Training

« Google IT Automation with Python Professional Certificate »

With ADEM, take your career to the next level in the fast growing field of IT administration (on premise and Cloud) with the popular programming language Python!

Google Career Certificate Courses are designed to prepare you for an entry-level role in occupational fields like IT support, data analytics, project management, UX design, IT Automation with Python, Digital Marketing & E-Commerce, Cybersecurity as well as Business Intelligence.

Training content

In the Google IT Automation with Python Professional Certificate program, you will learn how to program with Python and how to use Python to automate common system administration tasks.

What you will learn?
- Automate tasks by writing Python scripts
- Use Git and GitHub for version control
- Manage IT resources at scale, both for physical machines and virtual machines in the cloud
- Analyze real-world IT problems and implement the appropriate strategies to solve that kind of problems

This professional certificate (over 110 hours) comprises 6 courses:
- Crash Course on Python
- Using Python to interact with the Operating System
- Introduction to Git and GitHub
- Troubleshooting and Debugging Techniques
- Configuration Management and the Cloud
- Automating Real-World Tasks with Python

Target group

Jobseekers registered with ADEM preparing for a variety of roles in IT like more advanced IT support specialist or junior systems administrator positions.

Qualifications required:

Diploma:	Bachelor degree in Computer Science or a relevant experience are required
Language skills:	Good knowledge of English (reading, speaking, writing)
Other:	• being familiar with basic IT administration, like operating systems, files and processes, networking and data management
	• having confirmed knowledge of Python programming
	• having basic understanding of automation in IT administration field
	• being available for an intensive online training, being flexible and used to fix and respect deadlines
	• having access to a personal computer (either Mac, Windows, or Linux) and having advanced digital skills

DURATION — 6 months

PLACE OF TRAINING — 100% online training

INTERESTED? — Interested? Please ask your personal ADEM counsellor or contact **employeur-ict@adem.etat.lu**

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Competence Centre

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