



SOFTWARE ENGINEER

2 YEARS | NQF 6

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SOFTWARE ENGINEER

NQF 6

A Software Engineer is a person that works with the design, development, testing, and maintenance of software applications.

Software engineers apply engineering principles and the knowledge of programming languages to build software solutions for end users.

This qualifies students for job titles such as Senior Developers, App Developers, Software Engineers and Systems Architect.*

DURATION

2 Years

ENTRY REQUIREMENTS

Any NQF Level 4 qualification

COURSE INCLUSIONS

- All Digital Textbooks
- Computer & Software Use in Class
- International Exam Prep & Vouchers

QUALIFICATIONS

- Occupational Certificate: Software Engineer, SAQA ID: 119458, NQF 6

INTERNATIONAL CERTIFICATIONS

- Microsoft Certified Azure Fundamentals
- Microsoft Certified Azure Database Administrator Associate
- Microsoft Certified Azure Developer Associate

*Examples only.



COURSE FEES

REGISTRATION FEE

Once a student is accepted for the programme, the non-refundable Registration Fee is required to be paid within 60 days in order to secure the students place in the class.

R1250.00 - due upon acceptance of place in the class

COURSE FEE & MONTHLY INSTALLMENTS

R124 900.00

Once Off Deposit: R20 000.00

Installments: R 5245.00 x 20 months (Feb Year 1 – Sept Year 2)

DISCOUNTED CASH FEE

R105 900.00 Full Settlement Upfront for 2 Years

Or;

R55 900.00 Upfront Settlement per year.

The discounted price must be settled in full by 15th December prior to the academic year. Alternatively, learners can pay the deposit amount, and settle the balance by end January of the Academic year enrolled for.

MODULE BREAKDOWN YEAR 1

EUC1A End User Computing | 6 Credits

This module focuses on introducing and developing students' business computing skills and their understanding of computing in a business environment.

Business computing skills covered in the course relate to spreadsheets, word processing, search techniques and the use of computers as a presentation medium, using the Windows Operating Systems and Microsoft Word, Excel and PowerPoint.

BCOM1A Business Communication | 8 Credits

The aim of this module is to teach learners to communicate effectively in a business environment, using a variety of techniques including oral and written communication skills.

HASOF1A Hardware & Software Fundamentals | 60 Credits

This module covers the CompTIA A+ Hardware and Software Curriculum, and the aim is to introduce learners to hardware and software fundamentals, such as PC infrastructure, peripherals, troubleshooting and installations.

NETSEC1A Networking & Security Fundamentals | 20 Credits

This module covers components of the CompTIA N+, Microsoft MTA 40366 and Microsoft 40367 Curriculum.

The aim of this module is to introduce Networking concepts such as topologies, WiFi, IP Addressing, LAN, WAN, Network configurations and fundamental Security Concepts.

MODULE BREAKDOWN YEAR 1

MATH1A Mathematics | 5 Credits

This module focuses on introducing and developing students' logical thinking, Mathematics and Basic Calculation skills for Computer Software Engineering.

PROG1A Programming Fundamentals | 7 Credits

This module covers the Microsoft MTA curriculum for 40363, 40361, 40375 and 40364. The module aims to introduce learners to underpinning programming concepts, platforms, and testing of code, including HTML, Python, CSS, Javascript, SQL and C#.

WEBD1A Web Development 1 | 40 Credits

This module focuses on developing interactive web forms, pages and sites using Javascript, HTML and CSS.

DATA1A Database Development 1 | 23 Credits

This module prepares students for the Microsoft Azure Database Developer Associate Certification. This module aims to teach learners what databases are, why they are required, querying, administering and implementing them in a business, using SQL.

APPD1A App Development 1 | 39 Credits

This module prepares students for the Microsoft Certified Azure Developer Associate Certification. This module teaches learners the programming language of C# as well as Python, which is a widely used code for application development.

TECHIN1A Technology & Innovation | 11 Credits

This module introduces learners to the concepts of Design Thinking for Innovation. It also covers topics including 4IR and Future Skills.



MODULE BREAKDOWN YEAR 2

PROJ2A Project Management | 5 Credits

This module covers the CompTIA Project+ curriculum.

The aim of this module is to introduce learners project management principles to enable them to support the project environment and activities to deliver project objectives

MATH2A Mathematics 2 | 15 Credits

This module will teach learners essential Digital and Business Mathematics principles.

WEBD2A Web Development 2 | 45 Credits

Document system design from scratch and develop code.

DATA2A Database Development 2 | 20 Credits

Design and Manipulate working Databases for Information Systems.

APPD2A App Development 2 | 60 Credits

Program and deploy applications as well as test or debug source code to ensure client's needs are met.

Compulsory Workplace Learning

All students will be required to complete Workplace Experience. A logbook must be completed, signed off by a Mentor at the company.



APPLICATION PROCESS

At iStudent Academy, we want you to be fully informed about your Career choice.

An application is done so that our institution can confirm that you meet the entrance requirements for your chosen course, and if you do not, so that we can offer you Career Guidance.

A Career Advisor can offer you guidance at our campuses, free of charge!

It is FREE to apply with iStudent Academy online at www.istudentacademy.com/apply

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STEP 1: APPLY ONLINE

Use our simple online application system to submit your details for consideration into your selected course and campus - www.istudentacademy.com/apply

2

STEP 2: PROVISIONAL ACCEPTANCE

A Career Advisor from your chosen campus will call you about your application, and schedule an acceptance meeting with you and your parent or guardian.

3

STEP 3: REGISTRATION

Once you have been accepted and are ready to secure your place in the class, you will need to formalize your Registration with iStudent Academy within 60 days.