

This guide is intended to help you get started in your search for information on Engineering at the Library of Science and Medicine (LSM). For more comprehensive information, find Research Resources, then Subject Research Guides on the Rutgers Libraries home page:

http://www.libraries.rutgers.edu/rul/rr_gateway/research_guides/research_guides.shtml.

For further information on our resources or guidance on searching a specific topic, please consult a reference librarian.

Find an article

Indexes and Databases: tell you what journal articles have been written on a subject or by a particular author and lead you to the most up-to-date research on a subject.

Electronic Databases: Click on "Find Articles" on the Rutgers University Libraries web page. Then select "Indexes and Databases"; all titles are accessible from on-campus computers. Rutgers current faculty, staff, and students can access these databases from off-campus; click on "Connect from Home" on the Libraries web page.

- Applied Science and Technology
- Engineering Index (EI Compendex)
- INSPEC
- National Technical Information Service (NTIS)

Another tool for searching the Engineering literature in **Google Scholar** (<http://scholar.google.com>). **Google Scholar** is a free database on the web and provides access to many full-text articles.

Print Indexes: at LSM are found in the Reference Section of the Library on the 1st floor, shelved with the Reference Books by Call Number:

- Applied Science and Technology Index, **LSM REF T1.A6**
- Engineering Index Annual, **LSM REF TA1.E62**

Journals

LSM carries an extensive collection of journals in Engineering. Print journals are shelved alphabetically by title on the 3rd floor of the library. Many pharmacy journals are available online and can be accessed through IRIS, our online catalog (<http://www.iris.rutgers.edu/iris.html>). If the journal title is not found in IRIS, then check the "A-Z list" under "electronic journal lists"

(http://www.libraries.rutgers.edu/rul/rr_gateway/ejournals/ejournals.shtml). Some series such as Advances in Biochemical Engineering/ Biotechnology (TP248.3.A38) are cataloged as books.

Internet Sources

The following is a very selective list of Engineering Internet sources:

- <http://www.uspto.gov/> - United States Patent and Trademark Office
- <http://www.nssn.org/> - A National Resource for Global Standards
- <http://www.ntis.gov/search/index.asp?loc=3-0-0> NTIS Electronic Catalog (Technical Reports)
- <http://dir.yahoo.com/Science/Engineering/Organizations/> Yahoo Directory Engineering Organizations

Reference Books

Reference Books are shelved on the 1st floor and have LSM REF on their Call Number. Circulating books are marked Stacks in IRIS and are shelved on the 2nd floor. The following are a few of the Engineering reference books at LSM:

Dictionaries/Encyclopedias

- Comprehensive Dictionary of Engineering and Technology, **LSM REF T10.E747**
- Encyclopedia of Materials Science and Engineering, **LSM REF TA402.E53**
- Dictionary of Engineering Acronyms & Abbreviations, **LSM REF TA11.E73**
- McGraw-Hill Dictionary of Engineering, **LSM REF TA9.M35**
- McGraw-Hill Encyclopedia of Engineering, **LSM REF TA9.M36**

Handbooks

- Metals Handbook (ASM), **LSM REF TA459.M288**
- Eshbach's Handbook of Engineering Fundamentals, **LSM REF TA151.E8**
- European Sources of Scientific and Technical Information, **LSM REF T10.65.E8E84**
- Standard Handbook of Engineering Calculations, **LSM REF TA332.S73**

Directories/Yearbooks

- ASEE Profiles of Engineering & Engineering Technology Colleges 2006, **LSM REF T72.A84**
- Peterson's Graduate Programs in Engineering & Applied Sciences 2006, **LSM REF L901.P4615**, current editions **KILMER REF L901.P4615**
- Kempe's Engineers Yearbook, **LSM REF TA151.A6E6**
- Sweet's Catalog File (Architects, engineers & contractors edition); **available online** - <http://sweets.construction.com/>
- Who's Who in Technology, **LSM REF T39.W5**

Data and Tables

- CRC Handbook of Tables for Applied Engineering Science, **LSM REF TA151.C2**
- The McGraw-Hill Handbook of Essential Engineering Information and Data, **LSM REF TA151.M34**

Test Methods/Standards

- Annual Book of ASTM Standards [2006 - present available on CD on **REF CD Workstation B** on the 1st floor at LSM, prior years available on 2nd floor in **LSM STACKS TA401.A653**]
- ASME Boiler and Pressure Vessel Code, **LSM REF TJ291.A582**