

Recommended Books

Introductory Books:

Understanding Basic Electronics

Written by the American Radio Relay League, Inc.

320 pages, first edition. 1992-2006

ISBN 0-87259-398-3

\$29.95 at www.arrl.org/catalog/?item=3983

Probably the best book at covering the theory well; more aimed at analog electronics than other topics.

Teach Yourself Electricity and Electronics, Fourth Edition

Stan Gibilisco

Paperback: 698 pages

Publisher: McGraw-Hill/TAB Electronics; 4 edition (March 15, 2006)

ISBN: 0071459332

This book does a nice job of relating basic electronics to systems you will see in everyday life – TV, radio, audio, cell phones, etc. It is a little too broad for this course.

Electronics For Dummies

by [Gordon McComb](#) (Author), [Earl Boysen](#) (Author)

Paperback: 432 pages

Publisher: For Dummies (February 4, 2005)

ISBN: 0764576607

Most project oriented. Check out Earl Boysen's web site at <http://www.buildinggadgets.com/> if you are interested in project ideas.

Electronics The Easy Way

Rex Miller and Mark Miller

Paperback: 471 pages

Publisher: Barrons, 2002

Covers all of the dummies material in a little more serious way. Includes a lot of interesting material on how many electronic systems work, such as satellite communication and bubblejet printers.

Practical Electronics: A Self Teaching Guide

by Ralph Morrison

Paperback: 277 pages

Publisher: John Wiley and Sons, 2004

ISBN: ?

Good introduction, book is short and to-the-point, and covers material quickly. Nice feature is a large number of “learning circuits” which can be built quickly and tie into the text.

Intermediate Level Book

The Forrest Mims Engineers Notebook

Forrest M. Mims III

Technology publishing, Eagle Rock, VA 1992

Paperback, 155 pages

A hard book to find. Has a large number of circuit diagrams; some just stand alone and others have explanations attached. You can use this as a cookbook to find out how to do different tasks, and also as a series of examples showing good practices. I would also recommend any of the other Forrest Mims books.

Advanced Books

The 2006 ARRL Handbook for Radio Communications

Written by the American Radio Relay League, Inc.

Paperback: Telephone-book sized + CD

ISBN 0-87259-948-5 softcover; 0-87259-949-3 hardcover

Comprehensive reference for electronics. Includes an electronic copy of the book on CD, and software for radio design and testing.

Practical Electronics Handbook

Ian Sinclair, John Dunton

Paperback: 570 pages

Sixth Edition, 2006

ISBN 0-75-068071-7

Newnes Publishing

A great reference book for electronics design and advanced troubleshooting. Includes information on printed circuit layout and embedded programming.