

Scope Statement:

This subject guide details those resources available in the areas of general and civil engineering. Additionally, state employees can contact the State Library for more information about available services, reference help and publications at 614-644-7051 or refhelp@library.ohio.gov.

Electronic Collections:

- **OhioLINK- Electronic Journal Center (EJC):** Full text of 7000+ research journals.
- **Academic Search Complete (EBSCO):** Academic Search Complete provides access to more than 7,100 full-text periodicals, including more than 6,100 peer-reviewed journals. In addition to full text, this database offers indexing and abstracts for more than 11,200 journals and a total of more than 11,700 publications including monographs, reports, conference proceedings, etc. The database features PDF content going back as far as 1887, with the majority of full text titles in searchable PDF format.
- **Business Source Complete (EBSCO):** Business Source Complete provides full text journals in all disciplines of business, including marketing, management, MIS, POM, accounting, finance and economics. Additional full text, non-journal content includes financial data, books, monographs, major reference works, book digests, conference proceedings, case studies, investment research reports, industry reports, market research reports, country reports, company profiles, SWOT analyses and more.

eJournals/eBooks:

Title	Collection	From
Building Services Engineering Research & Technology	Business Source Complete (EBSCO)	2001
Civil Engineering	Business Source Complete (EBSCO)	1997
EE: Evaluation Engineering	Academic Search Complete (EBSCO)	2003
ENR: Engineering News Record	Business Source Complete (EBSCO)	2001
Engineering	Academic Search Complete (EBSCO)	1981
Engineering Construction and Architectural Management	EJC	1998
Engineering and Technology	Business Source Complete (EBSCO)	2006
Engineering Failure Analysis	EJC	1995
Industrial Engineer	Academic Search Complete (EBSCO)	2003
Professional Engineering	Business Source Complete (EBSCO)	1997

Federal and Commercial Websites:

- **National Science Foundation, Directorate for Engineering** (<http://www.nsf.gov/dir/index.jsp?org=ENG>): The National Science Foundation promotes the progress of engineering in the United States in order to enable the Nation's capacity to perform. Its investments in engineering research and education aim to build and strengthen a national capacity for innovation that can lead over time to the creation of new shared wealth and a better quality of life. Most NSF programs in engineering are funded through the Directorate for Engineering, which also sponsors the NSF's Small Business Innovation Research (SBIR) program.
- **EPA Green Engineering** (<http://www.epa.gov/oppt/greenengineering/>): Green Engineering is the design, commercialization and use of processes and products that are feasible and economical while reducing the generation of pollution at the source and minimizing the risk to human health and the environment.
- **IEEE Spectrum** (<http://spectrum.ieee.org/>): IEEE Spectrum magazine is the flagship publication of the IEEE, the world's largest professional technology association. It is a monthly magazine for technology innovators, business leaders, and the intellectually curious. Spectrum explores future technology trends and the impact of those trends on society and business.

- **iCivilEngineer** (<http://icivilengineer.com>): iCivilEngineer.com is a knowledge portal specially designed for civil engineering professionals and students. It has two goals in mind: 1) collect and catalog valuable civil engineering relevant Internet resources so that people can find information fast; 2) explore how to take advantage of Internet technology to serve the civil engineering community.
- **NTIS** (<http://www.ntis.gov/search>): The National Technical Information Service serves as the largest central resource for government-funded scientific, technical, engineering, and business related information available today. For more than 60 years NTIS has assured businesses, universities, and the public timely access to approximately 3 million publications covering over 350 subject areas.
- **Online Ethics Center for Engineering & Science** (<http://www.onlineethics.org>): The Center for Ethics, Engineering and Society (CEES) at the National Academy of Engineering and the Ethics Education Library (EEL) at the Center for the Study of Ethics in the Professions at the Illinois Institute of Technology are working together on this project.
- **Stanford Engineering Everywhere** (<http://see.stanford.edu/default.aspx>): Stanford Engineering Everywhere (SEE) expands the Stanford experience to students and educators online. A computer and an Internet connection are all you need. View lecture videos, access reading lists and other course handouts, take quizzes and tests, and communicate with other SEE students, all at your convenience.

New Books at the State Library:

- [Building Codes Illustrated: A Guide to Understanding the 2012 International Building Code](#) by Francis D.K. Ching and Steven R. Winkel.
- [Law for Architects: What You Need to Know](#) by Robert F. Herrmann
- [Garbology: Our Dirty Love Affair with Trash](#) by Edward Humes
- [To Forgive Design: Understanding Failure](#) by Henry Petroski

Library of Congress Classification/Dewey Classification:

- Library of Congress: TA- Engineering, Civil Engineering; ED- Environmental Technology; TH- Building Construction;
- Dewey Decimal System: 624- Civil Engineering; 628- Sanitary & Municipal Engineering; 690- Buildings

Search Terms:

- Industrial Arts
 - Construction
 - Engineering
 - Civil Engineering
 - Public Works
 - Environmental Engineering
- Technology
 - Applied Science
 - Architecture and Technology