

Software engineering, this is the designing and creation of software systems. This is the major that I decided between Information technology and Computer science. These two majors were not what I was looking to do as Information Technology is summarized as the maintenance of computers or use of the computers software systems. Computer science on the other end is summarized as the study on the use of computers like the creation of code or software OS. Through this paper I want to analyze the differences between all these fields but also go in depth on what they include and how they work together.

Computer Science is the theory of programming and is about solving problems using computers. The people in these fields are the ones writing the software to make computers do new things or work more efficiently and just like all computer majors this one requires extensive knowledge of coding and knowledge of computer systems. Jobs you could acquire with this degree include being a software application developer, computer systems analyst, software systems developer, web developer, and a few more. All these jobs include a lot programming or designing in their duties at work and they most times work alongside IT and software engineers and mechanical engineers.

Information technology is also known as IT. Most of the time when you hear IT you think school or work but that's not all they help you with. IT technicians help people maintain their network servers and help students and teachers in the classroom. These are the people who maintain servers for businesses and are also commonly known as the help support you can call when you have computer issues. This job requires you to assist other computer users with trouble shooting, maintenance, or setup. Unlike Computer science or Software engineering This major isn't as hard on how much knowledge you have. Depending on what job you want in this field you could have to know more coding than others. If you choose a job at a support help desk you might not need as extensive knowledge about coding over someone who helps a business run their server or works as IT security for a private company.

Software engineering, this is the process of designing and testing end user applications that other computer users may use. Many of the applications and platforms we use daily are made and written by software engineers. These are the workers that create the video games we play or work in companies like google that constantly test how far we can go with computing. Software engineering is the major attributed to making more complex software systems. People in this field specialize in areas of development, examples are specializations in networks, OS, databases, or applications. Each one of these areas require fluency in different languages in programming. Jobs in this field include developers of applications, software, and web pages. These are the people who choose to specialize in a certain area of development and therefore I decided to become a software engineer. To create a program that my peers and I could use.