



Finding Information on **Mechanical and Manufacturing Engineering Technologies**

If you need assistance at any point in your research, please contact a reference librarian at nhtireference@ccsnh.edu or by phone at 603-271-7186.

To find Books, CDs and DVDs in the library

The **Library Catalog** can be accessed via the library's homepage:

www.nhti.edu/library

> **Click on the On-Line Catalog button**

(The catalog can also be accessed directly at: www.library.ccsnh.edu)

Search tips: Search for books in the library catalog (see also General Research Guide). Start with a keyword or subject search. Select Concord as your location. When you find an interesting book, look at the subject headings in the record.

By selecting any one of those links, you can refine your search to include all books with that particular subject heading. Be sure to write down shelf location and call number to locate the book.

Library	Shelf Location	Call Number	Item Status
Concord	General Collection	TJ808 .F445 2010	Available

Examples of keywords: mechanical engineering, machine-shop practice, physical measurements, gages, machine-tools, engineering inspection

Browsing: You can also browse the shelves at the Library. The books in the Library are organized by the Library of Congress Classification system, which uses letters and numbers as a code for a subject. This code is referred to as the call number. The following LC classes will be helpful to you: **TA - General Engineering, TH - Building Construction, TJ - Mechanical Engineering, TK - Electrical Engineering and Electronics, TL - Motor Vehicles, Aeronautics, QA - Mathematics, QC - Physics, QD - Chemistry**

Select NEW BOOKS available in our collection:

Colossus by Hiltzik TC557.5.H6 H55 2010

Electric and Hybrid Cars: A History by Anderson and Anderson TL220 .A53 2010

LEED® Practices, Certification, and Accreditation Handbook by Kubba TH880 .K84 2010

Materials and the Environment: Eco-Informed Material Choice by Ashby TA403.6 .A84 2009

Mathematical Methods for Accident Reconstruction by Franck and Franck TA219 .F73 2010

The Wonderful Future That Never Was by Benford T174 .B453 2010

Select REFERENCE BOOKS available in our collection:

Engineering Formulas REF TA151 .G4713 2006

The Grey House Safety and Security Directory REF T55.A1 B4 2009

Handbook of Chemistry and Physics REF QD65 .H3 2005

Handbook of Design Components REF TA174.H25 2003

Macmillan Encyclopedia of Energy REF TJ163.28 .M33 2001

New England Technology Directory REF HD9696.A3 U5693 2011

Real-Life Math REF QA5 .R36 2006

Steel Construction Manual REF TA684 .A47 2008

Select DVDs available in our collection:

Autodesk Land Desktop R3 in a Nutshell: The Movie DVD T385 .A987 2003

Modern Marvels: Technology DVD T15 .M64 2007

Power Paths DVD TJ807.9.U6 P68 2009

Who Killed the Electric Car? DVD TL220.W46 2006

Reserved Books

Go to the circulation desk to sign out books and other materials assigned by your class instructor. These resources are for use in the library only. Reserved books are identified in the library catalog as RESERVE COLLECTION – Please see Circulation.

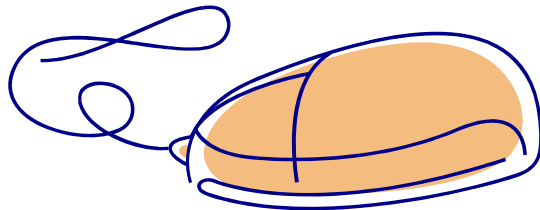
Magazines and Journals

The following print magazines and journals are available in the library but cannot be checked out. Articles may be scanned at the BookScan Station and emailed or saved to a USB drive. A coin operated photocopier is also available. A list of all the magazines is can be accessed from the library’s homepage. Select Union List of Periodicals.

- *Journal of Engineering Technology*
- *Journal of Light Construction*
- *Managing Automation*
- *Manufacturing Engineering*
- *Mechanical Engineering*
- *Popular Mechanics*
- *Popular Science*
- *Technology Review*

Electronic Resources

Off-campus access to electronic resources is restricted to members of the NHTI community. Use these instructions to access electronic resources off-campus.



Logging in to Electronic Resources Off-Campus:

Students:
 If your email address is **jdoue123@students.ccsnh.edu**
 then your username is **jdoue123**

Faculty and Staff:
 If your email address is **jdoue@ccsnh.edu**
 then your username is **jdoue**

In both cases your password is your email password.

eReference

Credo Reference is a multidisciplinary reference collection including directories, encyclopedias, fact or reference books and full-text books.

Sample titles:

- *A Biographical Dictionary of People in Engineering: From Earliest Records to 2000*, 2008
 - *Condensed Encyclopedia of Polymer Engineering Terms*, 2001
 - *Dictionary of Engineering Terms*, 2001
 - *Encyclopedia of Energy*, 2004
 - *Manufacturing Engineering Handbook*, 2004
 - *Newnes Dictionary of Electronics*, 1999
- Credo Reference includes measurement conversions for: area, distance, energy, fuel consumption, power, speed, temperature, volume, and weight.

