

Course Descriptions

Intro to Coding

Have you ever wondered how your computer works, or how software gets made? This is your opportunity to find out! The Intro to Coding course is targeted at beginners with no software development experience and uses the Python programming language as a vehicle to teach computer science concepts such as variables, arrays, loops, functions, and more. By the end of the course, participants will have mastered the basics of Python and will have created several simple programs, including a game.

Ethical Hacking 101

Hacking doesn't have to be criminal – many banks and highly secure organizations hire “Red Team” experts and pay them to try to break their security, so they know where they need to improve! This course is aimed at anyone with an interest in a career in cybersecurity, the Linux operating system, or Python software development as those three topics will be covered throughout the course. Participants will learn how to use the Kali distribution of Linux, its cybersecurity tools, and even how to create their own tools, such as a port scanner.

Game Dev with C# and Unity

Calling all future game developers! If you would like to learn how to work with pre-made assets in Unity and C# to develop your own game, this is the course for you. We'll learn about the Unity interface, navigate in 3D space, manipulate GameObjects and Scenes, and more, alongside learning the basics of the C# programming language, which Unity relies on. Please note that this course is recommended for those 14+ as it moves rapidly through programming basics onto more advanced topics.