This course covers the organiztation of data and the algorithms that act

upon them. The topics of stacks, queues, sets, hash tables, trees, and maps

are introduced. Fundamentals of algorythm performance are also introduced

with an emphasis placed on time complexity analysis. Applications to data

structure searching and sorting, memory allocation, and file management

are inlcuded within the context of the Standard Template Library (STL). It is

assumed that the student is already familar with the C++ language and has

successfully completed at least one Algebra course.