



**babington**

# Introduction to Coding

[babington.co.uk](http://babington.co.uk) | [info@babington.co.uk](mailto:info@babington.co.uk) | 0333 323 4050

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# Develop your coding skills in a rapidly changing industry

The tech industry is growing and advancing rapidly. Both start-ups and global tech firms are thriving which has resulted in a high demand for software developers and thousands of opportunities for career changers or those starting out in their career.

Babington's Skills Bootcamp, 'Introduction to Coding' is designed to help individuals gain the basic skills required to start a career in Coding. This programme forms part of the Skills Bootcamps for Londoners, a programme supported by the Mayor of London and is helping Londoners gain the skills that employers need to progress career opportunities in priority sectors.

If you are considering a career in coding, this bootcamp builds the knowledge and understanding required across the key technical themes that are recognised by employers actively recruiting.



“I would like to express how pleased I am with Babington. I cannot fault the support and guidance I've received from my skills coach and other Babington staff. I am so glad that I chose this provider, as I am not sure I'd have been able to get through this course without them.”

## What is the Introduction to Coding Bootcamp and is it right for me?

Coding plays an integral part in the development of websites, applications, games and software that form part of everyday life. The most successful coders will also develop skills in supporting areas, extending their skillset beyond coding.

This new and exciting Skills Bootcamp, part of the Government's Lifetime Skills Guarantee and Plan for Jobs, supported by the Mayor of London, is part of a free pilot scheme that has been rolled out across the nation from 2021, which is open to anyone aged 19\* and over and resident within the Greater London Authority (GLA).

The Introduction to Coding Bootcamp is perfect for individuals who are starting out in their career, reskilling from a different sector or re-entering the job market. It is designed to set learners up in order to progress in the modern world of software engineering in the workplace with an understanding of Python, agile development methodologies, web design fundamentals and the use of collaborative technologies.

*\* Payments to those in receipt of JSA or Universal Credit will not be affected by taking the Skills Bootcamp for its full duration.*

# What will I achieve?

Babington is committed to delivering real-life skills; those needed by employers right now, and our commitment is to prepare you with the foundational skills required in coding.











Babington has connections with many employers who are looking for new talent and can provide pathways into real jobs. We advertise over 200 live roles a month and support learners with interview preparation to help you perform at your best.

The Skills Bootcamp will provide an introduction into the role of a coder in the modern workplace and develop the fundamental skills and knowledge required when considering a longer term career within the tech industry or applying for your first role within a software development team. This programme will allow you to confidently advertise your suitability for roles when you've completed the course.





# Learning Content

Within your 12-week programme you will be expected to commit the relevant time to your study as outlined adjacently.

Learners must have access to their own IT equipment and to the internet, as all sessions will take place online.

<b>Week 1</b> <b>Programme Launch</b> <ul style="list-style-type: none"> <li>• Programme introduction</li> <li>• An introduction to coding</li> <li>• Project introduction</li> </ul> <b>Duration: 1 Day</b> 	<b>Week 2</b> <b>Introduction to Python</b> <ul style="list-style-type: none"> <li>• Set up a development environment</li> <li>• Syntax</li> <li>• Comments</li> </ul> <b>Duration: 1 Day</b> 	<b>Week 3</b> <b>Variables and Functions</b> <ul style="list-style-type: none"> <li>• Variables - data types</li> <li>• Operators</li> <li>• Creating and calling functions</li> </ul> <b>Duration: 1 Day</b> 	<b>Week 4</b> <b>Structures and Loops</b> <ul style="list-style-type: none"> <li>• Variables - structures</li> <li>• Loops if, why, and, for</li> </ul> <b>Duration: 1 Day</b> 	<b>Week 5</b> <b>Objects and Classes</b> <ul style="list-style-type: none"> <li>• Creating and using</li> <li>• Iterators</li> <li>• Inheritance</li> </ul> <b>Duration: 1 Day</b> 
<b>Week 6 &amp; 7</b> <b>Agile Methodology</b> <ul style="list-style-type: none"> <li>• An introduction to agile methodology</li> <li>• Alternative methodologies</li> <li>• Planning and updates</li> <li>• Using collaborative technologies</li> </ul> <b>Duration: 1 Day</b> 	<b>Week 8</b> <b>Create a Game</b> <ul style="list-style-type: none"> <li>• Work in a development team to create a text-based adventure game</li> </ul> <b>Duration: 1 Day</b> 	<b>Week 9 &amp; 10</b> <b>Employability &amp; Web Design Fundamentals</b> <ul style="list-style-type: none"> <li>• CV, job hunting and interview techniques</li> <li>• Purpose, priority, usability and navigation</li> </ul> <b>Duration: 1 Day</b> 	<b>Week 11</b> <b>Create a Unique Website</b> <ul style="list-style-type: none"> <li>• Publish to a live server</li> </ul> <b>Duration: 1 Day</b> 	<b>Week 12</b> <b>Simulation Assessment</b> <ul style="list-style-type: none"> <li>• A safe environment to demonstrate coding capabilities</li> <li>• Feedback and review session</li> </ul> <b>Duration: 1 Day</b> 

**Key**

 **Workshop**
 **E-Learning**
 **Reflection-led learning**
 **1-2-1 Progress Reviews**



# Overview



## Start Dates

The next bootcamp start dates can be found [here](#).



## Duration

12 weeks; typically between 8-12 learning hours per week, inclusive of self study time.



## Delivery

Blended, virtual classroom.



## Progression Opportunities

A higher level apprenticeship, further learning, role progression or a new role.



## Entry Requirements

Open to all learners 19+ that are resident within the Greater London Authority (GLA), have access to online learning, and a commitment to develop your skills over 12 weeks.

Find out more about Skills Bootcamps.

Programmes are free for learners.

Explore Skills Bootcamps



Funded by  
  
Department  
for Education

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# Ready to develop your coding skills?

## CONTACT US

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