

**Computer Science
Collection Development Policy**

Subject Librarian: Kirby Cheng

6/23/2021 updated

Purpose of policy: The collection development policy guides the development and management of the collection of computer Science and Informatics.

Program Description: The Computer Science and Information Informatics Department's mission is to provide its students with up-to-date knowledge in the computer science and information systems disciplines, ensure that they have clear core concepts, and equip them with problem solving and decision-making skills.

Areas of established specialization: database management systems; operating systems; software engineering; parallel and distributed computing, computer networks, wireless networking, information security, bioinformatics, computer graphics, computer vision, cognitive science, artificial intelligence, image processing, computer architecture, information security, visualization in science and medicine, algorithm analysis, embedded systems.

Changes in user population for most recent five years: Hired a new faculty with research interests on quantum computing, algorithm analysis and design.

New and expanding areas of interest: data mining, big data, mobile computing, game programming, quantum computing, network security, and online education

Recent changes (past five years) in courses taught, program focus, or faculty interest: Faculty have started to offer the courses in the following areas: data mining, big data, mobile computing, game programming, quantum computing, network security, new programming languages, etc.

Deq• Master of Science in Applied Mathematics and Computer Science

- **Bachelor of Science in Computer Science**
- **Bachelor of Science in Informatics**

Clientele: The primary clientele are the undergraduate students, faculty, and staff of the Computer Science & Informatics Department. Other IUSB faculty and student may also use the collection.

Collecting Guidelines: The Computer Science collection consists primarily of works written for the basic through advanced undergraduate level and for basic faculty research. Graduate- and research-level publications are collected selectively.

Chronological periods collected: The collection emphasizes current material, with the primary purpose of supporting coursework, student research, and basic faculty research. Older imprints are acquired selectively.

Subject Emphases: Traditionally, the collection has focused on the topics: database management systems; operating systems; software engineering; parallel and distributed computing, computer networks, wireless networking, information security

Current Collecting Priorities: Journal article databases on the above listed topics with monographs and media items as supplements.

Language: The collection is primarily in English.

Geographic coverage: Coverage is worldwide, with an emphasis on the United States.

Types of Materials Included: Scholarly serials, monographs, essays, conference proceedings, videos, and electronic resources are collected.

Types of Materials Excluded: Pamphlets, newsletters, article reprints, textbooks, are not generally collected.

Reference: Reference material are selected by the Computer Science & Informatics subject librarian following the general subject parameters of the collection policy.

Interdisciplinary Considerations: Due to the interdisciplinary nature of the Computer Science & Informatics materials in the areas of mathematics and business information management are occasionally selected.

Location: Computer Science & Informatics materials are housed in the Schurz Library. Works specifically about the discipline Computer Science are classified in the QA 76-QA76.9 schedule of Library of Congress system.

2021 Item Count

Monograph	1109
Manuscript	4
Computer file	1
Serial	633
Video/media	7
Databases: Wiley, ACM Digital, Web of Science, IEE Explore, Safari	5