DELTA STATE UNIVERSITY

A guide to finding information in Roberts-LaForge Library

Subject Guide to Computer Science

Browsing the Computer Science Collection

The call numbers for computer science are below. In the event that you do not find what you are looking for by simply browsing, please consult the library catalog.

QA 75 – 76.95	Calculating Machines	ZA 3150 – 3149	Information Centers
ZA 3201 – 3250	Information Superhighway	QA 75.5 – 76.95	Electronic Machines. Computer Science
QA 76.75 – 76.765	Computer Software	ZA 4050 – 4480	Electronic Information Resources
QA 801 – 939	Analytic Mechanics	ZA 4150 – 4380	Computer Network Resources
ZA 3038 – 5190	Information Resources (General)	ZA 4450 – 4460	Databases
		ZA 5049 - 5190	Government Information

Selected Reference and Other Books

📕 **Encyclopedia of Computer Science and Technology** [QA76.15 .H43 2009 eb] – provides general information in the form of articles concerning topics such as programming languages, software and Web design technologies, open-source software, computer-based companies, information technologies, Web services and commerce, and social issues concerning information technology. This ebook is available through the *EBSCOhost eBook Collection* database.

📕 **Handbook of Information Technology** [T58.5 .D43 2009 eb] – An overall history of computers and their applications in almost all aspects of modern life. This ebook is also available through the ebook database.

📕 **Encyclopedia of Computers and Computer History** [QA76.15 .E53 2001 Ref, 2 volumes] – includes 600 articles covering the full history of computing from the abacus to eBay. Biographies of major figures in the history of computers, company background, and lists of computer terminology as well as profiles of pioneering computers such as the ENIAC and Commodore 64 are provided.

📕 **Utilizing Information Technology Systems Across Disciplines: Advancements in the Application of Computer Science** [T58.5 .U88 2009 eb] – provides original material concerned with all aspects of information resources management, managerial and organizational applications, as well as implications of information technology – an instrumental book in the development of the theory and practice of information resources. This ebook is also available through the ebook database.

📕 **Computer Science and Computing: A Guide to Literature** [QA76 .K56 2006 Ref] – presents entries and complete bibliographic information for print and online reference sources relating to computer science and computing. This is an excellent starting point for the computer science researcher.

📕 **The Internet: A Historical Encyclopedia** [TK5105.875 .I57 I5372 2005 Ref, 3 volumes] – contains entries ranging in length from half a page to three pages on a variety of topics including biographies of individuals important to Internet history and development (Volume I); a chronology of Internet history (Volume II); and past and present issues concerning the Internet and its uses (Volume III).

📕 **Dictionary of Computing, Sixth Edition** [QA76.15 .D526 2008 Ref] – provides brief and uncomplicated definitions for a number of computer and computer science-related terms. The entries are in alphabetical order and cross-reference readers to other entries as needed. The work also contains extremely useful appendices.

Selected Databases

- **Academic Search Premier** [EBSCOhost] ^{Off Campus Full Text} – provides information on a variety of computer science-related topics and many articles are full text.
- **Computer Science Index** [EBSCOhost] ^{Off Campus Full Text} – covering all computer science matters, this database provides indexing and abstracting for over 670 periodicals and books
- **Computer Source** [EBSCOhost] ^{Off Campus Full Text} – journal coverage for 300 full text journals and magazines covering topics such as computer science, programming, artificial intelligence, cybernetics, information systems, robotics, and software.
- **eBook Collection** [EBSCOhost] ^{Off Campus Full Text} – provides access to over 71,000 ebooks, including numerous materials relating to the field of computer science. Other books on topics ranging from Charles Babbage to nanotechnology can be found in this database as well.
- **Internet and Personal Computing Abstracts** [EBSCOhost] ^{Off Campus} – provides abstracts and indexing for literature related to personal computing products and developments in business, the Internet, the home, and all other applied areas.
- **Science.gov** ^{Off Campus Full Text} – covers computer science and other authoritative selected science information provided by U.S. government agencies, including research and development results.
- **Scirus** (1930 – present) – ^{Off Campus Full Text} – provides access to scholarly and authoritative journal/Internet literature for computer science, math, biology, chemistry, and space technology.

Selected Web Sites

- **Google Scholar** [http://scholar.google.com] – provides a simple way to broadly search for scholarly literature. From one place, you can search across many disciplines and sources: peer-reviewed papers, theses, books, abstracts and articles from academic publishers, professional societies, preprint repositories, universities and other scholarly organizations. Google Scholar helps you identify the most relevant research across the world of scholarly research.
- **World Academy of Science** [http://www.world-academy-of-science.org] – provides links to information about international conferences in the field of computer science.
- **University of Minnesota, Twin Cities – Charles Babbage Institute** [http://www.cbi.umn.edu] – research center dedicated to the preservation of the history of information processing.
- **National Center for Supercomputing Applications (NCSA)** [http://www.ncsa.uiuc.edu] – NCSA is one of the five original centers in the National Science Foundation's Supercomputer Centers Program. It allows visitors access to news, major project information, cyber-technologies, cyber-education, and science communities.
- **Open Directory Project (DMOZ)** [http://www.dmoz.org] – This Web resource is "the largest, most comprehensive human-edited directory of the Web." The directory is divided into broad subject headings, and then subdivided into smaller, more in-depth topics. Thousands of computer science sites are available and all are linked from the DMOZ directory.
- **Los Alamos National Research Library** [http://library.lanl.gov] – this site, which provides online information resources for the Los Alamos National Laboratory in New Mexico, presents a well-developed "Resources by Subject" link for computer science information. Open access information materials, such as encyclopedias and dictionaries relating to computing and computers, are provided as well as links to computing journals, organizations, and software and language sites.
- **ArXiv.org/Cornell University Library** [http://arxiv.org] – "An e-print service in the fields of physics, mathematics, non-linear science, computer science, quantitative biology, and statistics." Information is open access and contains more than 551,760 prints (arXiv.org).
- **Computer Science/Dartmouth College Library** [http://libguides.dartmouth.edu/content.php?pid=6050&sid=40251]- created as a resource guide by Dartmouth College librarians for computer science-oriented materials.

*Roberts-LaForge Library provides access to online journals through its Electronic Journals holdings. These holdings are accessible through the library's home page at http://www.deltastate.edu/pages/177.asp. Searches may be done by subject, index, or title. Some titles may overlap with the library's print subscriptions.

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