Hardware 101 is a foundational class designed to complete the background and fundamental knowledge of the underlying components of all modern systems. This course is designed to detail the history of computer hardware and then build to a hands-on exploration of the physical side of modern equipment.

Students will explore the origins of the core components of computer hardware, from CPU, RAM, Drives and I/O technology. The underlying hardware relationships between key system components will be discussed and students will have the opportunity to build fully functional systems from scratch.

This course will review the most common systems security analysts must be familiar with from desktops, and workstations, servers to mobile devices, laptops, and cell phones, as well as introduce students to smart devices, IoT devices, and common network infrastructure hardware.

This course is for students who are new to the technical side of Information Technology. Students with no IT experience will find this session a complete primer on hardware, while more experienced students may find in-depth details around subjects they may only know at the cursory level. The Hardware 101 course is to ensure all students have the basic fundamental knowledge to understand how computers work, and the different components that are accessible in a system and lead them to how they can be affected or targeted by attackers or actors at the hardware level.