Computer Science Collection Development Policy

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I. Academic Programs Served

A. The collection supports present and anticipated teaching and research needs of the Computer Science Department. In addition to serving its majors, the department offers a course that fulfills the university sciences requirement in the general education program and other courses which count toward the College of Liberal Arts and Sciences requirement for the Bachelor of Science degree.

B. The department offers a Bachelor of Science degree in three areas:

General computer science
Applied computer science
Theoretical computer science

The department also offers a Masters of Science degree. Current areas of faculty research include a wide range of topics within the broad area of computer science, including artificial intelligence, computer architecture, computer ethics, computer networks, computer-aided instruction, database theory, distributed systems, expert systems, logic programming, programming languages, image processing, software engineering, and neural networks.

II. Clientele

The primary users of the collection are the undergraduate and graduate students and the faculty of the Computer Science Department. However, the collection also serves those who take Computer Science courses as a requirement for another degree, e.g. Engineering, Mathematics, etc.

III. General Collection Policy Considerations

Language

English is the primary language of the Computer Science collection. Many works in this field that were originally written or presented in other languages are now available in English translations which are favored over the works in their original language.

Chronological Emphasis

Since Computer Science is a rapidly developing and constantly changing field, emphasis is on acquisition of current materials. Older publications of historical value are collected only in exceptional cases.

Formats of Materials

Emphasis is on periodicals (printed as well as electronic) and on conference proceedings in an attempt to secure the up-to-date information but monographic serials and books are also collected heavily. Textbooks are included in the collection only in exceptional cases.

Geographical Limitations

Given by the field itself, the emphasis is on American and European publications

Special Considerations

Outdated manuals and reference works are consistently weeded from the collection.

Collection Location and Other Resources

The collection is located on the fourth floor of Founders Memorial Library (Q and T call numbers). Other departments, such as Mathematical Sciences and the four departments in the College of Engineering also collect some materials on computers as they relate to their fields of study. Off-campus resources are available through traditional information delivery service as well as from the commercial vendors. Document Express guarantees delivery within three to four days.

Special Remarks

With the cooperation of the library representative of the Computer Science Department, the library has built an adequate collection of library materials in the field.

Computer Science Collecting Levels

- Subject: General Works, Textbooks, Lecture Notes
  LC Class: A 75 - 76.15, QA 76.16, QA 76.215 - 76.5
  Desired Strength: 2a

- Subject: History and Biography
  LC Class: A 76.17 - 76.2
  Desired Strength: 2a

- Subject: Digital Computers
  LC Class: A 76.5 - 76.55
  Desired Strength: 3b

- Subject: Programming Languages
  LC Class: A 76.6, QA 76.7
  Desired Strength: 3c

- Subject: Special Computers
  LC Class: A 76.8
  Desired Strength: 3c

- Subject: * Other Topics including Access Control, Computer Architecture, Automatic Theorem Proving, Databases, Computer Simulation . . .
  LC Class: A 76.9 - 76.95
  Desired Strength: 3c

- Subject: Information Science, Cybernetics, Artificial Intelligence
  LC Class: Q 300 - 380
  Desired Strength: 3c

- Subject: Machine Theory
  LC Class: A 267 - 268.5
  Desired Strength: 3c

- Subject: Computer Engineering
  LC Class: TK 7885 - 7895
  Desired Strength: 3b

*Other topics also include computer and civilization, database management, data structures, distributed processing, documentation, economic aspects, evaluation of computer performance, evaluation of data processing, expert systems, file organization, input design, interactive computer systems, management, remote job entry, software, system design, virtual computer systems, use of computers in mathematics, and systems.