

# Graduation Day – Web / Mobile Bootcamp 2018

Today was the graduation day of the one year Coding Bootcamp in Edenvale / The Deaf students completed their one year course covering

- JavaScript (with HTML and CSS)
- SQL (using MySQL, Node.JS) – Building an Express Web App
- WordPress
- Mobile Apps for Android / iOS Using Flutter/ Dart

The top 3 students each got a trophy from Code College

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## Another Batch of Java Developers Were Born!

The January [Java Bootcamp](#) has concluded and produced another batch of highly skilled Junior **Java Developers**. They have done the Java Bootcamp (over a 6 month period) which is a [full stack web coding bootcamp](#) focusing on Java. The [Java Bootcamp](#) is comparable to an internship as we focus on competencies needed by employers.

**Java Standard Edition knowledge and competence for Oracle Certification**

In the first 3 months of the bootcamp we cover Java Standard edition aligned with the Oracle Java Certification syllabus (OCA and OCP).

### Full Stack Java Spring Framework Web Application Development

In the last 3 months of the bootcamp we cover practical web development with the Spring Framework.

Date	Course	
Jan 2018	<p><b><u>Intro To Programming (HTML/CSS/JavaScript)</u></b></p> <p>JavaScript was used as the basic coding language with support of HTML and CSS. The fundamentals of coding were taught: Syntax, Variables, Types, Data Structures, Control Flow VS Code</p>	<p>Passing the international JavaScript exam on ww3schools. Building various apps like a shopping cart program.</p>
Jan 2018	<p><b><u>Java Beginner (OCA Aligned)</u></b></p> <p>The course focussed on Object-Orientation and the Java Language Fundamentals. We also covered to Oracle Certified Associate Java Programmer Syllabus. Netbeans</p>	<p>Passing a Test in the Java concepts and fundamentals of Object-orientation</p>
Feb 2018	<p><b><u>SQL (aligned with MTA)</u></b></p> <p>Querying in SQL, Database Design, Entity Modelling Using MySQL Workbench MySQL Workbench</p>	<p>Passing the international SQL exam on w3schools Building a normalised multi table database design using a UML Modelling tool on MySQL Workbench</p>

Mar 2018	<p><b><u>Java Advanced (OCP aligned)</u></b>  Practical skills in Java like Networking, Database interfacing, Writing Swing GUI apps performing CRUD operations.  Netbeans</p>	Building a CRUD JDBC application, using Java and Swing GUI
Apr 2018	<p><b><u>Spring MVC / Hibernate</u></b>  The fundamentals of Spring MVC with Hibernate used in Web Applications.  Spring AOP, Spring Security, Spring REST, Spring Configurations with XML / Annotations, Maven  Eclipse / STS</p>	Building a CRUD Web Application
May 2018	<p><b><u>Spring MVC (Online Store)</u></b>  Building a complete online shopping cart with user login using Spring Security, Apache Tiles, Spring Web Flow, Testing, REST / Ajax, Spring Tag Libraries..  Github Integration with Eclipse</p>	Building a complete shopping web app with a shopping cart using the technologies mentioned on the left.
June 2018	<p><b><u>Spring Boot</u></b>  Autoconfiguration, Logging, JDBC Template, MyBatis, JPA, MongoDB, Tomcat, Jetty, REST API, Spring Reactor / WebFlux, Spring Security, Actuator, Testing, JHipster, Heroku  IntelliJ</p>	Build a Spring Boot App with Jhipster and an Angular front-end using the technologies mentioned on the left. Deploying it to Heroku.

**Employers**, if you are not talking to us yet about these graduates, please [contact us now!](#)

**Prospective Students**, if you want to find out more, please

[contact us now!](#)

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# Getting School Leavers in Eldorado Park Ready for Coding

Code College is Training 40 final year school kids the basics of coding (Introduction To Programming) . This will enable them to enroll in further advanced practical training like [Full Stack Web Coding](#) which cover International Certification like the [Java Bootcamp](#) .

Our Intro To Programming Course is intended for people who know nothing about coding, and teach them all the fundamentals from a knowledge perspective as well as a competency perspective.

We also use our Intro To Programming Course Outcomes as an entry requirement for our [Full Stack Web Coding Bootcamps](#) .

## [Wikipedia on Coding Bootcamps:](#)

Coding bootcamps can be part-time or online, they may be funded by employers or qualify for student loans. According to a 2017 market research report, tuition ranges from free to \$21,000 for a course, with an average tuition of \$11,874.

