SUBJECT GUIDE: COMPUTER SCIENCE / ENGINEERING & ELECTRICAL ENGINEERING

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Print Material

Search Terms

Materials (books, case studies, conference material) can be found using the **UNIC Library Catalogue**. Use the following subject headings, under the **Browse** search, to find specific information for your research:

Computer Engineering and Electrical Engineering

- Power electronics
- Digital electronics
- Logic circuits
- Logic design
- " data processing
- Computer-aided design
- Digital integrated circuits, Design and construction
- VHDL (Computer hardware description language)
- Integrated software
- Integrated circuits
- Electronic circuits
- Electric circuits
- " Linear
- " Problems, exercises
- Electric circuit analysis, Data processing
- Electric Engineering
- Electric power systems
- Electric power production
- Electric power distribution
- Electric power transmission
- Electronic digital computers, Circuits
- Electronic apparatus and appliances
- Electromagnetism
- Microelectronics
- Microprocessors, Programming
- Microcomputers, Programming
- Engineering Mathematics, Data processing
- Computer organization
- Computer architecture
- Computer interfaces
- Computer literacy
- Computer network protocols
- Computer networks, Examinations, study guides
- " Management
- Embedded computer systems
- Computer science, Mathematics

- Data transmission systems
- Digital filters, Mathematics
- Discrete time systems
- Speech processing systems
- Signal Theory, Telecommunication
- Signal processing, Digital techniques
- Digital communications
- Telecommunication systems
- Optical communications
- Broadband communication systems
- Microwave communication systems
- Wireless communication systems
- Mobile communication systems
- Artificial satellites in telecommunication
- Fiber optics
- System analysis
- Vector analysis
- Calculus, Textbooks
- Linear models, Statistics
- Boundary value problems
- Fuzzy systems
- Neural networks, computer science
- Computer vision
- Robots, Industrial
- Power electronics
- Electronic data processing, Distributed processing
- Feedback control systems
- Image processing, digital techniques
- Microwave circuits
- " devices
- Antennas electronics
- Coding theory
- Information theory
- Academic writing

Computer Science and Mathematics

- Object-oriented programming, Computer science
- C++, computer program language
- Java, "
- Pascal "
- PL/SQL "
- Visual programming
- Internet "
- Structured "
- Parallel programming, Computer science
- Oracle, Computer file
- UNIX, Computer file
- " Computer operating system
- Data structures, Computer science
- Computer software, Development
- " Reliability
- Software engineering
- Computer algorithms
- System analysis
- System design
- Systems engineering
- Human computer interaction
- User interfaces, Computer systems
- Graphic user interfaces, Computer systems
- Database management
- Database design
- Relational databases
- Object-oriented databases
- Data mining, Congresses
- Data protection
- Electronic data processing, Distributed processing
- Computer graphics
- Computer vision
- Image processing, Digital techniques
- OpenGL
- Formal languages
- Logic, symbolic and mathematical
- Machine theory
- Computational complexity
- Programming, Mathematics
- Computer science, Mathematics
- Calculus
- Linear models, Statistics
- Differential equations
- Computer algorithms
- Computer organisation
- Computer architecture
- Embedded computer systems
- " design and construction
- Logic circuits, design and construction
- Operating systems, Computers
- Distributed systems
- Computer networks
- Data transmission systems
- Artificial intelligence
- Knowledge representation, Information theory
- Language and languages, Computer-assisted instruction
- Compilers, Computer programs
- Computer security
- Computer networks, Security measures
- Computer crimes

Location on the shelves (Print Books)

Below you can find the location of various books relevant to **Computer Science/ Engineering & Electrical Engineering** in the library according to the Dewey Decimal Classification system in the Main, Reserve and Reference Collections:

