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University of Leeds Classification of Books
Electrical Engineering

[A	**General]**	
A-0.01	Periodicals	
A-0.03	Collections of essays, Festschriften etc.	
A-0.04	Bibliography	
A-0.09	Tables	
A-0.18	Handbooks; directories	
A-0.19	Dictionaries	
[A-0.2	Biography and history]	*No longer used : see History of Science*
A-0.4	Education and training	
A-0.6	Electrical engineering profession	
A-1	General texts	
[B	**Scientific texts for electrical engineers]**	
B-1	Mathematics	
B-3	Computing	
B-5	Physics	
[C	**Electromagnetics]**	
C-0	General	
C-2	Electromagnetism	*See also Physics K-3*
C-3	Magnetohydrodynamics	
C-5	Electromagnetic waves	
C-8	Guided waves; Waveguides	
C-11	Antennas	
C-14	Propagation	
[E	**Circuit & network theory]**	
E-2	Linear system theory	
E-3	Matrix analysis and graph theory	
E-5	Circuit analysis	
E-8	Circuit synthesis	
E-9	Linear active networks	
E-11	Transients	
E-14	Transmission lines and filters	
E-16	Engineering analogies	
E-17	Miscellaneous	

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[G Physics of electrical materials]

G-2	Conductors, insulators and dielectrics	*See also Physics K-2*
G-5	Plasmas and electric discharges	
G-8	Magnetic materials	
[G-11	Semiconductors]	*See Physics K-2.2*

[H Fabrication of devices & components]

H-0	General, VLSI	*Materials for microelectronics : see Materials B-9.3*

[J Theory of devices]

J-2	Thermionic devices	
J-5	Semiconductor devices, Superconductor devices, Monte Carlo devices	
J-8	Quantum electronic devices	*Quantum computers : see Computer Studies L-1*
J-11	Ferrite devices	
J-14	Noise in devices	
J-17	Miscellaneous devices	

[L Electronic circuits]

L-0	Electronics
L-2	Electronic circuit analysis, transistor circuits
L-5	Special amplifier circuits
L-8	Operational amplifiers and other monolithic circuits, analog & digital circuits, linear integrated circuits
L-11	Oscillators, frequency synthesis
L-14	Wave generation and shaping
L-17	Parametric amplifiers and non-linear active circuits
L-20	Handbooks of electronic circuit design, circuit handbooks
L-23	Data manuals
L-26	Miscellaneous

[N Communication theory; Signal processing]

See also Computer Studies A-6.2

N-0	Basic communication theory
N-2	Communication system theory
N-5	Information and coding theory, conferences on speech synthesis
N-8	Random signal theory and noise
N-11	Modulation
N-14	Data transmission
N-17	Digital signal processing, waveform quantisation, spectral analysis, Kalman filtering
N-20	Image processing

[P Communication technology]

P-0	General, Telecommunications technology	
P-2	Acoustical engineering	*Musical aspects: Music A-1.4*
P-5	Line communication	
P-8	Radio engineering, mobile systems	
P-11	Television engineering, video	
P-14	Microwave engineering	
P-17	Radar engineering	
P-20	Satellite systems and telemetry	
P-23	Miscellaneous, digital transmission, optical fibre communications	

[R Computer electronics; Logic circuits]

R-2 Theory of switching circuits, digital system design
R-5 Logic circuit design, integrated circuit design
R-8 Digital, analogue and hybrid computers and their technology, microprocessor interfaces
R-11 Applications of computers (including CAD)

[T Electromechanical energy conversion]

T-2 Generalised theory
T-5 Electrical machines
T-8 Design of electrical machines
T-11 Utilisation of electrical machines

[U Power generation & distribution]

U-2 Power systems analysis
U-5 Power generation and power stations
Alternative power generation systems, e.g. solar energy, wind power, tidal generation, etc. : see Fuel F-9 – F-9.9
U-8 Transmission, distribution and switchgear
U-11 High voltage engineering
U-14 Power transformation

V-0 Power electronics & conversion

[W Electrical measurements]

W-1 Instruments and transducers
W-5 Electrical instrumentation
W-8 Microwave techniques

[Y Industrial applications]

Y-2 Electric traction and drives
Y-3 Magnetic applications
Y-5 Electric heating
Y-8 Illumination
Y-11 Electronic applications
Y-14 Miscellaneous

[Z Control engineering]

Z-2 Control engineering theory
For chemical industry: see Chemical Engineering O-7
Z-5 Classical (control) theory
Z-8 Non-linear theory
Z-11 Optimal / adaptive theory, adaptive control, adaptive parameter estimation (linear systems)
Z-14 System identification and stochastic systems
Z-17 Discrete systems
Z-20 Modern linear theory
Z-23 Electromechanical systems and components
Z-26 Fluidic / hydraulic / pneumatic systems and components
Z-29 Computer and numerical control
Z-30 Robot technology
Z-32 Applications