In Europe, coding bootcamps can be free or a couple thousand euros per program. In contrast to formal university education, private offerings for training appear expensive.

On August 16, 2016, the US Department of Education announced up to \$17 million in loans or grants for students to study

with nontraditional training providers, including coding bootcamps. These grants or loans will be administered through the pilot program, EQUIP which stands for Educational Quality through Innovation Partnerships.

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# Python Bootcamp 20 Feb

## Pre-requisites

[Intro to Coding](#) or IT in Matric

## Content

Modules covered	Summary
<a href="#">Beginner Python</a>	Python Language and OO Fundamentals
<a href="#">Advanced Python (Full-Stack)</a>	Building Various Apps with Python
<a href="#">SQL</a>	SQL Querying
<a href="#">Django</a>	Python Web development
<a href="#">JavaScript</a>	Front-End Must-Have
<a href="#">HTML5/CSS3</a>	Publish to iOS and Android or Stay Pure

## Duration:

Every module is presented in-classroom for 5 full days, with projects to be completed on campus and / or at home with video conferencing support over the internet over the following week. The total duration is 6 months. Weekly project progress meetings must be attended.

## Full-time:

The above core modules are attended in the classroom on an average of one every 4 weeks. In between these modules practical assignments are worked on. Students do not have to be on campus when they work on practical assignments but will need to be internet connected to the lecturers via video conferencing if they are working from home.

## **Pricing**

### **Full-time course**

R53,970.00 excl VAT (pre-paid price). Price per module is a total of R61 000 excl VAT. [Group discounts](#) apply too.

### **Part-time studies**

The same price applies for part-time

If you are working and cannot attend full-time, Tuesday and Thursday evenings are for part-time students.

Part-time students should also attend the Wednesday evening workshops.

### **Bootcamp Group discounts**

Book more than one student on a 6 month bootcamp (normal price is R60 000). (Student has to attend class only 1 week per month – in between homework meetings are done via Google Hangouts ).

2 students – 20% discount

3 student – 35% discount

**4+ students – 40% discount!!**

### **Self-study / Distance Learning**

The Python Bootcamp is also available in a [distance learning](#) format.

### **Brochure**

To download a brochure of this page in pdf format, please click on the pdf icon at the top of this page.

## Booking / Enquiries

Please click [here](#)

Any questions? Please [click here](#)

## Schedule

Look at the calendar below or please [enquire](#) .

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# Coding Bootcamp Entry Course : Intro to Programming 19-23 Sep 2016

This is the last chance in 2016 to do the [Intro to Programming Course](#). This course is a pre-requisite to all coding bootcamps as well as coding courses like:

[Beginner Java](#)

[Beginner Python](#)

[Beginner PHP](#)

[Beginner C#](#)

[Beginner C++](#)

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# Matriculant Launches Programming Career With Loan

A recent graduate of GetCertified Code College was able to attend the institute's Java Bootcamp course because of its policy of offering study loans to qualifying candidates.

Without that opportunity, says the graduate, he would have faced a significant delay in getting his career in software development started. However, because of it, he was able to commence his studies with GetCertified Code College in January of this year, having just passed his matric finals, and completed the course in 6 months.

Before even writing his Oracle Java Certification exams, the student interviewed with a prospective employer and landed his first job. (After training, participants register to sit for the internationally recognised Oracle Certified Associate Java exam and Oracle Certified Professional Java exam.)

So, in a short period, he was able to start earning what he calls "a very decent income compared to my friends", doing what he loves. "Computing was the one subject I really excelled at in school," he says. "So it was obvious that this was the career I wanted to follow."

He chose Java because it's found everywhere in business. "It's



a really popular programming language and if you learn it, you won't have trouble getting a foot in the door."

In applying for the loan, one thing stood in his way – average maths marks. However, according to Arnold Graaff, owner of GetCertified Code College and head lecturer, this is not the only criteria for being granted a loan or access to the programme. "While we do consider math scores, our aptitude test and face-to-face interviews play an equal role in determining a candidate's overall suitability. In this person's case, the outcome was positive and indicated he was quite capable of mastering the subject."

As it turns out, the assessment was right. Talking to the student it's obvious he's passionate about programming and took his studies seriously throughout.

But what if a student cannot find work and pay their loan back? "That's never happened," says Graaff. "Junior Java programmers are in such high demand that candidates always find employment fairly soon after they qualify."

That fact can be observed in Compuways – a technology recruitment agency and sister company to GetCertified Code College – that helps place graduating students. According to Graaff: "For years, Compuways has had a backlog of requests for junior Java programmers. That's how entrenched the language is in the industry."

