



Engineering Subject Guide

David L. Rice Library
University of Southern Indiana

These are **selected sources**. Your reference librarians can assist you in finding other related materials.

For an ADA version of this guide email libinstr@usi.edu.

Reference Books

"REF" = REFERENCE COLLECTION, 1st Floor

Mechanisms and mechanical devices sourcebook
REF TJ181 .S28 2007

Nuclear power REF TK9146 .N453 2006

Dictionary of water engineering REF GB655 .N35 2005

Dictionary of applied math for engineers and scientists
REF QA5 .D49835 2003

McGraw-Hill dictionary of scientific and technical terms
REF Q123 .M15 2003

McGraw-Hill dictionary of engineering REF TA9 .M35 2003

Materials handbook: An encyclopedia for purchasing agents, engineers, executives, and foremen
REF TA403 .B75 (2002)

The concise encyclopedia of the ethics of new technologies
REF QH332 .C66 2001

The Cambridge dictionary of space technology
REF TL788 .W54 2001

Highway capacity manual REF HE336.H48 H54 2000

The Wiley engineer's desk reference: A concise guide for the professional engineer REF TA151 .H425 1998

Engineering Handbooks

(see also electronic books, next page)

CRC materials science and engineering handbook
REF TA403.4 .C74 2001

Engineering formulas: Conversions, definitions, and tables
REF TA151 .S49 1996

- Chemical -

Perry's chemical engineers' handbook
REF TP151 .P45 2008

Kirk-Othmer concise encyclopedia of chemical technology
REF TP9 .K54 1999

Chemical properties handbook REF TP200 .Y35 1999

The history and use of our earth's chemical elements: A reference guide REF QD466 .K69 1998

CRC handbook of chemistry and physics
REF QD65 .H3

- Civil & Environmental -

Environmental engineering dictionary and directory
REF TD9 .P36 2001

Standard handbook for civil engineers REF TA151 .S8 1995

- Electrical -

Electrical engineer's reference book
REF TK145 .E36 2003

Electrical engineer's portable handbook
(available electronically through the NetLibrary database)

Standard handbook of video and television engineering
REF TK6642 .T437 2000

Handbook of electrical engineering calculations
(available electronically through NetLibrary database)

American electricians' handbook
REF TK151 .C8 1996

- Mechanical -

The CRC handbook of mechanical engineering
REF TJ151 .C73 1998

Structural engineering handbook
REF TA635 .S77 1997

The industrial electronics handbook
REF TK7881 .I52 1997

Modern dictionary of electronics REF TK7804 .G67 1997

Engineering Feats, Inventions, & Disasters

Encyclopedia of architectural and engineering feats
REF NA200 .L32 2001

The reference guide to famous engineering landmarks of the world: Bridges, tunnels, dams, roads, and other structures
REF TA15 .B42 1998

When technology fails: Significant technological disasters, accidents, and failures of the twentieth century
REF TA169.5 .W44 1994

Domestic technology: A chronology of developments
REF TX15 .D8 1988

Biography: Engineers

A biographical dictionary of people in engineering: From the earliest records until 2000 REF TA139.H275 2008

The biographical dictionary of scientists
REF TA139 .B56 1986

American chemists and chemical engineers
REF QD21 .A43

Writing and Research for Engineering Students

Scientific style and format: The CSE manual for authors, editors, and publishers REF T11 .S386 2006

Information sources in engineering REF T10.5.I49 2005

Engineering Communication Centre
<http://www.ecf.utoronto.ca/~writing/handbook.html>

Science and technology research: Writing strategies for students REF Z710 .N47 2002

The ACS style guide: A manual for authors and editors
REF QD8.5 .A25 1997

E-Books on Engineering from NetLibrary

Selected titles:

Electrical engineer's portable handbook (2004)

Great jobs for engineering majors (2008)

Maintenance engineering handbook (2008)

Mathematical and physical data, equations, and rules of thumb (2001)

Electromechanical design handbook (2000)

Handbook of electrical engineering calculations (1999)

Modular design for machine tools (2008)

Dictionary of environmental science and engineering (2008)

Corrosion engineering: Principles and practice (2008)

What every engineer should know about ethics (1999)

[Recommended Web Sites in Engineering](#)

Selected Web Site:

(UNC Charlotte) [Chemical](#); [Civil & Environmental Electrical](#); [Mechanical](#)
<http://library.uncc.edu/display/?dept=reference&format=standard&page=461>

DVDS and Videos, 1st Floor

Selected titles:

Crapshoot: The gamble with our wastes (DVD, 2003)
628.36 .C73

Toxic sludge is good for you: The public relations industry unspun (DVD, 2002) 659.2 .T6

Why the towers fell (DVD, 2002) 720.483 .W5

Tesla: Master of lightning (VHS, 2000) 621.3092 .T45

Fall of the leaning tower (VHS, 1999) 726.597 .F35

Hoover Dam [the making of a monument] (VHS, 1999)
627.82 .H665

Suggested Databases

- Compendex
- Academic Search Premier
- ProQuest Research Library

How to access USI Rice Library's databases (primarily for finding articles) and other online resources from off-campus

Go to the library's homepage at:
<http://www.usi.edu/library/index.asp>

- Select **Databases**
- Select **Databases A to Z**
- Click on name of database you want to search
- The **Database Login** page will appear
- Enter your **MyUSI username** and **password**
- Click **Login**

Have questions  **Contact us:**

- By phone: 812-464-1907; Toll-Free: 1-800-246-6173
- By email: libref@usi.edu
- Visit the Rice Library reference desk to consult with a reference librarian.

This guide is available online at:
<http://www.usi.edu/library/dbases2/ScienceEngine.asp>