Gale Virtual Reference is a multidisciplinary database of directories, encyclopedias, fact or reference books; full-text periodicals/journals; full text newspaper and other news sources; full-text ebooks and historical collections in digital format. (Password- conc90075)

Sample titles:

- *MacMillan Encyclopedia of Energy*, 2001
- *Chemistry: Foundation and Applications*, 2004

eBooks

eBooks on EBSCOhost® is an online collection of ebooks. Search by topic or title and view the full text of digital books. Create notes, download to portable devices, save, cite and email options available.

Sample titles:

- *Career as a Mechanical Engineer*, 2000
- *Careers in Engineering* by Garner, 2009
- *Handbook of Systems Engineering and Management* by Sage and Rouse, 1999
- *The Illustrated Dictionary of Electronics* by Gibilisco, 2001
- *McGraw-Hill Dictionary of Engineering*, 2003

EBRARY is an online e-book database listed on the Library's Database Page. The ebrary collection contains thousands of books that can be accessed off campus 24/7.

Sample titles:

- *Handbook of Mechanical Engineering Calculations* by Hicks 2006
- *Mark's Calculations For Machine Design* by Brown, 2005
- *Problems and Solutions to Mechanical Engineering* by Singh, 2007
- *Robotics Demystified* by Wise, 2004
- *Rudiments of Material Science* by Pillai, 2007
- *Science and Engineering Careers in the United States: An Analysis of Markets and Employment* by Freeman and Goroff, 2009
- *SolidWorks 2010: No Experience Required* by Ruiz, 2010

Article Databases

The NHTI Library subscribes to comprehensive article databases: **EBSCOHost**, **JSTOR** and **ProQuest**. All are accessible via the library homepage. The lists below are just a selection of the many titles available in these Databases. If you are looking for a particular title check the publications list in each database. **All databases may be searched by topic keywords.**

EBSCOHost Provides online access to articles, e-books, and reference books. Create your personal MyEBSCOhost account to save and organize your research with folders, save preferences, save and retrieve search history.

Sample titles:

- *Advanced Materials & Processes*
- *DEMM: Engineering & Manufacturing*
- *International Journal of Advanced Manufacturing Technology*
- *International Journal of Reliability, Quality & Safety Engineering*
- *International Journal of Rotating Machinery*
- *Journal of Engineering Mechanics*
- *Journal of Integrated Design & Process Science*
- *MAN: Modern Application News*
- *Manufacturers' Monthly*
- *Manufacturing*
- *Manufacturing Engineer*
- *Mechanics Based Design of Structures & Machines*
- *Mechanics of Structures & Machines*
- *Professional Engineering*
- *Quality*

JSTOR Contains more than a thousand academic journals and over 1 million images, letters, and other primary sources. Main focus is arts and humanities. Register a MyJSTOR account in order to save, email and export citations.

Sample titles:

- *Math Horizons*
- *Science News*
- *Technometrics*

PROQUEST Access journal, magazine, and newspaper articles. Also contains e-books. Primary subject focus is news, science, and business. The My Research feature lets you save documents you find useful and view details from your searches during your ProQuest session. You can then print a bibliography and email or export several documents at once.

Sample titles:

- *Acta Mechanica*
- *Artificial Intelligence for Engineering Design, Analysis, and Manufacturing*
- *Electronics Manufacturing Engineering*
- *International Journal of Mechanical Engineering Education*
- *Journal of Manufacturing Technology Management*
- *Machine Design*
- *Manufacturing & Service Operations Management*
- *Modern Machine Shop*

Internet Resources

eFunda www.efunda.com

eFunda (or Engineering Fundamentals) is an online publisher of engineering content on materials, processes, formulas, and unit conversions. The site's goal is to provide engineers with easy access to the resources needed to solve complex problems.

EurekaAlert! www.eurekaalert.org

Explore the Technology & Engineering section to view current technology related news stories.

National Academies www.nationalacademies.org

This is a portal to the websites of the National Academy of Sciences, the National Academy of Engineering, the Institute of Medicine, and the National Research Council.

Science.gov www.science.gov

Searches over 45 databases and over 2000 selected websites from 14 federal agencies, offering 200 million pages of authoritative U.S. government science information including research and development results. Through this website, you can follow the link for mathematics related sites and sources.

ThomasNet.com www.thomasnet.com

Search ThomasNet to find manufacturers, distributors and service providers. Includes Thomas Register© and Thomas Regional©.

Associations

The Society of Manufacturing Engineers www.sme.org

The world's leading professional society advancing manufacturing knowledge and influencing more than half a million manufacturing practitioners annually.

American Society of Mechanical Engineers www.asme.org

A not-for-profit membership organization that enables collaboration, knowledge sharing, career enrichment, and skills development across all engineering disciplines.

Online Career Resources

Career Library features Industry Career Guides, Career Profiles, Job Application and Interview Advice. Career Library can be accessed through the Databases page.

Learning Express Access is through the NHTI Library Databases page. Online tutorials in all NHTI skill-areas. Includes assessment, skill-building, and test preparation. Learning Express provides professional hand scoring of writing and provides targeted direction for further study. Offers test preparation for GED, AP, SAT, ACT, GRE, GMAT, MCAT, TOEFL, ASVAB, civil service, and a full range of professional licensing exams. Available 24/7 from anywhere. Free registration required for access.