

Kurs: **Basiskurs Programmierung**

Klassifikation der Berufe: 43412 Software-Entwickler/in

Inhalt: Grundlagen der Programmiersprache C und Java

Zielsetzung: Vorbereitung auf die Studie QA (Manuelle und automatische prüfung)

MODUL oder JAVA/WEB/MOBILE (Full stack development) MODUL

Einreisebestimmungen: Grundlagen Englisch, PC oder Laptop zu Hause,

Logik-Grundtest

Gesamtdauer: 2 Monate

Lektionen: 192 Stunden

BASIC PROGRAMMING MODULE

192 hours*

PROGRAMMING LANGUAGE FUNDAMENTALS

160 hours

Basics · Hardware and Software Architecture · Computer and Networking Basics · Software Infrastructure and Applications · Numbering Systems Notation · Open Sources and Open Standards · Development Platforms Integrated Development Environment · IDE Eclipse Basics · Compiler and Builder · Programming Language Basics · Data Types · Operators · Statements · Functions · Symbol Presentation and Coding · Array · Basic Programming Patterns · C Practicing · Sequential and Binary Search · Sorting · Reversing · Merging · Object Oriented Programming · OOP Principles (Encapsulation, Inheritance) · Polymorphism · Classes and Objects · JAVA Basics · OOP Implementation in JAVA · JAVA Practicing

LINUX FOR BEGINNERS

8 hours

Operations · Manipulations · Basic Scripting

ENGLISH FOR SOFTWARE DEVELOPERS

12 hours

Basics · Terminology

GERMAN FOR SOFTWARE DEVELOPERS

12 hours

Basics · Terminology

* — Tel-Ran Educational Center can make changes and adjustments to this program due to the relevance of the studied technologies without losing the total number of study hours without notifying students.