Java is favoured by corporations due to its robust security,

technical flexibility, and ability to process large amounts of data. With trillions of lines of code already written, there's no end to the need for developers who grasp its inner workings.

The student credits his success to his determination and the expert tutoring he received. Arnold Graaff is the ideal lecturer, holding a BSc in Computer Science with Honours and boasting 30 years in the IT industry. "I liked that the classes were quite small and so Arnold gave individual attention to each person to make sure they understood the work."

The course materials are backed by practical projects that challenge students' understanding of the concepts. "I especially enjoyed the Java web application project because of the exposure to web technologies," says the student. Coincidentally, his employer produces a Java web application that offers vehicle tracking and management and accepted him on the strength of his knowledge in this area.

GetCertified Code College welcomes loan requests from newly matriculated students who can motivate their need. Graaff also encourages those passionate about computers to take the entrance tests even if they have not achieved high maths scores. This is the best way to determine one's aptitude for this exciting career path.

For course details, visit [getcertified.co.za/bootcamps/java-training-course](https://getcertified.co.za/bootcamps/java-training-course)

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# Java SE 7 Programming (Advanced Java) Part-time 14 March

## Alignment

Oracle OCP Certification aligned to Oracle Exam 1Z0-804

## Prerequisites

You should already be at the [Beginner Java](#) level before attempting this course.

## Intended Audience

The Java SE 7 programming (Advanced Java) course is intended for people who has completed our [Beginner Java](#) course or is at the same level. The Advanced Java training course is meant to apply everything you have learned in the Beginner Java course, learning new things and making use of more practical features of Java like IO, networking, data structures and more. After completing this course and the one before, you would have covered most of the topics required to prepare for the international exam, OCA and OCP as well as build small SE applications. To get intensive job-graded preparation assistance, have a look at our [Java Bootcamp](#).

## After this course you should be able to

- Have a good understanding of programming and the building blocks of an OO programming language, with an emphasis on JAVA.
- Prepare for Oracle OCP Exam 1Z0-804

- Proceed to any of these courses
  - [OO Analysis and Design](#)
  - [Design Patterns](#)
  - [Servlets and JSP Beginner and Advanced](#)
  - [OCA/OCP Workshop](#)
  - [Android Beginner](#)

## **Course Material**

Course Material Provided

## **Course Contents**

### Day 1:

#### Static Classes

- Static Methods,
- Static Variables
  - Math Class
  - Math Methods
- Static Imports

#### Wrapper classes

- Autoboxing
- Number formatting

#### Date / Time API

- Moving backward and forward in time
- Getting an object that extends Calendar
  - Working with Calendar objects
  - Highlights of the Calendar API

### Day 3:

#### I/O Fundamentals

- Saving Object state
- Implement Serializable
- Transient variables

#### File I/O (NIO.2)

- Java I/O Streams
  - Path Interface
    - File Class
- Stream API (NIO2)

### Day 5:

#### Collections and Generics

- Collections
- Sorting an ArrayList with Collections.sort()
  - Generics and type-safety
    - Comparable interface
    - A Custom Comparator
  - Collection API : lists, sets, maps
    - HashSet
    - HashMap
  - Polymorphism wildcards

#### Lambda Built-in Functional Interfaces

- Listing the built-in interfaces included in java.util.function
  - Core interfaces – Predicate, Consumer, Function, Supplier
- Using primitive versions of base interfaces
- Using binary versions of base interfaces

### Day 2:Exception Handling

- What if you need to call risky code?
  - Checked Exceptions
  - Flow control in try/catch blocks
  - Exceptions are polymorphic
- When you don't want to handle an exception...
- Ducking (by declaring) only delays the inevitable

#### Nested Classes

- Getting GUI: A Very Graphic Story
  - Getting a user event
  - Listeners, Sources, and Events
- An inner class instance must be tied to an outer class instance
- How to make an instance of an inner class

### Day 4:

#### Networking

- Connecting, Sending, and Receiving
  - Network Sockets
  - Writing a simple server
  - Writing a Chat Client
- **Threads & Concurrency**
  - Thread class
  - Runnable interface
  - The Thread Scheduler
- Putting a thread to sleep
  - Atomic methods
- Using an object's lock
  - Synchronization

## Duration and pricing

- Full-time over 5 days (R8995 excl VAT)
- Part-time over 4 weeks (2 nights per week, 3 hour sessions) (R10995 excl Vat)
- Part-time over 8 Saturdays, 3 hour sessions (R10995 excl Vat)

- [Distance-learning](#) over up to 3 months (R7995 excl Vat)
- The OCP Exam is not included in the course price

## **Certificate**

1. Upon completion of this course we will issue you with attendance certificate to certify your attendance and / or completion of the prescribed minimum examples.
2. You may sit for our Advanced Java assessment test and on passing you will obtain our competency certificate.
3. Our Advanced Java assessment can be booked and taken by someone who has not enrolled for the course at a cost of R950.

