



Serving Northern
British Columbia

Electrical & Electronics Technology

Library Subject Guide

<http://library.nlc.bc.ca>

Information literacy is a set of abilities requiring individuals to "recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information."

Association of College and Research Libraries

Ask a Librarian for assistance in finding relevant books and journal articles and/or if you need help researching a course related topic. The librarian will also provide assistance in using the Library's website, online catalogue, article databases, and the Internet. Contact the librarian directly or use the "Ask a librarian" section on the Library web pages.

Dawson Creek Library
Janet Beavers, Coordinator of Library Services
Phone: (250)-782-5251 (local 1251)
Email: jbeavers@nlc.bc.ca

Fort St. John Library
Dawna Turcotte, Librarian
Phone: (250)-785-6981 (local 2012)
Email: dturcotte@nlc.bc.ca

REFERENCE:

Consulting dictionaries, encyclopedias and handbooks can be a useful starting point for learning. Many of these sources provide basic information, overviews of topics, as well as introduce specialized terminology and detailed information. Major reference works are held mainly at the DC and FSJ libraries. Reference librarians on those campuses will research these materials for faculty and students. Simply fill out the "Ask the Librarian" form on the library webpage or contact the library directly. Some titles of interest located in the reference section are:

Dawson Creek Reference Collection

QC 5 M34 2003 McGraw-Hill dictionary of physics
QA 5 M34 2003 McGraw-Hill dictionary of mathematics
TJ 255 E42 1999 Reed's applied heat for engineers
TA 350 E42 1999 Reed's applied mechanics for engineers
Q 173 S427 1999 Scientific American science desk reference

Fort St. John Reference Collection

Q 162 H3648 Handy science answer book
TA 9 M35 2003 McGraw-Hill dictionary of engineering
QA 5 M34 2003 McGraw-Hill dictionary of mathematics
QC 5 M34 2003 McGraw-Hill dictionary of physics
Q 173 S427 1999 Scientific American science desk reference
TA 151 S82 Standard handbook for civil engineers

CLASSIFICATION SYSTEM:

General materials on Electrical & Electronics Technology are shelved in the Q and T sections. To assist you in browsing the collection, try the following areas:

QA 37-42	Technical mathematics	TK 301-399	Electric meters
QC 501-721	Electricity	TK 4001-4102	Electric power
QC 750-766	Magnetism	TK 4125- 4399	Electric lighting
T 10-11	Communication of technology	TK 452-454	Electric apparatus
TH 7700-7975	Illumination, lighting	TK 4601-4661	Electric heating
TH 9025-9745	Protection of buildings	TK 5101-6720	Telecommunications
TJ 212-225	Control engineering systems	TK 7800-8360	Electronics
TK 1001-1841	Production of electric energy, power plants	TK 7885-7895	Computer engineering
TK 1-9971	Electrical engineering	TK 8300-8360	Photo electronic devices

LIBRARY CATALOGUE AND ELECTRONIC DATABASES

To find books, journals, and audiovisual materials on your topic, search the library's online **catalogue**. If you are looking for journal articles, search the library's online **journal article indexes & electronic databases**. Use **keywords** to search the online catalogue and/or electronic databases. A keyword is a word or term that best describes the information you are looking for. You can search the library catalogue or an electronic database for either a single keyword or a combination of keywords in order to find articles in an electronic database or books in the online catalogue containing the keyword(s).

Examples of keywords:

AC motor controls	control theory	integrated circuits	semiconductors
adapters	electrical code	power devices	transformers
automatic controls	electronic circuits	resistance measurements	voltage measurements
cables	hydraulic circuits	safe work practices	wiring

PERIODICALS & NEWSPAPERS

The library currently subscribes to several periodicals and newspapers of particular interest to students. To check for campus and holdings, search the title in WebCat, the library catalogue.

You may also search the Library's Indexes and Databases for periodicals on Electrical & Electronics Technology. For example, the following periodicals are located in the **Academic Search Premier** database:

Periodical Title	Holdings
Active and passive electronic components	2002 - 2004
Electrical design News	1999 - present
Electronic Design	1997 - present
Popular Electronics	1994 - 1999
IEE proceedings. Circuits, devices, & systems	2003 - present
International Journal of electronics:	1995 - present (12 month embargo)
Journal of circuits, systems and computers	1999 - present (12 month embargo)
Poptronics	2000 - 2003
Semiconductors	1997 - present (12 month embargo)
Semiconductor International	1999 - present

DATABASES & INDEXES

access: <http://nlc.bc.ca/library/articleindexes.php>

Academic Search Premier: Provides coverage for social sciences, humanities, education, computer sciences, arts and literature, medical sciences, and ethnic studies. Citations and full text available. 1984-present. Updated monthly.

