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ELECTRONIC TECHNOLOGY LIBRARY RESEARCH GUIDE

(TEC 201, 211, 225, 311, 316, 326, 418, 428, 429,
451, 452, EG 255, 328,)

INTRODUCTION

Electronics engineering deals with wire and radio communication, the stored-program electronic computer, radar, and automatic control systems. The related curricula include electronic devices, digital electronics, and applied digital communications systems. Most print sources (such as books, periodicals) related to technology are located on 9th floor and 10th floor in Houston Cole Library. Electronic sources (such as databases) can be accessed via computer stations on each floor.

PRINT SOURCES

Books are important sources of basic information on a topic, providing necessary definitions, background information, and statistics. Books provide a foundation for research which can be supplemented by more current information from periodical articles. Books may also contain useful bibliographies which may lead to additional sources of research. When looking for books, consult the Library of Congress Subject Headings to select the proper term(s) to use as subjects under "Find Books (Library Catalog <http://library.jsu.edu/>)." The following table shows technology in the Library of Congress System:

TK452-454.4	Electric Apparatus Materials, Electric Circuits, Electric Networks	TK5101-6720	Telecommunication (including telegraphy, telephone, radio, radar, television)
TK7800-8360	Electronics	TK7885-7895	Computer Engineering, Computer Hardware
T57-57.97	Applied Mathematics, Quantitative Methods	T329-348	Engineering mathematics, Engineering Analysis
TK1-9971	Electrical Engineering, Electronics, Nuclear Engineering		

Other subject headings can be: Electronics, Electronics Equipment and supplies, Electronic History and etc. JSU students can also use ALLIES (Alabama Libraries Exchange Services, <http://library.jsu.edu/cgi-bin/Pwebrecon.cgi?PAGE=dbPage>) to borrow circulating books from UAB Sterne Library, University of Alabama, Auburn University, Auburn University at Montgomery, either on-site with the student ID or by requesting the items through the library catalog.

ELECTRONIC RESOURCES

Current print issues of periodicals to which the Library subscribes can be found at the Current Periodical Section on 9th & 10th floor. Older print issues of magazines and journals, usually bound into complete years or volume numbers, are located in the 9th & 10th floor Bound Periodical Section. You can also use Library subscribed electronic databases (<http://www.jsu.edu/library/resources/>) to identify articles on particular topics in magazines, journals, and newspapers. The following table lists commonly used databases for technology:

Database Title	Description	Full Text?
ACM Digital Library	Journal articles from ACM journals, magazines, and conference proceedings.	Yes
Academic Search Elite	Journal articles in all subject areas.	Yes
Applied Science Full Text	Journal articles in the applied sciences and technology.	Yes
Cambridge Scientific Abstract		No
Elsevier ScienceDirect	Journal articles in a variety of subject areas, but the strengths of the database currently lie in: life sciences, engineering, earth sciences, pharmacology, and textiles.	Yes
Emerald Fulltext	Journal articles related to management issues in a variety of subject areas.	Yes
Expanded Academic ASAP	Scholarly journals, news magazines, and newspapers	Yes
NTIS's DARTS	Governmental technical reports in all subject areas.	Yes
Vocational Search	Journal articles in vocational and general subjects.	Yes
Wiley InterScience Journal	Journal articles in Engineering and Materials Science	Yes

A selected list of journal titles is as following (A detailed list is available upon request):

- *Computer* (Call Number: TK7885.A1I5)
- *Computers and Electronics* (Electronic Version)
- *Electronic Engineering* (Electronic Version)
- *Electronic Engineering Times* (Electronic Version)
- *Microelectronic Engineering* (Electronic Version)
- *Electronics Systems & Software* (Electronic Version)
- *Electronics Weekly* (Electronic Version)
- *Microelectronics Journal* (Electronic Version)
- *Popular Electronics* (Electronic Version)

OTHER RELATED SOURCES

WWW Virtual Library---Electrical and Electronics Engineering

(<http://webdiee.cem.itesm.mx/wwwvlee/>): Includes links to academic and research institutions, information resources, journals, products and services, and standards.

American Electronics Association (<http://www.aeanet.org>): Official site with links to industry data & publications, and other related sources.

Electronics Manufacturing Guide (<http://www.circuitworld.com>): Link to manufactures, industry suppliers, online news and magazines from CircuitWorld's comprehensive site.

Twisted Pair (<http://www.twysted-pair.com>): The purpose of this site is to help individuals understand the world of electronic.