
LIST OF COMMON BOOKS FOR CS, CE,EE, MECH,CIVIL,INDUSTRIAL ENGG.

FROM THE USC WEBSITE: contributed by Rakesh Tiwari

Here is a list of books which is just a suggestion for what you might need when you are here. If you manage to have them or you can find Indian editions or you can find some second hand bookstores then you could try to get them - Books are heavy so dont overload. Currently available information is for CS, CE, EE, ISE departments.

CS, CE & EE

CS402 Operating Systems : Tanenbaum - Modern Operating Systems Techniques and Tools

M Bach - The Design of the UNIX OS.

CS455 Data Structures & C++ : William Ford/ William Topp - Data Structures with C++

Deitel and Deitel - C++ How to Program, Prentice Hall

CS 460/561 AI : Norvig/Russel - AI A Modern Approach

Van Nielson - Artificial Intelligence

CS477 Software Engg. : Schach - Software Engg.

Sommerville - Software Engg.

CS 480 Computer Graphics : Hearn and Baker - Computer Graphics

Foley/ Van Dam - Intro to Computer Graphics

CS485 Database System : Korth & Silberschatz - Database System Concepts

CS551 Computer Communications : Peterson & Davies - Computer Networks A Systems Approach.

CS555 Advanced OS : Coulouris,Dollimore & Kindberg - Distributed Systems:
Concepts and Design

CS570 Algorithms : Cormen, Leiserson, Rivest - Introduction to Algorithms,
McGrawHill

CS 574 Computer Vision : V.S. Nalwa - A Guided Tour of Computer Vision

CS585 Database : Fundamentals of DataBase Systems (2nd Ed.)-
Elmasri/Navathe

EE555 Broadband Networks : Computer Networks - S Keshav, Tannenbaum 3rd
Edition

EE557 Computer Architecture: Hennessey and Peterson - Computer Architecture,
A Quantitative Approach,2nd Edition
AND/OR

Kai Hwang - Advanced Computer Architecture: Parallelism,
Scalability, Programmability.

EE577 VLSI Systems Design : Neil H.E.Weste/Kamram Eshraghian Principles of
CMOS VLSI
Design, A systems Perspective (2nd Ed.)

EE657 Parallel Computing : Culler, Gupta and J.P. Singh Parallel Computing Arch
(not yet in print - beta version)

EE658 Diagnosis and Design : Abramovici/Breuer/Friedman- Digital Systems:Testing
and
Testable Design of Reliable Digital Systems

CS & EE Communication : Bertsekas & Gallager - Data Networks and Networks
Stream
M. Schwartz - Telecommunication Networks

Stallings.W.- Data and Computer Communications
Tanenbaum - Computer Networks
Halsal - Computer Network - Data Communications, Computer
Networks and Open Systems.

Broadband Networks : Ulysses Black - ATM : Foundation for Broadband
networks

General Books which you might want to bring if you have them -

C - Kernighan & Ritchie

C++ - Stroustrup

Automata - Hopcroft & Ullman

Algorithms - Ahoetal.

OS & Networks - Stevens

Java, HTML, CGI books for CS majors
