

Departmental Policy Statement: Computer Science

College of Arts & Sciences

Faculty Representative: Dr Yang Xiao
Library Liaison: Kanneese Woods
Last reviewed: 1 April 2006

Curriculum

The Computer Science Division, a program classified under the Department of Mathematical Sciences, was created in 1999. Computer Science offers degrees at the undergraduate (B.S.), masters (M.S.), doctoral (PhD), and postdoctoral levels. Computer Science's graduate program offers MS and Ph.D. degrees in Computer Science, as well as MS interdisciplinary degrees in Electronic Commerce and in Bioinformatics. The primary research focus of the Division is biologically inspired and biologically based artificial intelligence.

Purpose and Scope of the Collection

The University Libraries supports the undergraduate and graduate programs of the Computer Science Division by subscribing to print and electronic journals/databases and providing access to electronic books (netLibrary and Safari Technical Books). Donations are accepted as per the provisions of the Gifts guidelines in the UML Collection Development Policy.

Cooperative Agreements

None specified.

Geographical Coverage

Not applicable.

Period Coverage/Date of Publication Range

Primary emphasis is on contemporary materials, though attention is given to historically significant works.

Languages

The primary language of the computer science collection is English. Materials in other languages are acquired selectively.

Types of Materials

Monographs:

Serials/Series:

Professional journals, indexes and abstracts.

Electronic Resources:

The University Libraries buy or subscribe to electronic indexes and full-text databases, electronic books (netLibrary and Safari Technical Books) that offer research value. CD-ROM products compatible with UML's Windows 2000 operating system will be considered for purchase.

Microforms:

Research collections in microforms are purchased when deemed relevant.

Theses/Dissertations:

Dissertations are acquired as needed or requested.

Audio/Visual:

Video and audio materials are acquired when relevant to the curriculum.

Location of Materials Collection

Computer books and computer-related materials are primarily located in McWherter Library, the main facility on campus at the University of Memphis. Computer-related materials may also be stored in the Math Library, Chemistry Library, and Earth Sciences Library.

Special Collections

None specified.

Subject Areas by LC Classification

HD8039.D37	Computer Programmers
LB1028.5	Computer-assisted Instruction
LB3060.32.C65	Computer Adaptive Testing
Q 300-385	Cybernetics
QA76.6	Computer Programming
QA76.75	Computer Software
QA76.76.C68	Computer Viruses
QA76.9.A25	Computer Security
QA76.9.A43	Computer Algorithms
QA76.9.A73	Computer Architecture
QA76.9.C62	Computer Arithmetic
T385	Computer Graphics
TA345	Computer-aided software engineering
TK7885.7	Computer Hardware Description Languages
TK7887.5	Computer Input-Output Equipment
TK5105.55	Computer Network Protocols
TK5105.5	Computer Networks

Related Areas of Collection

Mathematical Sciences	Accountancy	Physics
Instruction and Curriculum	MIS/Decision Sciences	Geological Sciences
Communications	Biology	Engineering Technology
Microbiology and MC Sciences	Electrical Engineering	Economics
Mechanical Engineering	Philosophy	Biomedical Engineering
Music	Art	Nursing