

PLAYLIST

Open Textbooks for Engineering

Creator: [Open.Michigan, University of Michigan](#) (Updated 29 Mar 2013)

Description:

Open Educational Resources are learning materials that are free, public, and shared under licenses that allow people to copy, translate, adapt, and share with others.

Other places to consult for textbooks and other learning materials for engineering:

-<http://www.oercommons.org/browse/keyword/engineering>

-<http://en.wikibooks.org/wiki/Subject:Engineering>

-<http://cnx.org/content/search?words=engineering>

-<http://www.opentextbook.org/category/engineering/>

-<http://www.collegeopentextbooks.org/>

-<http://www.studentpirgs.org/open-textbooks/catalog/>

-<http://www.saylor.org/majors/mechanical-engineering>

-<http://www.teachengineering.org/>

(custom license for noncommercial use)

-<http://openlearn.open.ac.uk/course/category.php?id=13>

(CC BY NC SA)

-<http://ocw.tudelft.nl/courses/offshore-engineering/>

(CC BY NC SA)

-<http://unow.nottingham.ac.uk/resources.aspx?kw=engineering>

(CC BY NC SA)

-<http://ocw.njit.edu/nce/index.php>

(CC BY NC SA)

-<http://see.stanford.edu/see/courses.aspx>

(CC BY)

Tags: [textbooks](#), [Engineering](#)

- 1. Basics of Fluid Mechanics** [<http://www.potto.org/FM/fluidMechanics.pdf>]
Notes: Textbooks from www.potto.org
Description: License: GNU Free Documentation License <http://www.gnu.org/copyleft/fdl.html>
- 2. Bar-Meir, Genick, Fundamentals of Compressible Fluid Mechanics**
[<http://www.potto.org/gasDynamics/gasDynamics.php>]
Notes: Textbooks from www.potto.org
Description: License: GNU Free Documentation License <http://www.gnu.org/copyleft/fdl.html>
- 3. Johnson, Don, Fundamentals of Electrical Engineering I** [<http://cnx.org/content/col10040/latest/>]
Notes: Textbooks from www.cnx.org
Description: License: Creative Commons Attribution 3.0 License <http://creativecommons.org/licenses/by/3.0/>
- 4. Bass, Jeremy, Array Signal Processing** [http://cnx.org/content/col10255/1.4/content_info]
Notes: Textbooks from www.cnx.org
Description: License: Creative Commons Attribution 3.0 License <http://creativecommons.org/licenses/by/3.0/>
- 5. Calic, Janko, Communication Systems** [http://cnx.org/content/col10631/1.3/content_info]
Notes: Textbooks from www.cnx.org
Description: License: Creative Commons Attribution 3.0 License <http://creativecommons.org/licenses/by/3.0/>

