



Computer Programming with Java

Duration: 11 weeks,
one evening per week

Delivery: Online,
On-campus

Intakes*: Feb 2024

Fees:** Online – € 765

On-campus – € 995

*Contact us for next availability.

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This introductory-level computer programming course is designed for those with little or no previous experience in the area. It provides learners, regardless of their background, to feel justifiably confident in their ability to write code and is ideal for any learner with an interest and motivation to embark in a career in software development.

Students will learn the fundamental concepts and terminology of software development and develop skills in designing and writing computer programs. Start with the basics and go on to write your own programs and integrate input and output, calculations, decision making, and loops.

Course structure

Introduction

- Introduction to Computer Programming
- Set Up Java Installations
- Run Your First Programme
- Learn About Primitive Data Types
- Introduction to creating classes and objects, attributes and methods
- Introduction to data variables, data input and writing a programme
- Using Java for Decision-Making Process
- Java Loping Structures and Enumerated Data Types
- Handling Exceptions in Java
- Class Methods and Debugging Process
- Introduction to GUI Programming
- Basics of OOPS Concepts Inheritance, Overriding, Polymorphism
- Overview of the Java SE7 Certification

Participants will be required to successfully complete a web project worth 100% of the grade.

Career opportunities

Computer Programming is often the first port of call for anyone looking to move into a full-time role in software development. This course will serve as an excellent and comprehensive introductory foundation in programming and will help to secure entry-level positions across the IT sector for roles including but not limited to software testing and junior developer.

Entry requirements

Basic to moderate understanding of windows and using a PC is required for this course.



Lecturer profile: Brian Rodgers

Brian is a software developer and software development trainer with over 20 years' experience with extensive knowledge over a large portfolio of software development platforms and tools including being a Java Developer, Software Architect and Designer, and a Trainer in Net(C# and VB.Net), C/C++, SQL, Oracle, MySQL, Python, Web Development , HTML/CSS/JavaScript, PHP, Ruby, MS Access Database.

"This course gave me brand new skills in Java, in a relatively short space of time. It opened up new doors to learning other programming languages."

Zhivko Stankov
Graduate

*More intakes available. Get in touch to find out more.

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