

Computer Science

Resources in the Library

This guide gives a basic introduction to Computer Science resources available at City Library.

The Library Staff is available, from 9:00 to 21:00 daily, and 10:00 – 14:00 Saturdays, to assist you in using the library site, the catalogues, the electronic information resources and to help you find useful resources, for your research.

Book Collection

The Computer Science collection is stored on the third floor. You may find books shelved in one of the below collections:

The Main Collection: contains all books available for loan. Material included in the Main Collection may be borrowed, reserved, renewed or recalled if on loan.

The Reserve Collection: includes items (such as textbooks, books, personal copies of items, journal articles and/or photocopies, disks, audiovisual materials, past exams, links to URL's for electronic resources, etc) selected by the Academic staff with the purpose to further support academic learning and improve quality of education. The Library holds both a "traditional" Reserve Collection, and an Electronic Reserve System that provides online access to material uploaded to Claroline, the CITY's E-Learning Management System. The items of the "traditional" Reserve Collection are maintained in a separate location within the Library, and access to them is more limited than is the access to items in general circulation.

The Short Loan Collection: includes items, such as recommended readings from syllabi of units, items which for a certain period of time are in-demand for class or group assignments and material to support tutorials. The Library adds items to this collection on the basis of tutorial lists received from academic staff and additionally, transfers books that are in high demand by students for assignments and projects. Access to Short Loan material is far more restricted than is the access to items in general circulation.

Finding Books

1. Visit CITY's web site at: www.city.academic.gr
2. Click on the **Library** link, and
3. Finally, use the **Library Catalogue** to search

The Library Catalogue contains information about material held by the library, such as books, periodicals, theses and audio-visual material. You can use it to search for specific titles or authors, or you may perform a specific subject search.

Book Location

Always use the Library Catalogue to find out whether a certain book you are looking for is part of the book collection and if so, where it is shelved.

The Library uses the Dewey Decimal Classification scheme to sort the book collection. The 'classification' or 'call number' of each book is very important in helping you locate the material you are looking for on the shelves.

The following classification numbers are of particular interest to students of the Computer Science Department:

Classification Numbers	Subjects
001.4 & 808.06	Research Techniques
003	Information Systems
004.21	Systems Analysis & Design
004.22	Computer Architecture
004.6	Telecommunication
004.6, 384, 621.382	Computer Networks
005.1	Software Engineering
005.12	Formal Methods
005.133	Computer Programming Languages
005.43	Operating Systems
005.7	Database Systems
005.73	Data Structures
006.3	Artificial Intelligence & Expert Systems
006.6	Computer Graphics
302.35	The Information Society
510	Discrete Maths
610.285	Medical Informatics
515	Calculus

Detailed classification guides of Computer Science subject areas may be found if you visit the Library's web pages and choose **Library & Information Services**, then **Locating material in the Library**, and finally **Classification guides**. Alternatively, printed subject guides, may be requested from the Information Services Desk.

A monthly list of **New Books** in Computer Science acquired by the Library, is located at "Library News" Web pages.

Browsing the shelves

Books on a similar topic are shelved at a similar place. Therefore, if you know the classification number of one relevant book, you will find on those shelves other relevant books, as well. Remember that certain subjects can be viewed from a variety of aspects, so you will not find all the relevant books in a single place in the Library.

e.g. "information systems" may be found both under the classification numbers 003 and 658.403 8.

Additional material

Claroline: is CITY's new e-learning management system that gradually replaced Intranet facility. The system facilitates students to have access on unit details, coursework, class notes, on-line chat, discussion boards, collaborative tools etc.

Reference Material

The Reference collection consisting of dictionaries, yearbooks, conference proceedings, and other key general reference resources, are kept on a separate section, on the third floor.

Useful dictionaries are:

- Dictionary of Computing
- Dictionary of Information Technology
- Communications Standard Dictionary

Ebook Collection

Online Books through the ACM PD Centre

The ACM Online Books Program is a virtual library of complete, unabridged books that cover everything from C++, C#, Java, ASP, SQL, PHP, Linux, .NET, Visual Basic, to Data Structures, Data Mining, Networking, Security, and Web Design. Books can be searched (*keywords, author, title, ISBN, publisher*), bookmarked, or read from cover to cover. Refer to the list of available books and choose to view full text of a book or to review its listing in [The Guide to Computing Literature](#).

