

CS 380 : Theory of Computation

A study of computability and non-computability from a perspective that views the problems to be solved as formal languages. Study of automata-theoretic (finite state automata, pushdown automata and Turing machines) and generative (regular languages, regular, context-free and unrestricted phrase structure grammars) mechanisms along with the properties of the classes of languages they can define.

Credits 3

Prerequisites

CS 310: Algorithms

Attributes

Required for the major

Natural Sciences Division

Pre-req

Upper-Level