Earl K. Long Library
Computer Science Collection Development Policy

Purpose
The collection supports present and anticipated teaching and research in the field of Computer Research and its sub disciplines. Materials are primarily purchased based on the requests of the Computer Science faculty. At present, the central focus of the department and the chief interests of the faculty are encompassed in the following areas of concentration and their sub-disciplines:

- **Foundations**
  - Computability
  - Analysis of Algorithms
  - Programming Languages and Automata
  - Combinatorics and Graph Theory
  - Formal Semantics and Types Theory
  - Logic
- **Applications**
  - Numerical Methods
  - Databases Management
  - Artificial Intelligence
  - Computational Geometry
  - Graphics and Image Processing
  - Information Retrieval
  - Cryptology
  - Scientific Computation & Simulation
- **Systems**
  - Operating Systems
  - Computer Architecture
  - Parallel and Distributed Systems
  - Networks
  - Knowledge-based Systems
  - Object-oriented Systems
- **Software**
  - Algorithm Design
  - Programming Methodologies
  - Compiler Construction
  - Software Engineering

For more information about the Department and the programs currently offered please visit the [Department of Computer Science Website](#).

Language
The primary language of acquisition is English. Materials in other languages will not be acquired.

Chronological Guidelines
Chronological Guidelines for collection development in Computer Science have relevance as follows: (a) Only items published in the current year or recent years should be acquired. By nature, the field is both one of fast development and equally fast obsolescence. (b) Some items (but relatively few) may be of interest as part of history of computers and computing.

Geographical Guidelines
Geographic Guidelines are not relevant to collection development in Computer Science.

Types of Materials
- Emphasis is on materials published within the last three years. Current materials are most important.
• Monographs, electronic databases and serial publications form the basis for acquisitions.
• Reference materials in computer research are acquired on a minimal basis, since most of the reference type material will be served through the areas of mathematics and electrical engineering.
• Thesis and dissertations are generally not appropriate and hence are collected with a highly selective basis.
• Software, while a highly integral part of the field, is acquired on a highly selective basis mainly because of the difficulties involved in cataloging, storage and security. Generally, the materials acquired come as accompanying material (CD-ROM or DVD) to a print publication.

Related Policy Statements:
• Computer Science policy is related to that of:
  • Civil Engineering
  • Electrical Engineering
  • Mathematics
  • Mechanical Engineering
  • Physics