IEEE Computer Society Online Bookshelf (<http://www.computer.org/bookshelf/>)

A virtual library of 100 unabridged books on a variety of technology topics, which include: Business and Culture, Certification and Compliance, Computing Networks & Protocols, Databases Enterprise, Desktop & Office Applications, Hardware, Programming Languages, Security, Software Engineering, Telecommunications, Web Programming & Development.

Finding Journal Articles

Using Printed Periodicals to find articles

There are two ways to find journal articles relevant to the subject you are searching for. The first way is to browse through the full list of printed periodicals held by the library. To find out whether the library subscribes to a particular periodical, go to the Library website, click on **Library Catalogue**, enter the title, and then choose the category "Serial (Periodical, Newspaper, etc)". The full entry for the title will tell you what the periodical's holdings are (i.e. volumes, years), and its precise location. Once you have located the periodical on the shelves, search through the Table of Contents of each issue, to find articles relevant to the subject of your interest.

Alternatively, a full list of the printed Computer Science periodicals, that the Library subscribes to, may be found at: Library & Information Services>Library Collections>Periodical Collection>Computer Science Journals, web pages.

Printed Periodicals Location

Current issues of the Computer Science Department periodicals are shelved alphabetically by title on the third floor. If you cannot find a particular volume ask for assistance at the Library Issue Desk. Previous years issues and bound periodicals are kept in a special reserved area located on the third floor.

Some periodicals related to your studies are:

- AI Magazine
- Data Communications International
- Dr Dobb's Journal
- Journal of Computing & Information Technology
- Network Magazine

Using Electronic Information Resources to find articles

The second way to locate journal articles is to search the library's Electronic Information Resources (EIR). EIR house an extensive collection of fulltext and bibliographic databases, electronic journals, digital libraries and stand-alone CD-Roms. These contain the full journal articles, many of which you can view on the web, print or download.

The Library Website, includes pages which list, electronic resources for all subject areas. For viewing these lists, go the Library homepage, choose **Library & Information Services**, and then **Electronic Information Resources**. At the **Support & Skills** library web pages, you may find relevant user guides for all electronic information resources.

The Electronic Information Resources available for Computer Science students are:

Computer Source™ - DATABASE: provides researchers with the latest information and current trends in high technology with abstracts and indexing for over 366 periodicals. This database features over 287 full text periodicals covering valuable market information in computers, telecommunications, electronics, programming, artificial intelligence, information systems, and the Internet.

Computers & Applied Sciences Complete: covers the research and development spectrum of the computing and applied sciences disciplines. CASC provides indexing and abstracts for more than 1,300 academic journals, professional publications, and other reference sources from a diverse collection. Full text is also available for more than 500 periodicals.

FirstSearch Databases: an online reference search tool, that gives access to a rich collection of more than 10 million fulltext and full-image articles. FirstSearch offers access to a variety of databases.

Wilson Select Plus: a database of OCLC (Online Computer Library Center) that includes fulltext articles in science, humanities, education and business. Students, researchers, and academic staff, may use this database to obtain information on the following subjects: accounting, advertising, arts, auditing, banking, broadcasting, computers, economics, education, engineering, environment, finance, general interest, general science, health care, human resources, insurance, international trade, international trends, investment analysis, management, marketing, planning and strategy, public administration, real estate, taxation, telecommunications, transportation.

Library Electronic Journals Catalogue (LEJC): a collection of Full Image articles, with coverage from 1994 to the most recent issues. The database includes articles from Business, Economic and Computer Science Journals.

Sample titles:

- Info: the journal of policy, regulations and strategy for telecommunications information & media
- Information Management and Computer Security
- Information Technology & People
- Internet Research
- Kybernetes
- Microelectronic International, etc.

Access to the Library Electronic Journals Catalogue (LEJC) allows users to search by author, article title, journal title, keyword/subject. Records retrieved by a search can be first viewed by abstract and then the full image of an article can be downloaded.

CITeseer (Scientific Literature Digital Library): a freely available full-text database of Computer Science articles on the web.

How to access Databases:

To access the above databases do the following:

1. Visit CITY's web site at: <http://www.city.academic.gr>
2. Click on the "Library" icon to access the Library's Webpages
3. Click on "Online Services" to link to the databases of your interest

Note: Computer Source and FirstSearch databases may be accessed outside the college network. Access is password protected and is allowed only to staff and students of the college.