## **Schedule**

On the calender on this page below.

If your browser doesn't display the calendar below, please click on [this link](#) or try using [Google Chrome](#), alternatively please enquire via our 'Contact Us' page.

## **Bookings**

You can download the course registration form on our home page or by clicking [here](#)

## **Brochure**

You may download a pdf copy of this page by [clicking here](#).

## **Questions**

Please [email us](#)

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# Veteran Programmer Recommends Getcertified's Java Bootcamp

SAP is one of the most advanced computerised business systems in the world. Many IT professionals have built life-long careers around this complex application and are considered to be top experts in the industry. So it was a welcome validation that one school leaver's father, himself a SAP programmer, advised his son to attend GetCertified's Java development course.

Java is a programming language favoured by corporations due to its robust security, technical detail, and ability to easily process large amounts of data. It is also used extensively to write Android apps and, of course, SAP programs.

The student hoped to follow in his father's footsteps and approached him for advice on how to get started. While researching available study avenues, the elder came across GetCertified's web site and reviewed the details of our Basic and Advanced Java courses. Impressed by the course content, he encouraged his son to enrol.

Although the student's matric math marks were average, his aptitude test and face-to-face interviews revealed a strong capability to master Java, and he was accepted on this basis.

The student himself had no previous programming experience, having only recently matriculated. He found the initial course difficult as he grappled with the basics of programming as well as the Java language. However, he commends his lecturer, Arnold Graaff, for helping him gain the insight needed to succeed. "Arnold was always ready to provide me with additional mentoring," he says. Under that tutelage, by the time the student tackled his practical project in the advanced course, he had a solid understanding of Java and general

programming principles.

Graaff's own qualifications – a BSc in Computer Science with Honours and 30 years in the IT industry – make him the perfect instructor.

After training, all participants register to sit for the internationally recognised Oracle Certified Associate Java exam and Oracle Certified Professional Java exam. The student achieved an outstanding 96% pass at his first sitting. Total time studying was 6 months.

After exams, he was afforded the opportunity to work on a 6 month contract with BMW South Africa as a junior Java developer. Should his work meet their standard, the company will consider offering him a permanent position.

GetCertified partners with Compuways – a top IT recruitment company placing tech personnel since 1990 – to find positions for students who successfully complete the course. “Junior Java developers are in demand and we have standing orders for their skills, enabling us to place them very quickly” says Graaff.

Bursaries or study loans are available on request to applicants who passed pure maths in matric, or who perform favourably in GetCertified's aptitude test and face-to-face interviews.

For course details, visit [www.getcertified.co.za](http://www.getcertified.co.za).

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### **About GetCertified IT Training**

Johannesburg-based GetCertified IT Training was established in 2004 as a subsidiary of Compuways IT Consulting. The company provides targeted, quality IT training to two markets: IT professionals who want to cross-train themselves to improve their career prospects, and individuals wanting to enter the



IT job market for the first time. All courses are aligned to recognised international certification syllabi and are designed to achieve a level of practical proficiency required by prospective employers.

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# **Employing Junior Java Bootcamp Graduates is an Investment in Your Teams Future**

Our [Java Bootcamp](#) teaches promising students the latest skills and knowledge about programming in Java as well as to pass the international OCP / Java exam.

The government has created various incentives to employ juniors, so is it not a good idea to look at a few promising junior Java Programmers. Any software team needs a long term strategy for growth and sustainability.

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# **Why I studied the Java Bootcamp and would like to recommend it.**

Here is my story.

I come from a call centre environment and I was really tired of it, so I wanted to do programming on a full-time basis and

had no prior education or experience in any IT field and I did the bootcamp from the 1st of July last year and got my Java international(SCJP 6) on the 10th of December there after took a few weeks to complete my java project. Which was completed at the end of Jan this year, I have to be honest with you I don't look over my shoulders, I'm thinking its the best decision I have ever made, because shortly there after I got 2 interviews. I currently work as a junior software developer at one of the companies.

If you ask me I would say, "It doesn't get any better than this", its the ultimate job satisfaction.

Kind regards,

Xolani