Glasgow Code Learning: Developer

SCQF Level 5

Overview

This strand of Glasgow Code Learning begins to tackle the city's digital skills gap by introducing the concepts of cyber security, coding, website design, web analytics, digital marketing, Internet of Things, software design and development and app development. Glasgow Code Learning: Developer is delivered online via a supported digital learning platform with optional tutor-led drop in sessions available across the city. Codeworks: Developer SCQF level 5 completers will be invited to participate in Glasgow Code Learning: Pro at SCQF level 7.

Cyber Security

Describe the basics of Cyber security.

- Cyber security threats
- Types of attack
- Authentication
- Data and privacy protection
- Managing risks.

Coding Essentials

Create a basic computer program.

- An introduction to programming using Python
- Software Development Life-cycle
- Programming Environments
- Variables and date types
- Program control and algorithms.

Web Development

Create a basic website.

- Design and wireframes
- HTML5 & CSS3
- Transacting online.

Web Analytics

Implement basic web analytics.

- Challenges for business
- Benchmarking
- Trends and analysis
- Strategy
- Analytics tools.

Digital Marketing

Describe the basics of Digital Marketing.

- Digital promotions for business
- Search engine optimisation
- Emerging digital technologies
- Producing digital content
- Social media for digital promotions.

Internet of Things

Define the Internet of Things.

- Understanding IoT
- Elements of IoT
- IoT Components
- Security.

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