

Computer Science is the theory, design, and use of computers, and ways to store and communicate digital data. Fundamentally, Computer Science is based around the study of algorithms, programming languages, mathematic computations, and computer architecture. Software Engineering is concerned with the application of engineering processes to the creation, maintenance, and design of software for a variety of different purposes. To put it in simple terms, Computer Science is about creating and using computers, and Software Engineering is about creating and using software. Information Technology is the use of computers to store, retrieve, transmit, and manipulate information, often in a place of business. IT students study network and database design in depth and receive an introduction to basic theory and applied mathematics. IT professionals basically troubleshoot programs, software, and applications. Whenever someone's computer doesn't work for whatever reason, the IT department is who would be called to fix it.

Programming Language is one of the fields of Computer Science. There are several different computer programming languages used across the world. A programming language is used to create programs that implement specific algorithms. They're basically languages you use to create instructions for a computer to complete a certain task. Programming Language is an application of Computer Science because of its use of algorithms. The study and understanding of algorithms are central to Computer Science, and programming languages are used to implement specific algorithms. Hardware is the physical field of Computer Science. Hardware concentrates on the design aspect of Computer Science, using electrical-engineering and circuit design to create computers. Software Engineering is the field that I am most interested in. Software Engineering is a broad field of Computer Science. Computer Science in Software Engineering is applied through algorithms, it uses programming languages to create algorithms which are made into complex programs. Computers, phones, and even televisions now, run on software. There are lots of different types of software, like software for applications, operating systems, device drivers, utilities, and system software, which operates computer hardware. I'm mainly interested in application software, which could range from apps on your phone to computer programs like Word and Excel, or animation and video editing software, or web browsers or even video games. I'm interested in this field because it helps me understand how the programs I use on a regular basis work. And it inspires me to create my own programs, especially when the ones I'm using don't work the way I'd like them to. Software Engineering will allow me to challenge myself with problem solving and provide a creative outlet for me to build my own programs and develop my own software.