

Resources in Electrical and Computer Engineering

The library can help with research questions, class projects, and finding books and articles

Contact us for help getting started or if you have questions!

For more resources, see the Electrical Engineering subject guide:

<http://www.lib.ucdavis.edu/dept/pse/resources/subjects/engr-electrical.php>

Finding books and journals

- Check the Harvest Library Catalog to find books and journals at UC Davis:
<http://harvest.lib.ucdavis.edu>
- Check Melvyl, the UC-wide Library Catalog, to find books and journals in other UC Libraries:
<http://melvyl.cdlib.org>
- Students, Faculty and Staff can request books and journal articles that UC Davis doesn't own:
<http://www.lib.ucdavis.edu/dept/pse/services/ill-request.php>

Where are the books?


- **Computer Engineering and Electrical Engineering** books are in the Physical Sciences and Engineering Library, on the 3rd floor in the **TK** section. Check here for books about electrical engineering, Internet and networking technologies and computer hardware.
- **Computer Science** and **Mathematics** books are on the 3rd floor of Shields Library, in the **QA76** section. Check here for books about software or programming languages, mathematics and statistics, and current print CS journals.
- **Course reserves** are located in Shields library, on the 1st floor (near the back).

We also have many **online books**, including:

- The **Safari digital library** includes all recent O'Reilly books: <http://proquest.safaribooksonline.com/>
- The **Synthesis Digital Library** includes short lectures in hot topics in CS and ECE.
<http://www.morganclaypool.com/page/synthesis.jsp>
- **Electrical Engineering NetBase** – books from CRC Press <http://www.electricalengineeringnetbase.com>

Finding articles

Use an article database to find citations for articles and conference proceedings, and full text of many articles.

Look for the UC-eLinks button:  to access full-text articles.

Some good databases include:

- **Compendex** -- Compendex is the largest database of engineering research literature, containing references from over 5000 engineering journals and conferences.
- **IEEE Xplore** – Online access to IEEE transactions, journals, conference proceedings, and standards and IEE/IET journals and conferences.
- **INSPEC** -- Citations from journals, conference proceedings, books, reports, and dissertations in physics, electrical engineering and electronics, computers and control, and information technology.
- **Association for Computing Machinery (ACM) Digital Library** – All recent ACM articles and conference proceedings are online. Also includes the **Guide to Computing Literature**, a general citation database and a good place to start doing research in computer science.
- **Electrochemical Society Digital Library** – Searchable online access to the various journals, books, and other collections published by The Electrochemical Society.

These and many more databases are available from the Electrical Engineering subject guide or from:
<http://www.lib.ucdavis.edu/dept/pse/resources/databases.php>

To connect from off-campus to UC licensed resources (most databases and journals) click the  button or go to <http://www.lib.ucdavis.edu/ul/services/connect/>

Endnote is available for free download: <http://www.lib.ucdavis.edu/dept/instruc/research/endnote/>

For **more resources** for faculty and grad students, visit: <http://www.lib.ucdavis.edu/ul/help/faculty-grad.php>

Tutorials on doing library research are available: <http://www.lib.ucdavis.edu/dept/instruc/research/>

Contact me if you have questions, need help with your research or to make a suggestion:

Phoebe Ayers, ECE and CS Librarian, Physical Sciences and Engineering Library

psayers@ucdavis.edu, 530-752-9948, gmail: phoebe.ayers, aim/yahoo: phoebeayers

Physical Sciences & Engineering Library

<http://www.lib.ucdavis.edu/dept/pse/>

UCDAVIS

PSE Library Hours

Mon - Thur	8 am – 10 pm
Friday	8 am – 6 pm
Saturday	Noon – 6 pm
Sunday	Noon – 10 pm

PSE Reference Desk Hours

Mon - Thur	9 am – 6 pm
Friday	9 am – 5 pm

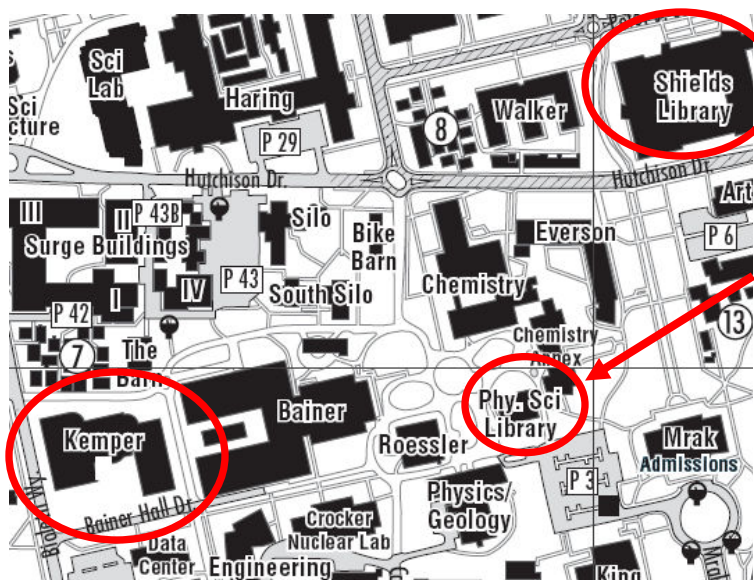
Hours change during finals, holidays, intersession and summer.

PSE Subject Areas

Applied Science
 Astronomy/Astrophysics
 Atmospheric Sciences
 Chemistry
 Computer Science
 Engineering
 Aeronautical Engineering
 Automotive Engineering
 Biological & Agricultural Engineering
 Biomedical Engineering
 Chemical Engineering
 Civil Engineering
 Electrical and Computer Engineering
 Environmental Engineering
 Materials Science
 Mechanical Engineering
 Geology
 Mathematics/Statistics
 Physics
 Transportation

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Contacting PSE

Circulation	752-0540	psecirc@ucdavis.edu
Reference	752-0459	pse@ucdavis.edu

Ask at the Reference Desk if you need information and aren't sure where to start.

Library services include:

- putting books on reserve for faculty and TAs
- helping with copyright questions
- customized library instruction and handouts for your class or lab group
- individual help with research projects

UC Davis General Library website: <http://www.lib.ucdavis.edu> – look here for resources in all subjects