



St John's College Library

SUBJECT GUIDE: **ENGINEERING**

Resources for Engineering

1. Books

Some of the subjects of interest to engineers are located with mathematics, physics, and chemistry, classified in the Qs section on the Mezzanine. Some aspects of management may also be found with economics, mainly in the HDs. These are on the Second floor.

General Layout of Engineering books on the Second Floor:

T General technology and industry

Civil engineering:

TA General engineering. Civil engineering
TC Hydraulic engineering
TD Environmental technology & sanitation
TE Highway engineering
TF Railway engineering
TG Bridge engineering
TH Building construction

Mechanical engineering:

TJ Mechanical engineering & machinery
TK Electrical engineering. Electronics. Nuclear engineering
TL Motor vehicles. Aeronautics. Astronautics

Chemical engineering:

TN Mining engineering. Metallurgy
TP Chemical engineering
TR Photography

Manufacturing:

TS Manufacturing

Dynamics	QA 845; TA 352
Elasticity	QA 931; TA 418
Electrical engineering	TK
Electricity	QC 521
Engineering drawing	T 353
Environmental planning	TD
Fluid mechanics	QA 911; TA 357
Fracture mechanics	TA 409-
Heat transfer	QC 320; TJ 260-
Machines	TK
Management info. systems	T 58.6
Mathematics for engineers	QA 401; TA 330
(check catalogue for individual titles: specific topics may be found with the appropriate section of mathematics.)	
Optics	QC 355
Plasticity	QA 931; TA 418.14
Pollution	TD
Polymers	QD 381; TA 455
Production management	HD 28-88; TS 155
Programming	QA 76.6-; T 57
Soil mechanics	TA 710
Statics	QA 821; TA 351
Surveying	TA 545
Thermodynamics	QC 311; TA 403; TJ 265
Vibration	QA 865; QC 231; TA 355

2. Journals

All of the Library's journal holdings, listed by subject, are available via the website:

<http://www.joh.cam.ac.uk/journals>

Ejournals can be searched via eresources@cambridge (see overleaf for more information).

3. *Electronic Resources*

The Library Gateway provides a complete guide to electronic resources available across the University:

<http://www.lib.cam.ac.uk/eresources/index.php>

Select 'Engineering and Technology' from the drop-down menu.

Key resources include:

Aerospace Database

ASTM International Standards & Engineering Digital Library (SEDL)

Engineer-it

Institution of Civil Engineers Virtual Library

The Faculty of Engineering Library website also provides a comprehensive list of general and specialist online information resources:

<http://www-lib.eng.cam.ac.uk/resources/resources.html>

Note: A Raven password is required for online access off-campus

4. *Engineering cribs*

Printed sets of cribs are located on the first set of shelves as you enter the engineering section on the Second floor. Please do not remove cribs from the Library. There is a photocopier on the Third and Ground Floor. A microfiche reader is located on the Ground Floor.

Recommendations

The College Library aims to provide all works necessary for Part One courses, and a selection of the most important works required for Part Two. We receive reading lists from the departmental libraries in advance of each academic year, and continually update the Library collections in response to requests from Directors of Studies, supervisors, and students. If texts you require for your course are not available in the College Library, please talk to a member of Library staff. Recommendation cards for new purchases can be found at the Issue Desk, and all reasonable requests will be considered.

Help

If you have any difficulty in tracing the material you need, whether in printed or electronic format, please ask a member of Library staff for assistance.

Cover photo taken by Paul Everest