

What is the course about?

This course is an introduction to coding with Python. By the end of this course, you will learn what it takes to write simple Python programs. This taster course will look at the Python programming language and introduce students to a basic range of programming methodologies.

Why should I choose the course?

Python is an easy to learn programming language due to its simple intuitive syntax. Python is compatible with other platforms such as Java, NET or C/C++. It has a reliable, inbuilt testing framework with debugging facilities and so allows for rapid development times. It has access to many different libraries, packages, frameworks and modules ideal for multiple uses and, in addition to software development, it can support data manipulation, statistics, web development, machine learning and data science activities. It can also be used as a scripting language and for automation, reducing the need for human interaction. Due to these above features it is widely used in web development, machine learning and data science. Subsequently, Python is currently an in-demand language, with plenty of employment opportunities across many different industries. This course will be a first stepping stone to a variety of careers as a Python Developer, Web Developer, Data Analyst, Data Scientist or a Machine Learning Engineer.

What will I learn?

This taster course will introduce you to the three programming paradigms; sequence, selection and iteration. These three building blocks are fundamental to all programming languages.

You will be introduced to simple program, algorithm design, variables, strings, operators, type casting, If-else conditions, loops and basic debugging. This will be in the form of tutor lead, easy to follow examples with the opportunity to practice what you have learnt.

What will the course lead on to?

Completion of this 5-week course will allow you to progress onto Level 2 Coding or Level 2 Digital Innovation.

Are there any links with industry and university?

The college works with employers such as ABB Ltd, Draw and Code, Apple, 10:10 Games and Vizbox. The Advanced Creative & Digital Skills Centre is proud to work with a wide range of local and national employers who will deliver industry-specific skills



and knowledge during the course, offer learners the chance to take part in competitions or live briefs and often talent spot for their next employees.

What support is available?

We have a team of staff dedicated to providing learning support if required, as well as a Welfare Team that is on hand to offer guidance, support and help when needed. Additionally, eligible students can access a wide range of finance and funding support to help them during their time at college.

Click here for learning support: <https://wvr.ac.uk/college-life/>

Click here for finance support: <https://wvr.ac.uk/college-life/>

Why should I choose to study the course at Warrington & Vale Royal College?

You will be studying in the Advanced Creative & Digital Skills (ACDS) Centre which is an employer-led, dynamic and innovative area. Staff are passionate about skills development and working with employers to create new pipelines of talent. You will receive expert teaching from industry specialists, supported by employers to ensure that you are at the forefront of the digital industry. You will be exposed to a number of opportunities that will introduce you to the new skills that are desperately needed in industry.

What are the entry requirements?

This is a taster course and no prior programming knowledge is needed, however, basic computing skills will be required.

What are my funding options?

For further information about funding, please contact our Learner Services Team on 01925 494400 or learner.services@wvr.ac.uk.

Are there any additional costs associated with the course?


There are no additional costs.



**Warrington
& Vale Royal
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