< Data Structures > Course Description

**Course Number：** 3132100072

**Course：** Data Structures

**Credit(s)：** 2 credits, 32 hours

**Course Description：** This course is the integrated specialized basic course of computer science, and the foundation of non-numerical programming. And the course also belongs to the basic course of understanding the computer for non-computer science students. This course aims to introduce the principles of organizing and operating data by computer, and the method of evaluating the efficiency of algorithms. Moreover, the course sets the foundation of learning other specialized course of computer science and developing software. The main contents include: linear structure, tree, graph, searching algorithms, and sorting algorithms.

**Prerequisite(s)：** C Programming / C++ Programming