< Computing and How to Program > Course Description

**Course Number：** 3132112010

**Course：** Computing and How to Program

**Credit(s)：** 4 credits, 64 hours

**Course Description：** This course introduces the basic components of computer, the principles of compiler and programming language, which enables students to have a preliminary understanding of computer systems and the principle of program execution; introduces the essence of calculation and automata and recursive computation model, which trains the ability of abstraction and modeling of students; explains the top-down, stepwise refinement structured programming methods and C programming language, which trains the students of basic programming skills and good programming style; introduces the framework of knowledge system and disciplinary methodology, which guides students to understand the nature of computer science and technology, discipline system and the basic methods to master discipline.