NOTE: Please feel free to use the most recent edition of textbooks referenced in this list
NOTA: Utilisez l’édition la plus récente des manuels cités dans cette liste.

17-Comp-A1  Electronics
Sedra & Smith, Microelectronic Circuits, seventh edition

17-Comp-A2  Digital Systems Design
Roth, Fundamentals of Logic Design, 7th edition
Thorne, Computer Organization and Assembler Language Programming for the IBM PC and
Compatibles, Addison-Wesley.

17-Comp-A3  Computer Architecture
Hennessy & Patterson, Computer Architecture: A Quantitative Approach, 2nd Edition

17-Comp-A4  Program Design and Data Structures
Carrano and Henry, Data Abstraction and Problem Solving with C++, seventh edition
Deitel & Deitel, C++: How to Program, tenth edition
Weiss, Data Structures and Algorithm Analysis in C++, fourth ed.
Addison-Wesley Hanley, Essential C++ for Engineers and Scientists
Wiley Wunder & Roberts, Developing Java Software

17-Comp-A5  Operating Systems
Suberschatz & Galvin, Operating System Concepts, 9th Edition
Addison-Wesley Tanenbaum, Modern Operating Systems
Stallings, Operating Systems Internals and Design Principles, 8th ed.

17-Comp-A6  Software Engineering
Sommerville, Software Engineering, 10th Edition

17-Comp-B1  Advanced Computer Architecture
Hennessy and Patterson, Computer Architecture: A Quantitative Approach, 5th ed, Morgan
Kaufmann

17-Comp-B2  Principles of VLSI
Chen, CMOS Devices and Technology for VLSI
Rabaey & Chandrakasan, Digital Integrated Circuits, 2ED, Pearson
Glasser & Dobberpuhl, The Design and Analysis of VLSI Circuits
Jack & Denyer, Introduction to MOS LSI Design
17-Comp-B3  Data Bases and File Systems
Date, An Introduction to Data Base Systems, 6th Edition

17-Comp-B4  Computer Graphics

17-Comp-B5  Computer Communications
Stallings, W., Data and Computer Communications, 10th Edition, Pearson
Saadawi, Amman & El Hakeem, Fundamentals of Telecommunication Networks, Prentice-Hall

17-Comp-B6  Computer Control and Robotics
Moudgalya, Digital Control, Wiley-Interscience

17-Comp-B7  Digital Signal Processing
Blandford and Parr, Introduction to Digital Signal Processing, Pearson
Strum & Kirk, First Principles of Discrete Systems and Digital Signal Processing

17-Comp-B8  Computer Integrated Manufacturing
Rehg & Kraebber, Computer Integrated Manufacturing, 3rd ed, Pearson

17-Comp-B9  Artificial Intelligence and Expert Systems
Winston, Artificial Intelligence

17-Comp-B10  Distributed Systems
Tanenbaum & Van Steen, Distributed Systems: Principles and Paradigms, Pearson
Mullender, S. (Editor), Distributed Systems, 2nd Edition, Addison-Wesley

17-Comp-B11  Advanced Software Design
Dasgupta & Dimitriou, Algorithms, McGraw-Hill

17-Comp-B12  Computer Security
Bishop, Introduction to Computer Security, Addison-Wesley
Easttom, Computer Security Fundamentals, third edition
17-Comp-B13  Mechatronic Design
Carrer et al, Introduction to Mechatronic Design, Pearson