



# Collier Library - Pathfinder

The UNIVERSITY of NORTH ALABAMA LIBRARIES

## COMPUTER SCIENCE

**SCOPE** The purpose of this pathfinder is to introduce some of the resources available in Collier Library in the field of **COMPUTER SCIENCE**. This guide is not a comprehensive listing of sources, but is intended to be a starting point from which students can begin their research according to their specific needs.

The [Library of Congress Class](#) that includes **Computer Science** is QA. BROWSING the following CALL NUMBERS may produce helpful titles: (For a more complete listing see <<http://www.loc.gov/catdir/cpsol/lcco/lcco.html>>)

QA 75.5 – 76.95      Electronic Computers, Computer Science  
QA 76.75 – 76.765    Computer Software

In the event you do not find what you are looking for by browsing consult [UNACAT](#), the online catalog. The following are selected **SUBJECT HEADINGS**, which appear in [UNACAT](#).

[ARTIFICIAL INTELLIGENCE](#)

[C \(COMPUTER PROGRAM LANGUAGE\)](#)

[COMPUTER GRAPHICS](#)

[COMPUTER INDUSTRY](#)

[COMPUTER PROGRAMMING MANAGEMENT](#)

[COMPUTER PROGRAMS](#)

[COMPUTER SCIENCE](#)

[COMPUTERS](#)

[DATABASES](#)

[ELECTRONIC DATA PROCESSING](#)

[JAVA \(COMPUTER PROGRAM](#)

[LANGUAGE\)](#)

[MICROCOMPUTERS](#)

[MICROPROCESSORS](#)

[OPERATING SYSTEMS \(COMPUTER\)](#)

[SOFTWARE ENGINEERING](#)

[UNIX \(COMPUTER FILE\)](#)

Other Subject headings can be identified by using **Library of Congress Subject Headings**, located on the dictionary stand in the Reference Area.

### **BEGINNING RESEARCH – SELECTED SOURCES**

#### *Introduction and overview material*

- § [Absolute Beginner's Guide to Computers and the Internet](#) **Electronic Book** (a link is provided in [UNACAT](#) to the online full text of this work) by Michael Miller
- § [Computer Science Illuminated](#) **Electronic Book** by Nell B. Dale
- § [Computer science reflections on the field, reflections from the field](#), **Electronic Book**
- § [Networking for dummies](#), 8th edition **Electronic Book** by Lowe, Doug.
- § [Top 100 computer and technical careers your complete guidebook to major jobs in many fields at all training levels](#), 3rd edition. **Electronic Book** by Farr, J. Michael

#### *Encyclopedias and Dictionaries*

- § [Computers systems, terms, and acronyms](#), 16<sup>th</sup> ed. **Electronic Book** by Susan M. Hodges
- § [Dictionary of Computing](#), 4<sup>th</sup> ed. **Electronic Book** by S.M.H. Collin
- § [Dictionary of information technology](#), 3<sup>rd</sup> ed. **Electronic Book** by S.M.H. Collin
- § [The Hutchinson Dictionary of Computing and the Internet](#) **Electronic Book**
- § [Microsoft Internet & Networking Dictionary](#). **Electronic Book**
- § [Network Dictionary](#), **Electronic Book**

#### *Directories*

- § [Directory of Computer Science Journals](#)
- § [Google Directory – Computer Science](#)

#### *Handbooks and Manuals*

- § [Beginning Algorithms](#) **Electronic Book** by Simon Harris and James Ross by Edwin D. Reilly.

- § Mathematics for Computer Graphics [T 385 .H646 1993] by S.G. Hoggar.
- § Milestones in Computer Science and Information Technology [Ref QA 76 .R434 2003]
- § [Writing secure code for Windows Vista](#), Electronic Book by Howard, Michael

*Biographical Sources*

- § Biography Resource Center (online database) See the libraries' database page:  
<<http://www2.una.edu/library/databases.htm>>
- § [Howard Aiken portrait of a computer pioneer](#), Electronic Book by Cohen, Bernard
- § Grace Hopper: admiral of the cyber sea. [V 63 .H66 W55 2004] by Williams, Kathleen Broome
- § International Biographical Dictionary of Computer Pioneers [Ref QA 76.2 .A2 L44 1995]

**SUGGESTED DATABASES FOR LOCATING PERIODICAL ARTICLES on COMPUTER SCIENCE**

- [ABI-Inform Complete](#)
- [ACM Digital Library](#)
- [Business Source Premier](#)
- [Regional Business News](#)
- [Science Direct](#)
- [Wiley InterScience Journals](#)

A few frequently used PERIODICALS in **COMPUTER SCIENCE** are:

- |   |                               |
|---|-------------------------------|
| <a href="#">Artificial Intelligence</a> | <a href="#">Linux Journal</a> |
| <a href="#">Computer</a>                | <a href="#">MacWorld</a>      |
| <a href="#">Computers in Nursing</a>    | <a href="#">PC Magazine</a>   |
| <a href="#">Computerworld</a>           | <a href="#">PC World</a>      |
| <a href="#">Dr. Dobbs Journal</a>       |                               |

PERIODICAL titles held by the library can be identified by clicking the [PERIODICAL HOLDINGS](#) link under "Find Articles" on the library website at <http://www2.una.edu/library> or by searching in [UNACAT](#).

INTERLIBRARY LOAN It is possible to borrow books or obtain copies of articles from other libraries if the material is unavailable locally. Inquire at the Reference Desk or consult the library's web site for policy information and request forms at: <http://www2.una.edu/library/illindex.htm>.

**SUGGESTED WEBSITES (Remember to evaluate any website you use as a source for a research paper or other class assignment.)**

	<u>Website</u>	<u>URL</u>
Ars Technica		<a href="http://arstechnica.com/">http://arstechnica.com/</a>
ReadWriteWeb		<a href="http://www.readwriteweb.com/">http://www.readwriteweb.com/</a>
Techsted		<a href="http://www.techsted.com/">http://www.techsted.com/</a>
Wired News		<a href="http://www.wired.com/">http://www.wired.com/</a>

**HAVE A QUESTION? ASK A LIBRARIAN.**

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