

Computer science is the scientific and practical approach to computation and its applications. It is the systematic study of the feasibility, structure, expression, and

mechanization of the methodical procedures (or algorithms) that underlie the acquisition, representation, processing, storage, communication of, and access to

information. An alternate, more succinct definition of computer science is the study of automating algorithmic processes that scale. A computer scientist specializes in the

theory of computation and the design of computational systems.[1]

Its fields can be divided into a variety of theoretical and practical disciplines. Some fields, such as computational complexity theory (which explores the fundamental

properties of computational and intractable problems), are highly abstract, while fields such as computer graphics emphasize real world visual applications. Still other

fields focus on challenges in implementing computation. For example, programming language theory considers various approaches to the description of computation,