

COMPUTER ENGINEERING - SUGGESTED TEXT LISTING

98-Comp-A1 - Electronics

Sedra and Smith, Microelectronic Circuits, 4th Ed., Holt Rinehart and Winston.
Chapters: 1 through 5, 12, 13, and 14 plus sections 10.9 through 10.11

98-Comp-A2 - Digital Systems Design

M.M. Mano & C. Kime, Logic and Computer Design Fundamentals, Prentice Hall, 2000.
ISBN 0-13-055531-2

B.B. Brey, The Intel Microprocessors, 5th Edition, Prentice Hall, 2000. ISBN 0-13-995408-2

J.L. Antonakos, The 68000 Microprocessor, 4th Edition, Prentice Hall, 1999. ISBN 0-13-668120-4

98-Comp-A3 - Computer Architecture

J.P. Hayes, Computer Architecture and Organization, 3rd Edition, McGraw-Hill, 1998.
ISBN 0-07-027355-3

98-Comp-A4 - Program Design and Data Structures

Kelly, Al and Ira Pohl, A Book on C: Programming in C, 4th Ed., Addison-Wesley, 1998.
ISBN 0-201-18399-4

98-Comp-A5 - Operating Systems

Siberschutz and Glavin, Operating System Concepts, 5th Edition, John Wiley and Sons, 1998.
ISBN 0-471-364142

98-Comp-A6 - Software Engineering

J. Sommerville, Software Engineering, 4th Edition, Addison Wesley, 1992.

98-Comp-B1 - Advanced Computer Architecture

98-Comp-B2 - Principles of VLSI

Weste & Harris, CMOS VLSI Design, 3rd Edition, Addison Wesley, 2005 (ISBN 0-32-114901-7)

Smith, Application-Specific Integrated Circuits, Addison Wesley, 1997 (ISBN 0-20-150022-1)

98-Comp-B3 - Data Bases and File Systems

James Martin, Computer Data-Base Organization, Prentice-Hall. (ISBN 0-13-165423-3)

98-Comp-B4 - Computer Graphics

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98-Comp-B5 - Computer Communications

William Stallings, Data and Computer Communications, 5th Edition, Prentice Hall.

98-Comp-B6 - Computer Control and Robotics

98-Comp-B7 - Digital Signal Processing

98-Comp-B8 - Computer Integrated Manufacturing

98-Comp-B9 - Artificial Intelligence and Expert Systems

98-Comp-B10 - Distributed Systems

Coulouris, Dollimore, and Kindberg, Distributed Systems Concepts & Design, 3rd edition, Addison-Wesley ISBN 0201-61918-0.

98-Comp-B11 - Advanced Software Design

Larman, Craig Applying UML and Patterns - An Introduction to Object-Oriented Analysis and Design and Iterative Development, 3rd edition, Prentice Hall, ISBN: 0-13-148906-2

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