**What's the difference between *Computer science* and *Information technology?***

**Computer Science is the study of computers. You typically learn about hardware and operating systems.**  
**Information Technology is more about the study of the use of computers to solve human/business problems. You study programming, databases, applications, etc.**  
**Here are more answers to the same question:**  
***Computer Science* is the science of computers while *Information Technology* may or may not use computers. Of course, there is a big overlap but in general computer science handles the technical working of computers whilst IT is concerned more with information manipulation and business requirements.**

**Computer science is concerned with the principles and concepts that are behind the emergence of IT. In other words, CS is academic studying of the concepts, but IT may have specific purposes to be studied.**  
**From a very broad perspective, *Computer Science* is the study of the principles of computing. It helps you better understand how computers solve problems, the kinds of problems that a computer can solve, and how one would present a problem to a computer.**

**Abstract ideas that rely on fundamental mathematical theories are at the heart of Computer Science. *Information Technology* is the study of technology that drives Information Systems for businesses.**

**Understanding how technology/tools can best meet the Information management needs of an organization is at the heart of IT. Familiarity with such tools is essential for a successful IT professional.**

**The interesting relation between the 2 fields lies in the fact that often, it is Computer Scientists that design and develop these tools that an IT professional uses. An adaptable Computer Scientist should not find it difficult to migrate to the field of IT (if he/she chooses to do so) by learning more about the technology that is predominately used at his/her organization.**

**An IT professional, on the other hand, will have to go through mathematics/CS training in order to be a good computer scientist.**

**In a nutshell, Computer Science is about understanding generic concepts, whereas IT is about knowing more facts.**

**Computer science is the study of computer's design and operation. But Information Technology is the use of the computer for a specific purpose without knowing the details of how the computer is carrying on all these tasks.**  
**First you have to understand the differences between science, engineering and technology. Science is a systematic and specialized way of thinking. A scientist thinks and makes principles and hypothesis.**

**Engineering means the practical implementation of principles and hypothesis for the welfare of human beings with the help of machines. At first he makes drawings on the basis of principles, and then take it to real world for use.**

**Technology always deals with OPTIMIZATION (MAXIMUM GAIN WITH MINIMUM EFFORTS) with the help of newer supports like computers and transfer machines. We use computers as a tool. The aim of IT is to make our information more profitable by making it recently & attractive.**

***Computer science* is - "What is a computer and how it works?" *Information technology* is - "what and how can I do with computers."**  
***Computer Science* is a part of IT. Computer Scientists are generally responsible of building the tools (Compiler, Database...) used in IT, whereas IT technicians are responsible of using these tools to make real world applications.**  
**This question is very tricky and needs to be answered very carefully. The basic difference is that information technology is about transmitting information and gathering it, whereas computer science is something related to computers and only computer, such as software. IT people can be considered more of a general management subject.**

***Computer Science* refers to the science or details of computers - which includes the design of software (such as compilers, Operating Systems), design of hardware, networking etc. *Information Technology* is the application of Computers towards organizing and efficient retrieval/reporting of information.**

# Definition of computer science in English (Oxford dictionary):

# “The study of the principles and use of computers”.

# Definition of information technology in English (Oxford dictionary):

**“The study or use of systems (especially computers and telecommunications) for storing, retrieving, and sending information - information technology consultants –**

**IT:**  **Information Technology**

**ICT: Information and Communications Technologies**