

Computer Engineering Technology

The world is seemingly driven today by computers. From the 'computer' on your car, to the PC at home, to the large supercomputers that help predict the weather, computers are everywhere. Tasks that were done a few years ago by hand, such as computing loan balances, to CAD and solid modeling, the computer has revolutionized the way human beings work and play.

What goes into the field of computer technology? Simply put, computer technology is a hybrid of digital and electronic design with the goal of how a computer operates 'inside the box'. An emerging field that is in constant need of trained professionals looking for jobs with high-tech skills and positive career advancement is the computer technician or technologist. Computer technologists learn how the hardware works inside the machine, looks at the new technologies that will advance computer power to even higher levels.

Computer technologists also work with the software that powers the machine. The computer technologist examines and implements new operating systems, fine tunes the software of today, and looks to make the computer more productive and how it interacts with users. Almost any company that uses computers need trained professionals to fine tune the basic operating characteristics of any computer, whether it runs Windows, Linux, UNIX, NT, or is on the cutting edge with the newer programming systems.

Many large, and some small firms, employ many people to network their computer systems together. In this way, companies find they can be more productive, and achieve greater productivity. It takes very skilled people to make the hardware and software work together so computers communicate with each other and, ultimately, with users.

The explosive growth of the computer in society has created a demand for professionals to be able to understand the complexities of the modern computer system, from working with the internal components to advanced technologies in data communications, from the organization of the computer's file systems to transmitting information over the Internet. The potential for growth in the field is unlimited and the demand for trained professionals will always exceed the supply. In short, it is a career opportunity for the next century and beyond.