

Welcome to the course!

Welcome to the "Data Software Engineering" course.

You will start your learning path with 3 levels of **technical self-paced courses**: 01-Basic, 02-Beginner, 03-Fundamentals, commencing from the basics of computer science and advancing towards engineering concepts.

To complete this stage of the learning you will need to **study all materials** provided, pass a **final technical test** ($\geq 70\%$) and **English test**. Upon achieving successful results in both technical and English test, you will be invited for an **interview** with a production technical specialist.

*To be enrolled into the next stage - Mentoring Program (04 Level), you should attain a minimum completion rate of 70% in the technical test, have English at least level B2 and pass successfully interview with a production specialist.

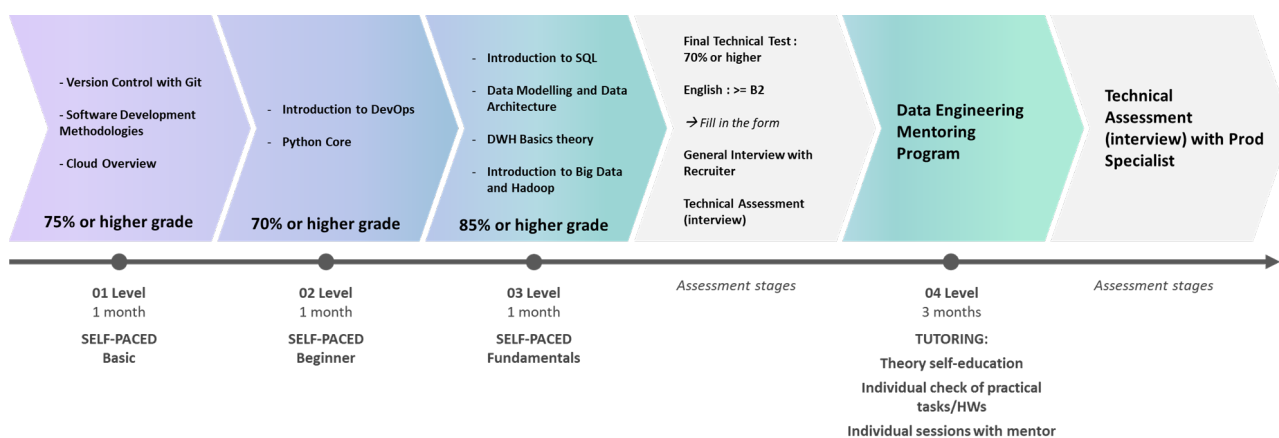
Based on the results of the technical interview, a decision will be made regarding your inclusion in the next stage of the educational program (Mentoring Program - 04 Level) that offer one-to-one weekly communication with our best-in-field experts. This level comprises theory materials in English, practical assignments, individual sessions with mentors and feedback provided for each homework.

Upon the Mentoring Program's completion, if all the materials have been studied, assignments completed, a participant will receive feedback and be invited to a technical interview.

*Please note that if you **don't start passing the self-paced courses or your progress remains below 20% within 3 months** after the registration, your application will be automatically rejected and the access to the learning materials will be revoked.*

If you have some issues/problems/questions please [fill in this form](#).

You can view your learning path on the scheme provided below:



01 Level - Basic Technical Courses

Ready for a new career adventure? Start with Basic Technical Courses!

This block is developed to refresh/learn the basic things that will help you in your further learning.

Agenda:

1. Version Control with Git
2. Software Development Methodologies
3. Cloud Overview

02 Level - Beginner Technical Courses

The content in this block will serve as an introduction to the fundamentals of DevOps and will help you to refresh your knowledge of Python.

Agenda:

1. Introduction to DevOps
2. Python Core

03 Level - Fundamentals Technical Courses

This block is developed to provide an introduction to the foundational principles of data engineering.

Agenda:

1. Introduction to SQL
2. Data Modelling and Data Architecture
3. DWH Basics Theory
4. Introduction to Big Data and Hadoop

Technical test

Congratulations!

If you have made it till this point - it means you have completed data and devops parts of the first stage of the program and there is the last (but not least!) part left - the topic screening. It will cover all theoretical aspects you have learned in these modules.

What's next? Data Engineering Mentoring Program

We are delighted that you've decided to take the first steps towards the Data Engineering career.

To be enrolled to Data Engineering Mentoring program (04 Level) you need to:

1. complete all 3 parts of self-paced materials attaining minimum completion rates: Basic ($\geq 75\%$) ; Beginner ($\geq 70\%$) ; Fundamentals ($\geq 80\%$);
2. pass Technical Test with no less than 70% completion rate;
3. pass English test with no less than B2 level of English proficiency;
4. fill in the form (check 'Technical test' block);
5. pass general interview with a Recruiter (you will be contacted);
6. pass successfully Technical Interview with a production specialist.