



# Electrical Engineering Library Resource Guide

## Finding Books

You can find books in [UTMOST](#) (or the OhioLINK Central Catalog) using keywords for your topic or use the subject headings and related topics such as those listed below. More help is available from the [UTMOST Library Guide](#).

**electric engineering**  
**magnetics**

**electric power distribution**  
**electromechanical devices**

**electrification**  
**electric generators**

**electronics**  
**transducers**

## Finding Articles

[Compendex OhioLINK Research Database \(1980-\)](#) and [Compendex Historical \(1884-1979\)](#)

This database is a comprehensive interdisciplinary engineering database, the electronic equivalent of the print *Engineering Index*. Coverage is the entire spectrum of engineering, in depth, with abstracts from over 2,600 international journals, conference papers and proceedings, and technical reports. Updated monthly. For help using this index, use the library guide titled [OhioLINK Research Databases using OSearch](#).

[Applied Science and Technology Abstracts OhioLINK Research Database \(1983-\)](#)

This database indexes 411 core English-language scientific and technical publications. Topics include engineering, acoustics, chemistry, computers, metallurgy, physics, plastics, telecommunications, transportation, and waste management. Non-English-language articles are indexed if English abstracts are provided. Coverage includes trade and industrial publications, journals issued by professional and technical societies, and specialized subject periodicals, as well as special issues such as buyers' guides, directories, and conference proceedings. Updated monthly. For help using this index, use the library guide titled [OhioLINK Research Databases using OSearch](#).

[Science Citation Index Expanded OhioLINK Research Database \(1980-\)](#)

This database indexes approximately 5,900 major journals across 164 scientific disciplines. Some of the disciplines covered include: astronomy, biochemistry, biology, chemistry, materials science, mathematics, medicine, pharmacology, physics, plant sciences, and zoology. Use this database to trace research by a particular person or to discover articles that cite a particular person's work (cited author search). For help using this index, use the library guide titled [Using Citation Index databases from ISI](#).

[Inspec](#) and [Inspec Archive OhioLINK Research Database \(1898-\)](#)

This database provides access to the world's scientific and technical literature in physics, electrical engineering, electronics, communications, control engineering, computers and computing, information technology, production, and manufacturing and mechanical engineering. Inspec provides a comprehensive index to the literature in these fields; it also has significant coverage in areas such as materials science, oceanography, nuclear engineering, geophysics, biomedical engineering and biophysics. Over 3400 scientific and technical journals and some 2000 conference proceedings, as well as numerous books, reports and dissertations are reviewed each year by Inspec staff for relevant articles to abstract and index for inclusion in the database. For help using this index, use the library guide titled [OhioLINK Research Databases using OSearch](#).

## Background Information

The following are some of the subject-specific encyclopedias that can help you find basic information about an engineering topic. They are found in the Engineering Library in Palmer (PH 2600), or on the first floor Reference collection of Carlson Library.

*McGraw-Hill Encyclopedia of Science and Technology*. 1997. 10 volumes.

Palmer Q123.M15 2003

*VanNostrand's Scientific Encyclopedia*. 1995. 2 volumes.

Reference Q121.V3

*Encyclopedia of Applied Physics*. 1999.

Reference QC5.E543

## Definitions

The following are some of the subject-specific dictionaries that can help you define civil engineering terms. They are found in the Engineering Library in Palmer (PH 2600), or on the first floor Reference collection of Carlson Library.

*ASTM Dictionary of Engineering, Science, & Technology.* 2000. Palmer TA402.A86  
*Comprehensive Dictionary of Electrical Engineering.* 1999 Palmer TK9.C575

## Standard Reference Sources

*Electrical Engineering Handbook.* 2005. Palmer TK145.E36  
*Handbook of Batteries.* 2002. Palmer TK2901.H36  
*American Electricians' Handbook.* 1996. Palmer TK151.A47

## Internet Resources

### University of Toledo Site:

*College of Engineering* <http://www.eng.utoledo.edu>

### US Government Sites:

*United States Department of Energy* <http://www.doe.gov>

### Professional Societies:

*IEEE* <http://www.ieee.org/>

*Institution of Electrical Engineers* <http://www.iee.org/>

*American Society for Engineering Education* <http://www.asee.org/>

*Society of Women Engineers* <http://www.swe.org/>