



**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:

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

## **2. Journals**

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

**[www.joh.cam.ac.uk/journals](http://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.

E-journals can be searched via *Cambridge LibGuides* (see below for more information).

## **3. Electronic Resources**

*Cambridge LibGuides* provide a complete guide to all subjects and electronic resources as e-journals, ebooks and databases available across the University:

**<http://libguides.cam.ac.uk>**

Key resources include:

- ASM Handbooks Online
- ASTM Compass
- Scopus
- Web of Science

*Materials Science and Metallurgy Department Library* website provides a comprehensive portal to many relevant e-resources:

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

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

**Other libraries you may find useful:** University Library, Department for Material Science and Metallurgy Library, Betty and Gordon Moore Library.

### **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. You can recommend an item by using the online recommendation form or by filling in a recommendation form available at the Issue Desk. All reasonable requests will be considered. If texts you require for your course are not available in the College Library, please talk to a member of Library staff.

### **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.**