6. Doering, Ed, **Communication Systems Projects with LabVIEW** [http://cnx.org/content/col10608/1.2/content_info]
Notes: Textbooks from www.cnx.org
Description: License: Creative Commons Attribution 3.0 License <http://creativecommons.org/licenses/by/3.0/>
7. Aazhang, Behnaam, **Digital Communication Systems** [http://cnx.org/content/col10134/1.2/content_info]
Notes: Textbooks from www.cnx.org
Description: License: Creative Commons Attribution 3.0 License <http://creativecommons.org/licenses/by/3.0/>
8. Beyenir, Serhat, **Engineering Computation for Power Engineers** [<http://cnx.org/content/col11234/latest/>]
Notes: Textbooks from www.cnx.org
Description: License: Creative Commons Attribution 3.0 License <http://creativecommons.org/licenses/by/3.0/>
9. Scharf, Louis, **First Course in Electrical and Computer Engineering** [<http://cnx.org/content/col10685/1.2/>]
Notes: Textbooks from www.cnx.org
Description: License: Creative Commons Attribution 3.0 License <http://creativecommons.org/licenses/by/3.0/>
10. Do, Minh, **Fundamentals of Signal Processing** [Online: <http://cnx.org/content/col10360/1.3/> PDF: <http://dspss.vef.gov/06/docs/MinhDo/col10360.pdf>]
Notes: Textbooks from www.cnx.org
Description: License: Creative Commons Attribution 3.0 License <http://creativecommons.org/licenses/by/3.0/>
11. Hien, Dinh Sy, **Electronic Circuit Analysis** [<http://cnx.org/content/col10802/latest/>]
Notes: Textbooks from www.cnx.org
Description: License: Creative Commons Attribution 3.0 License <http://creativecommons.org/licenses/by/3.0/>
12. Rasolondramanitra, Henri, **Electricity and Magnetism** [<http://oer.avu.org/handle/123456789/150>]
Notes: Textbooks from oer.avu.org
Description: License: Creative Commons Attribution Share Alike 3.0 License <http://creativecommons.org/licenses/by-sa/3.0/>
13. Ramilison, Herimanda, **Geometrical Optics and Physical Optics** [<http://oer.avu.org/handle/123456789/58>]
Notes: Textbooks from oer.avu.org
Description: License: Creative Commons Attribution Share Alike 3.0 License <http://creativecommons.org/licenses/by-sa/3.0/>
14. Cherinda, Marcos, **Geometry** [<http://oer.avu.org/handle/123456789/54>]
Notes: Textbooks from oer.avu.org
Description: License: Creative Commons Attribution Share Alike 3.0 License <http://creativecommons.org/licenses/by-sa/3.0/>
15. Ratiarison, Adolphe, **Mechanics I** [<http://oer.avu.org/handle/123456789/151>]
Notes: Textbooks from oer.avu.org
Description: License: Creative Commons Attribution Share Alike 3.0 License <http://creativecommons.org/licenses/by-sa/3.0/>
16. Tesfaye, Tilahun, **Mechanics II** [<http://oer.avu.org/handle/123456789/57>]
Notes: Textbooks from oer.avu.org
Description: License: Creative Commons Attribution Share Alike 3.0 License <http://creativecommons.org/licenses/by-sa/3.0/>
17. Rasoanaivo, Rene, **Quantum Mechanics** [<http://oer.avu.org/handle/123456789/59>]
Notes: Textbooks from oer.avu.org
Description: License: Creative Commons Attribution Share Alike 3.0 License <http://creativecommons.org/licenses/by-sa/3.0/>
18. Wilson, Bill, **Introduction to Physical Electronics** [Online: <http://cnx.org/content/col10114/1.4/> PDF: <http://florida.theorange grove.org/og/file/61c67a61-35f0-83cc-dfd3-1a7ab8713c74/1/IntroPhysElectr.pdf>]
Notes: textbooks from florida.theorange grove.org
19. Raymond, David, **A Radically Modern Approach to Modern Physics v.1-2** [<http://florida.theorange grove.org/og/file/68e10bba-1ba4-7ba0-dc7b-4bfa59bd8ea8/1/RadModernApproachIntPhysics1.pdf> <http://florida.theorange grove.org/og/file/91615c2e-fd3e-f43f-290f-fa8fe3b22b11/1/RadModApproachIntPhysics2.pdf>]
Notes: textbooks from florida.theorange grove.org
20. Feher, James, **Introduction to Digital Logic** [<http://florida.theorange grove.org/og/file/440622d3-133c-4afc-910f-fa5539fecb5a/1/DigitalLogic.pdf>]
Notes: textbooks from florida.theorange grove.org
Description: License: Creative Commons Attribution 3.0 License <http://creativecommons.org/licenses/by/3.0/>

- 21. Six Lessons in Electric Circuits: Volume I - DC, Volume II - AC, Volume III - Semiconductors, Volume IV - Digital, Volume V - Reference, Volume VI - Experiments** [<http://openbookproject.net/electricCircuits/>, <http://www.allaboutcircuits.com>]
Notes: Textbooks from openbookproject.net
Description: License: These books and all related files are published under the terms and conditions of the Design Science License. These terms and conditions allow for free copying, distribution, and/or modification by the general public.
- 22. Wikibooks, Signal and Systems** [http://en.wikibooks.org/wiki/Signals_and_Systems]
Notes: Textbooks from college opentextbooks.org
Description: License: Creative Commons Attribution Share Alike 3.0 License
<http://creativecommons.org/licenses/by-sa/3.0/>
- 23. Massachusetts Institute of Technology, Discrete Time Signals and Systems** [<http://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-003-signals-and-systems-spring-2010/readings/>]
Notes: Textbooks from college opentextbooks.org
Description: License: Creative Commons Attribution- Noncommercial Share Alike 3.0 License
<http://creativecommons.org/licenses/by-nc-sa/3.0/>
- 24. Carnegie Mellon University, Engineering Statics**
[<http://oli.web.cmu.edu/openlearning/forstudents/freecourses/engineering-statics>]
Notes: Textbooks from college opentextbooks.org
Description: License: Creative Commons Attribution- Noncommercial Share Alike 3.0 License
<http://creativecommons.org/licenses/by-nc-sa/3.0/>
- 25. Socratic Electronics A Resource for Inquiry-Based Electronics Instruction** [Browse resources: <http://www.ibiblio.org/kuphaldt/socratic/index.html> Download Link: http://www.ibiblio.org/kuphaldt/socratic/work_pdf.tar.gz]
Notes: Textbooks from college opentextbooks.org
Description: License: Creative Commons Attribution 3.0 License
<http://creativecommons.org/licenses/by/3.0/>

This work is licensed under a [Creative Commons License](#)

