



St John's College Library

SUBJECT GUIDE:
MATERIALS
SCIENCE

Resources for Materials Science

1. Books

Books of interest to those studying materials science and metallurgy are located in two sections:

Engineering section: classmark T in Chapel wing, Second Floor.

Science section: classmark Q, Mezzanine.

A brief outline of the locations of relevant subjects:

Analytic chemistry of metals	QD 132-137
Chemical technology	TP
Crystallography	QD 901-999
Electrochemistry	QD 551-562
Engineering materials	TA 401-492
Mathematical methods	QC 20
Metal manufacture and metalworking	S 200-770
Metallurgy and mining engineering	TN
Metals in engineering and construction	TA 459-492
Optics	QC 350-467
Polymers	QD 380-388
Polymers as engineering materials	TA 455.P58
Semiconductors (physical properties)	QC 611
Semiconductors in engineering	TK 7871.85-
Solids, solid state physics	QC 176-176.9

2. Journals

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

www.joh.cam.ac.uk/journals

While the college library does not subscribe to any materials science and metallurgy journals in hard copy, a wide range of journals is available online (see below). St John's does take a range of general science journals, which may hold items of interest. A printed list of all current journals available may also be found at the Issue desk.

Ejournals can be searched via eresources@cambridge (see below 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 'Materials Science and Metallurgy' from the drop-down menu.

Key resources include:

COS Conference papers index

Engineered Materials Abstracts

Institution of Civil Engineers Virtual Library

METADEX

Materials Science and Metallurgy Department Library website provides a comprehensive portal to many relevant eresources:

<http://www.msm.cam.ac.uk/library/>

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

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.