

ICS 141: Discrete Mathematics for Computer Science I

This course covers logic, sets, functions, matrices, algorithmic concepts, mathematical reasoning, recursion, counting techniques, and probability theory.

Credits: 3

Lecture Hours: 3

Prerequisites:

Grade of “C” or better in MATH 103 or placement into MATH 135 or higher, or consent of instructor.

Program: Information and Computer Sciences

Student Learning Outcomes:

- Analyze issues and apply mathematical problem solving skills to plan courses of action in decision-making situations.
- Solve problems by using basic mathematical formal logic, proofs, recursion, analysis of algorithms, sets, combinatorics, relations, functions, matrices and probability.