

For students who wish to improve their communication skills, the following courses are recommended: IS 1811, Writing for International Students, IS 1812, Speech for International Students, or EN 2211, Elements of Writing.

ADVANCED COURSES IN COMPUTER SCIENCE

After students have established a firm foundation in computer science, they should explore advanced topics, leading toward MQP work. Students must take at least one course from each of the following areas: Systems (CS 3013, CS 4513, CS 4514, CS 4515), Theory and Languages (CS 3133, CS 4123, CS 4533), Design (CS 3041, CS 3431, CS 3733, CS 4233), and Social Implications of Computing (CS 3043, SS 2208, SS/ID 2314). Other 4000-level courses may be divided among these areas or concentrated in a particular area according to each student's program objectives. The diagram on page 112 indicates how the material presented in each course is used by sub-

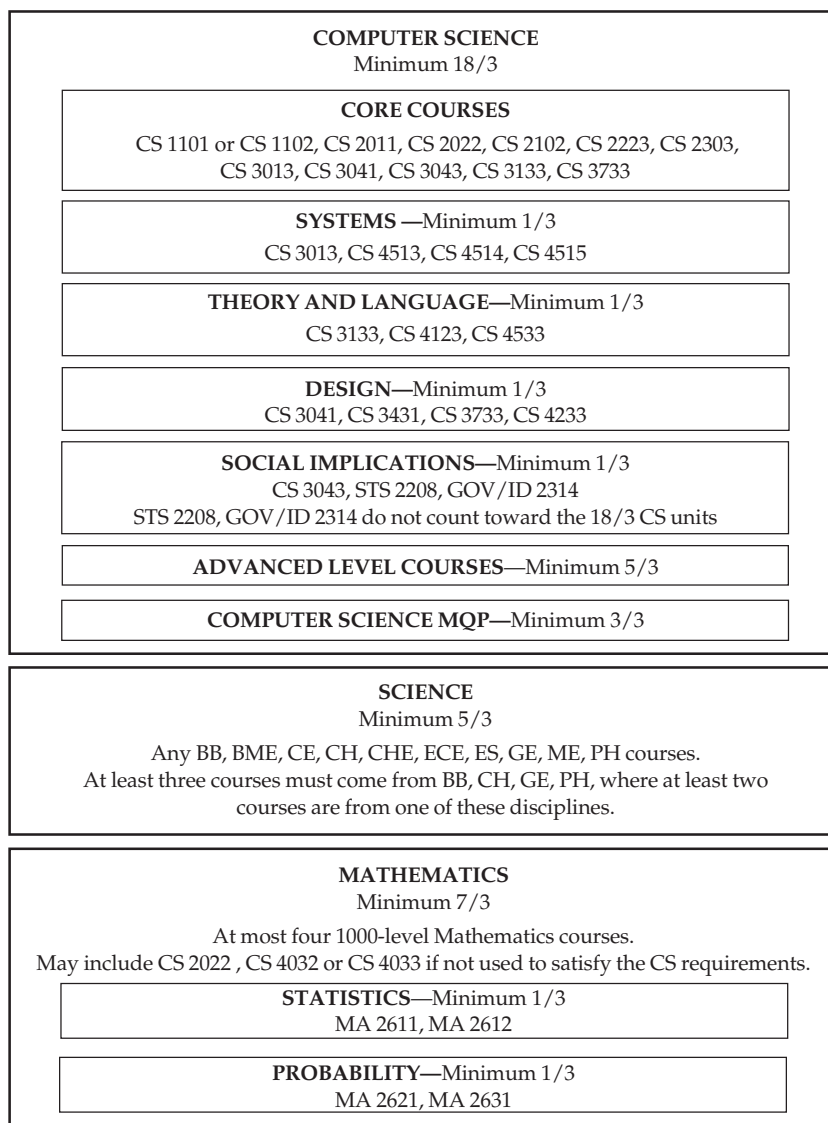
sequent courses. Some variation in course order may occur, but the student considering taking courses out of sequence is advised to check the course descriptions for recommended background.

Listed below are several areas of computer science in which the student may wish to specialize, including some courses from other departments. These areas are meant to be illustrative; one should choose the course of study that best meets one's own needs and plans.

Robotics

CS 3733	Software Engineering
CS 4341	Introduction to Artificial Intelligence
CS 4732	Computer Animation
CS 4120	Analysis of Algorithms
ES 2xxx	Introduction to Robotics
ECE 2801	Foundations of Embedded Systems
ME 4815	Industrial Robots

COMPUTER SCIENCE PROGRAM CHART



COMPUTER SCIENCE COURSE FLOW CHART

