

## 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](#).

**biomedical engineering**  
**biomedical materials**

**bionics**  
**polymers in medicine**

**human engineering**  
**implants, artificial**

**biocompatibility**  
**prosthesis**

## 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](#).

**MEDLINE 2000-Present** (*current*), **MEDLINE 1966-Present** (*complete*), and **MEDLINE 1950-1965** contain the National Library of Medicine's online database of references to journal articles in the health sciences. Coverage of basic research and the clinical sciences is broad, and includes medicine, nursing, dentistry, veterinary medicine, the health care system, and the preclinical sciences. Information in the database comes from 3,900 journals in 40 different languages. More than half of these journals are published in the United States, and almost 90% of the current references are to articles in English. The same data can be searched through the [PubMed](#) site. In order to customize your results to show links to UT and OhioLINK holdings, log into MyNCBI using the username and password 'utoledo'. Then, each abstract will show a link to OLinks.

## 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

*Encyclopedia of Applied Physics*. 1999. 23 volumes.

Reference QC5.E543

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

Reference Q121.V3

*Concise Encyclopedia of Composite Materials*. 1994.

Palmer TA418.9.C6 C635

## 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.

<i>ASTM Dictionary of Engineering, Science, &amp; Technology</i> . 2000.	Palmer TA402.A86
<i>Taber's cyclopedic medical dictionary</i>	<a href="#">Online</a>
<i>Dictionary of biomedical sciences</i>	Carlson R121.G623

## Standard Reference Sources

<i>Biomedical Engineering Handbook</i> . 2000. 2 vols	Palmer R856.15.B56
<i>Biomaterials</i> . 1992	Palmer R857.M3 P37
<i>Basic Concepts of Biomedical Engineering</i> . 1995	Carlson R856.F68x
<i>Standard Handbook of Biomedical Engineering</i> . 2003	Palmer R856.15.S73

## Internet Resources

### University of Toledo Site:

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

### US Government Sites:

*National Institute for Biomedical Imaging and Bioengineering* <http://www.nibib1.nih.gov/>

### Professional Societies:

*ASME: Bioengineering Division* <http://www.asce.org/>

*International Organisation for Biotechnology and Bioengineering* <http://www.iobbnet.org/drupal/>

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

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