



**Maine's  
Community Colleges**

## WORKFORCE AND PROFESSIONAL DEVELOPMENT

# IT AUTOMATION WITH PYTHON

LEARN IN-DEMAND SKILLS LIKE PYTHON, GIT, AND IT AUTOMATION

This beginner-level, six-course certificate, developed by Google, is designed to provide IT professionals with in-demand skills -- including Python, Git, and IT automation -- that can help you advance your career.

Knowing how to write code to solve problems and automate solutions is a crucial skill for anybody in IT. Python, in particular, is now the most in-demand programming language by employers.

This program builds on your IT foundations to help you take your career to the next level. It's designed to teach you how to program with Python and how to use Python to automate common system administration tasks. You'll also learn to use Git and GitHub, troubleshoot and debug complex problems, and apply automation at scale by using configuration management and the Cloud

### Applied Learning Project

Learn how to program with Python with no previous knowledge of coding required and you'll use Python to automate common system administration tasks

Learn to use Git and GitHub, to troubleshoot and debug complex problems

Apply automation at scale by using configuration management and the Cloud

Practice your technical skills with hands-on projects including a capstone project where you'll use your new knowledge to solve a real-world IT problem

### Course Length

Less than six months, self-paced online training. Available on your schedule!  
Taught in 11 languages.



**HAROLD ALFOND CENTER  
FOR THE ADVANCEMENT OF  
MAINE'S WORKFORCE**

Short-term workforce training through Maine's community colleges

Maine's community colleges are offering Google Career Certificates to help students and workers gain fast, flexible, and affordable access to in-demand skills. No prior experience needed.

## FREE TRAINING!

### Skills You'll Gain:

Unit Testing  
Debugging  
Infrastructure as Code  
Python Programming  
Restful API  
Docker  
Git  
Technical Communication  
Cloud Computing  
Interviewing Skills

### Courses:

7 course series

### Level:

Advanced

### Rating:

4.8 out of 5 stars

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