

## A new tool for creating programs

In the project part of the Python course, students will not only learn the intricacies of programming, but also master a professional developer tool: **VS Code**.

## What is VS Code?

This is a professional code editor that allows users to create and launch applications, projects, and games. In 2019, the developers of Facebook decided to do work exclusively in VS Code!

## Why learn Python with VS Code?

To teach the project part of the course, we will be using libraries that refer to a computer's operating system. This is important because it will allow students to use advanced graphics in their projects, which would be impossible with just an online platform. That is why we chose a special integration of the "Algorithmics" platform and the professional development environment VS Code.

## Why install VS Code through "Algorithmics"?

Our application includes everything necessary for the learning process. If you choose not to use it, you will have to install several distinct programs and put additional effort into making sure they work.

Most importantly, **"Algorithmics" VS Code is integrated into the learning platform**. The site [learn.alg.academy](https://learn.alg.academy), complete with authorization, profiles, chat, theoretical materials and assignments for each project, is essentially built into this application. Moreover, **each project the student creates in class or at home is automatically saved** to the student's account.

## How do I install it on my computer?

We have developed installers for all of the popular operating systems: Windows, Linux и MacOS.

Installation instructions **for Windows OS**:

<https://student.help.alg.academy/content/how-to-install-algo-vscode-onto-windows>

Installation instructions **for Linux**.

<https://student.help.alg.academy/content/how-to-install-algo-vscode-into-linux>

Installation instructions **for MacOS**:

<https://student.help.alg.academy/content/how-to-install-algo-vscode-onto-macos>

## What if I've already installed VS Code?

VS Code is constantly being updated so, if you've already installed VS Code, you will have to bring your version up to date. To do that, use the links below to re-install it on your computer.

Another reason to update the application are the libraries students will use. We built them directly into the installer, so that you will not have to spend any additional time installing and fine-tuning them.

## Troubleshooting.

If issues arise, please refer to **support**.