The ACM Digital Library: Access to ACM's Digital Library provides:

- Bibliographic data for all ACM journals and magazines from 1985 forward plus 400 volumes of conference proceedings from 1985 to present.

- Full-text articles from 20 ACM publications, from 1991 to the most recent issues.

The IEEE Computer Society Digital Library: Subscription to the digital library provides:

- Direct access to all issues of 18 Society's Magazines & Transactions from 1995 to the present. Users may search Titles, Authors and Abstracts or download Full Text Articles from current and back issues.
- Easy access to Books produced by the Computer Society Press.

Stand-alone CD-Roms

Accompanying Cd-Roms from the following periodicals:

- Chip
- Computer for all
- Dr. Dobb's Journals
- Internet & Multimedia
- Linux Format
- Linux Magazine
- PC Magazine
- Ram

IEEE Computer Society set of Cd-Roms: proving access to the full content of all society's journals for the years 1995, 1996, 1997.

European Information Technology Observatory: Part I: *The ICT market in Europe – The technological evolution of ICT and standards.* Part II: *The ICT market in Central & Eastern Europe – The ICT market in the Mediterranean basin – The e-commerce market in Europe.* Part III: *Statistical outlook.*

European Information Technology Observatory : Part I: *Towards the Internet economy – The ICT market in Europe – The technological evolution of ICT and standards.* Part II: *The impact of e-commerce on five vertical sectors – The future of telecommunications 2000-2005 – The adoption of ICT-related products by the European consumer public.* Part III: *Statistical outlook.*

How to access standalone CD-ROMs:

The CD-ROM discs are available from the Library Issue Desk. You will need to ask staff for the discs and leave your Library card. Results from a standalone CD-ROM search can be printed out onto the attached printer or at sometimes saved to a disc.

Interlibrary Loan Services (National / International)

What is Inter-Library Loan

This service offers the possibility to students, researchers and academics, to obtain material, including: articles, extracts of books, reports, and conference proceedings, that are not available at the college library. Inter-Library Loan is available through :

- a. The National Documentation Center (NDC)
- b. The British Library

Procedure

To proceed with the request, the user must first fill in an Order Form, including all bibliographic details of the material (author, title, etc.), as well as personal details (name, address, etc.). Photocopies of the material requested will be received by mail within 2-15 days. For further details, you may contact the Information Services Desk.

Online Conference Proceedings

- The Library provides fulltext access to **ACM** conference proceedings through the association's Digital Library (network access only).
- The Library provides online access to all **IEEE** conference proceedings since 1988 (network access only).
- **PapersFirst** the OCLC index of papers presented at conferences worldwide, available online from FirstSearch databases.
- **Proceedings**, an OCLC index of worldwide conference proceedings, available online from FirstSearch databases.
- Some conferences publish their proceedings free on the Internet. Try searching a good search engine like Google (<http://www.google.com>)

Internet Sites

Below is a brief selection of Internet resources. You may use the Library's Webpages to visit a catalogue of useful Internet Resources, for a variety of subject areas.

Collection of Computer Science Bibliographies -

<http://iinwww.ira.uka.de/bibliography/>

A collection of bibliographies of scientific literature in computer science (ie.lists of relevant articles) from various sources, covering most aspects of computer science. The about 1000 bibliographies are updated monthly from their original locations.

FOLDOC - Computing Dictionary - <http://wombat.doc.ic.ac.uk/foldoc/>

A free, searchable dictionary of acronyms, jargon, programming languages, tools, architecture, operating systems, networking, theory, conventions, standards, mathematics, telecommunications, electronics, institutions, companies, projects, products, history, in fact anything to do with computing.

Associations

Association for Computing Machinery (ACM) - <http://www.acm.org>

Founded in 1947, ACM is a major force in advancing the skills of information technology professionals and students worldwide.

British Computer Society (BCS) - <http://www1.bcs.org.uk/>

The only Chartered Professional Institution for Information Technology (IT), exists to provide service and support to the IT community, including individual practitioners, employers of IT staff and the general public.

IEEE Computer Society - <http://www.computer.org>

The the world's oldest and largest professional association of people in computing.

Please note that for any help or queries you can approach the Library Support Desks during library working hours or send an e-mail (library@city.academic.gr)