Computer Science	Computer Engineering & Engineering	Electrical Engineering
003 Systems 003.54 Information theory 004 Computer Science 004.019 Psychological principles (Computer science) 004.068 IT management 004.21 Systems analysis & design 004.35 Multiprocessing 004.678 Internet 005.13 Programming languages 005.268 Programming for specific operating systems 005.44 Operating systems 005.453 Compilers 005.74 Data files & databases (DataBase management / Information systems) 005.756 Relational databases 005.7570 Object-oriented databases 005.8 Data security 006 Special computer methods 006.3 Artificial Intelligence 006.31 Machine learning 006.32 Neural networks 006.33 Knowledge based systems 006.6 Computer Graphics 00.6.66 Programming 006.68 Programs 025.04 Information storage & retrieval systems	**Computer Engineering** 005.3 Computer programs 604 Technical drawing (AutoCAD) 620 Engineering 620.1 Statics & Dynamics 620.11 Engineering materials 620.112 Strength of materials 621.39 Computer engineering 621.392 Systems analysis, design & computer architecture 621.395 Circuitry, Digital Design **Engineering** 333.7 Natural resources & energy 363.7 Environmental problems 518 Numerical analysis 519 Probabilities & applied mathematics 530 Physics 530.141 Electromagnetic theory 537 Electricity & electronics 620 Engineering and allied operations 620.0042 Engineering design 620.103 - 620.107 Engineering (Applied) mechanics 621.4 Prime movers & heat engineering 624.1 Structural engineering & underground construction 628.5 Pollution control technology 629.8 Automatic control systems 629.89 Computer control 629.892 Robotics 629.895 Computerized process control 696-97 Heating, ventilating, air-conditioning engineering	621.3 Electrical engineering; lighting; superconductivity; magnetic engineering; applied optics; paraphotic technology; electronics; communications engineering; computers. 621.31 Generation, modification, storage, transmission of electric power 621.31042 Electrical machinery & equipment 621.312 Generation, modification, storage 621.317 Control devices, power electronics 621.319 Transmission 621.3192 Networks (Circuitry & lines) 621.36 Optical engineering 621.366 Lasers 621.367 Image processing 621.381 Electronics 621.3813 Microwave electronics 621.3815 Components and circuits (analog, digital, integrated, microelectronic, semiconductors) 621.3815324 Filter design 621.381535 Operational Amplifiers 621.382 Communications engineering 621.3821 Communications networks 621.3822 Signal processing 621.3824 Antennas & propagation 621.3827 Optical & Acoustical communications 621.384 Radio & radar 621.3845 Mobile communication 621.388 Television 621.389 Security, digital audio and related systems 621.4 Heat engineering & prime movers 621.471 Solar-energy engineering 621.8 Machine engineering

Electronic Resources

The library subscribes to a number of databases which give access to millions of journal articles for your research. These can be accessed on-campus and off-campus (see "Off-campus access" instructions: www.library.unic.ac.cy or contact our library staff). To access relevant databases for go to UNIC library webpage, either use the Library Search box or click on **eCollections (A-Z),** then sort by subject and select **"Science, Engineering & Technology":**

ProQuest Databases
- Research Library
- Computing
- Science
- SciTech Premium
- Telecommunications

EBSCO Databases
- Computers & Applied Sciences Complete
- Education Research Complete
- Academic Search Ultimate
- MasterFile Premier

Other Databases
- ACM Digital Library
- Scopus
- AIS Electronic Library
-

Also, search under **"eCollections (A-Z)"** link to find:

E-Journals
- IEEE Xplore
- Cambridge University Press
- ScienceDirect (Elsevier)
- Emerald
- SAGE
- Springer
- Wiley
- Oxford University Press
- Architectural Engineering
- Directory of Open Access Journals (DOAJ

E-Books
- EBSCO
- ProQuest eBook Central
- Springer
- Elsevier
- Wiley
- Cambridge University Press
- Oxford Online (OUP)

European Resources

For resources relating to the EU go to: https://op.europa.eu/en/home

For related EU information:
- Informatics: https://ec.europa.eu/info/departments/informatics_en
- Communications Networks, Content and Technology: http://ec.europa.eu/dgs/connect/mission/index_en.htm
- General information: http://ec.europa.eu/index_en.htm
- Key Policy Focus on Communications Networks, Content and Technology: https://ec.europa.eu/info/departments/communications-networks-content-and-technology_en
- ESA (European Space Agency): https://www.esa.int/ESA

For more relevant links go to the Library's **EU resources** webpage: https://edc.library.unic.ac.cy/eu-resources

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