

The following guide provides a selection of resources and suggests a number of approaches to conducting research in the fields of *Computer Science* and *Engineering*. The section "Access to Periodical Literature" is specifically useful, in that it outlines many of the industry standard databases subscribed to by the library. Note: Excluding books, all of these resources are accessible from both on and off-campus, and many include full text information.

Basic Library Research

Search for books using the library's catalog (<http://www.nyit.edu/library>).

Basic searches include author, title, subject and all fields.

Examples of subject heading searches include:

- *Electric circuit analysis*
- *Telecommunication systems*
- *Digital communications*
- *Semiconductors*
- *Electric Engineering [58]*

Access to Periodical Literature

Access databases from the library's homepage. Suggested databases include:

First Search → WilsonSelectPlus (1994-)

Coverage includes computer science and engineering. Try using the advanced search option.

Includes Full Text.

Proquest (multi-disciplinary database) (1986-)

For company information try a Proquest guided search, selecting company/org from the drop down menu after typing in the company in question's name. **Includes Full Text.**

IEEE Xplore (1950-)

Provides full text access to IEEE (Institute of Electrical and Electronics Engineers, Inc.) and IEE journals, magazines, conference proceedings and standards published since 1988. Covers electrical and computer engineering, electronics, computer science and physics. Includes more than 4,000 titles with over 520,000 full text articles, from over 12,000 publications. (Search example = cars, solar and electric). **Includes Full Text.**

ACM (1947-)

Association of Computing Machinery. **Includes Full Text.**

Engineering Village (1970-)

Includes 1000s of websites in addition to the Engineering Index, the world's most comprehensive abstracting service of periodical articles and conference proceedings in engineering and related fields. Subjects include *news, weather, business & finance, careers* and much more. (Search example = cars, solar and electric). **Index Only.**

Computer Source (1971- , most titles 1986 to present)

Provides researchers with the latest information and current trends in high technology. This database offers full text for nearly 300 publications and indexing and abstracts for over 350 publications. This is an excellent resource for both graphic design and computer science students.
Includes Full Text.

TIP: When looking for electronic journals by *title* use the Electronic Journal Locator
(library homepage → NYIT Journal Locator).

Career Exploration

Occupational Outlook Handbook

<http://www.bls.gov/oco>

Engineering Jobs

<http://www.engineeringjobs.com>

Other:

Lucent Technologies/Bell Labs

<http://lucent.com/ideas>

Online Tutorial

<http://archives.math.ukt.edu/visual.calculus>

An excellent resource for those who require a little more help with calculus or want to advance to more complicated topics.

Computer Museum

<http://www.obsoletecomputermuseum.org>

The Why Files

<http://whyfiles.news.wisc.edu>

An excellent place to learn about the science behind the news.

Go to Archives then click on

→ *Genetic Revolution*

→ *Environment*

→ *Technology*

Directories

BUBL

<http://bubl.ac.uk/link/e/engineeringlinks.htm>

Google

http://directory.google.com/Top/Science/Technology/Electrical_Engineering/

Yahoo

<http://dir.yahoo.com/Science/Engineering/>