CBCA Fulltext Reference: Canadian Business and Current Affairs. Major index for Canadian newspapers, popular & business scholarly journal and popular magazines. 1982-current

Canadian MAS Fulltext: Provides coverage in all subject areas, popular focus, some Canadian converge. 1984-current

Canadian Reference Centre: Canadian and international sources of full text content.

Canadian Newsdisc: Major Canadian newspapers 1994-current, fulltext. Daily CBC news transcripts.

CPI.Q: Provides coverage on current events, health, technology, arts, history, culture and business. 415 Canadian periodicals with 165 full text. 1988 - current, updated weekly.

DOAJ - Directory of Open Access Journals: <http://www.doaj.org/>

MAS Ultra: Contains full text for nearly 550 magazines, 91,600 biographies, 75,000 primary source documents, and 250 reference books. 1984 - current.

WEBSITES

Associations

Canadian Codes Centre: http://irc.nrc-cnrc.gc.ca/codes/home_E.shtml

Canadian Council of Technicians and Technologists: <http://www.cctt.ca/>

Canadian Electricity Association: <http://www.canelect.ca>

Canadian Homebuilder's Association: <http://www.chba.ca/>

Canadian Standards Association: <http://www.csa.ca/Default.asp?language=english>

Interprovincial Standards – Red Seal Program: http://www.red-seal.ca/Site/index_e.htm

Electrical Standards: <http://www.csa.ca/standards/electrical/Default.asp?language=english>

IEEE Canada (Institute of Electrical and Electronics Engineers: <http://www.ewh.ieee.org/reg7/index.html>

Illuminating Engineering Society of North America (IESNA): <http://www.iesna.org/>

National Electrical Manufacturers Association: <http://www.nema.org/stds/mw780.cfm>

General

Digitallab: <http://digitallab.uni.cc/>

Electronics 2000: <http://www.electronics2000.co.uk/>

Electronics Tutorials: <http://www.hobbyprojects.com/tutorial.html>

The Electronics Workshop: <http://library.thinkquest.org/10784/>

Pneumatics Online: <http://www.pneumaticsonline.com/>

The Scots Guide to Electronics: http://www.st-andrews.ac.uk/~www_pa/Scots_Guide/intro/electron.htm

WebEE.com - <http://web-ee.com/>

Reference

Advanced Buildings and Technologies & Practices: <http://www.advancedbuildings.org/>

Circuits from the Circuit Archive: http://www.ee.washington.edu/circuit_archive/circuits/

Compressed Air – Glossary of terms index: <http://www.impactrm.com/glossary.asp>

Educyclopedia: <http://www.educyclopedia.be/>

Electrical Engineering Reference: <http://www.smeps.us/references.html>

Electrical References & Explanations – Boyce's electrical webpage:

◆ http://ourworld.compuserve.com/homepages/boyce_smith/referenc.htm

Electrician's Toolbox Etc.: <http://www.elec-toolbox.com/>

Electronics Dictionary: <http://www.twysted-pair.com/dictionary.htm>

Hardware Book: <http://www.hardwarebook.net/>

Lexicon of Semiconductor Terms: <http://rel.intersil.com/docs/lexicon/index.html>

Martindale's Calculators On-Line Center: <http://www.martindalecenter.com/Calculators.html>

Webopedia – for computer and Internet terms: <http://www.pcwebopedia.com/>

Safety

Canadian Centre for Occupational Health and Safety (CCOHS): <http://www.ccohs.ca/>

Workplace Hazardous Materials Information System (WHMIS):

◆ http://www.hc-sc.gc.ca/ewh-semt/occup-travail/whmis-simdut/index_e.html/index.htm

Work Safe BC - Worker's Compensation Board: <http://www.worksafebc.com/>

◆ Safety at Work: <http://www2.worksafebc.com/Portals/Construction/Home.asp?from=construction.healthandsafetycentre.org>

Worker's Compensation Board – Alberta: <http://www.wcb.ab.ca/home/>

Search Engines

A9: <http://www.a9.com>

Dogpile: <http://www.dogpile.com>

Global Spec (engineering search engine): <http://www.globalspec.com/>

Google: <http://www.google.ca>

Vivisimo: www.vivisimo.com

Yahoo: <http://www.yahoo.com>