameworks: An  
Introduction

Ionic Components

Ionic Split Pane, Grid &  
Storage  
, and Deploying your App

Accessing Native Capabilities  
of Devices: Cordova and Ionic  
Native

How to test & publish your app

Ionic makes mobile development fun and fast, so you can build more! Ionic makes building cross-platform mobile apps enjoyable. ... Ionic dramatically changes the way mobile apps are built. Their integration with Angular means building functionality is now a breeze and it feels near-native.

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+1 International exams  
- additional in price

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# START ANYTIME!

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PRICE: R28 800 / \$1800 / €1600/ £1500  
R14400 / \$900 / €800/ £750 per 20 hours

Prerequisite: Intro Web Design course

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# APP DEVELOPMENT: IOS SWIFT PROGRAMMING

[Duration: 40 Hours/ 2  
months]

## Uses swift programming

Basic functions of XCode and  
other tools.

UIKit & the Interface Builder -  
layouts & some user interface  
elements.

User Interactivity

Multiple View Controllers &  
Navigation

Persistence & Networking

How to test & publish your app

## APP DEVELOPMENT WITH SWIFT LEVEL 1

+1 International exams  
- additional in price

## ABOUT

Swift by Apple is a ground-breaking programming language for iOS, watchOS, and, OS X, which can help develop apps that run flawlessly. Swift ensures secure and safe coding. As, it easily eliminates all risky code classes and, ensures to create a protected environment to create a stable solution

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PRICE: R28 800 / \$1800 / €1600/ £1500  
R14400 / \$900 / €800/ £750 per 20 hours

Prerequisite: Intro Swift course

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# SOFTWARE TESTING: SELENIUM & PYTHON

[Duration: 40 Hours/ 2  
months]

## Uses Python & Selenium

Complete knowledge on Python  
Automation using Selenium  
WebDriver

Understanding of Python Basics  
with many examples

Understanding on Selenium  
Python API Methods with real  
time Scenarios

Implement Python Test  
Automation Frameworks

Python Unit Test Frameworks  
like PyTest which will help  
for Unit and Integration  
Testing

+3 International exams  
- additional in price

## ABOUT

Selenium is a portable framework for testing web applications. Selenium provides a playback tool for authoring functional tests without the need to learn a test scripting language

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**PRICE: R28 800 / \$1800 / €1600/ £1500**  
**R14400 / \$900 / €800/ £750 per 20 hours**

Prerequisite: Intro Python course

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# SOFTWARE TESTING: SELENIUM AND JAVA

[Duration: 40 Hours/ 2  
months]

## Uses Java & Selenium

Selenium Webdriver with  
strong Core JAVA basics

Automate all possible test  
cases & code quality standards  
Web driver functions to  
automate & verify Data Integrity  
with the GUI of the application  
Design PAGEOBJECT,  
DATADIVEN & HYBRID  
Automation FRAMEWORKS from  
scratch

Understand Mobile Testing  
Database testing &  
Performance testing,  
Automation guidelines with  
Selenium



+4 International exams  
- additional in price

## ABOUT

Selenium is a portable framework for  
testing web applications. Selenium  
provides a playback tool for  
authoring functional tests without  
the need to learn a test scripting  
language

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R14400 / \$900 / €800/ £750 per 20 hours

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Prerequisite: Intro Java course

# GAME DEVELOPMENT:

## UNITY & C#

[Duration: 120 Hours/  
6 months]

### Uses unity and c#

- Can build your own projects using C# in Unity
- Adept at navigating the Unity interface and interpreting basics of the API
- Confident iterating with prototypes, debugging, and solving programming challenges
- Capable of creating and programming a function state machine
- Can build complex games using C# in Unity
- Build a game for publication
- Get a solid understanding of end-to-end game production

+6 International exams  
- additional in price



CERTIFIED  
Associate  
Game Developer

## ABOUT

Unity is a tool that allows you to accomplish different types of tasks related to the game production process. Unity provides game developers with a 2D and 3D platform to create video games. What makes Unity so appealing to developers is that it's simple to use so that you don't need to start from scratch.

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# START ANYTIME!

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PRICE: R65 400 / \$4560 / €4160 / £4000  
R10900 / \$740 / €630 / £570 per 20 hours

Prerequisite: Intro C# course

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# GAME DEVELOPMENT: UNREAL & C++

[Duration: 120 Hours/  
6 months]

## Uses unreal engine and c++

- Recreate the process for blocking out a 3D environment.
- Edit a blocked-out scene based on testing of pacing and flow.
- Use best practices to light a scene to create a believable mood.
- Apply post-processing volumes to modify the color grading and atmosphere of a scene.
- Import custom assets into Unreal Engine.

+2 International exams  
- additional in price



## ABOUT

Unreal Engine is a C++ video game engine based on the Unreal Tournament game series. Game developers use game engines like Unreal to take some of the “grunt work” out of developing a video game. For example, a game engine might have already established tools that allow you to do things like control the lighting and physics in a game, create models, and more. This saves the game developer a lot of time, allowing them to focus more on things like the graphics

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PRICE: R65 400 / \$4560 / €4160 / £4000  
R10900 / \$740 / €630 / £570 per 20 hours

Prerequisite: Intro C++ course

# INTRO TO BLOCKCHAIN

[Duration: 20 Hours]

An Introduction to Blockchain basics.  
Hyperledger: Distributed Ledger Technology

Difference between Database & Blockchain.  
Introduction to Cryptography, Cryptography  
and Cryptographic Hash Functions.

Block mining of a Blockchain works - Peer-to-Peer network, Proof-Of-Work Algorithm.  
Sample code to understand Hashing.

How Cryptocurrency works.  
Knowledge of CBDCs that will give you the latest developments of finance.

Smart Contracts in Blockchain environment.  
Learn to deploy & develop smart contracts on Ethereum test network, Hyperledger & Corda; three leading Blockchain technology platforms.

Which Blockchain platforms among Ethereum, Hyperledger or Corda.  
Public & Private Keys in Bitcoin.

Learn about Bitcoin Wallets.  
Insight into crypto asset and digital currencies in the South African and emerging market context. How to buy and Sell Bitcoins.

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## ABOUT

Blockchain.com is a cryptocurrency financial services company. The company began as the first Bitcoin blockchain explorer in 2011 and later created a cryptocurrency wallet that accounted for 28% of bitcoin transactions between 2012 and 2020.

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**START ANYTIME!**

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**PRICE: R16 900 / \$1100 / €1000 / £900**

*Full Payment before commencement (no payment plan)*