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**AccessEngineering®** prepares students to solve real-world problems, provides access to upper-level textbooks at no additional cost, enables faculty to integrate practical resources into their courses, and helps professionals find relevant information faster, driving increased ROI.

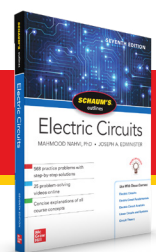
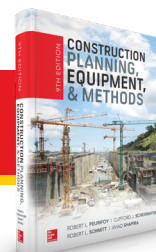
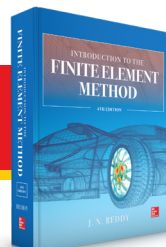
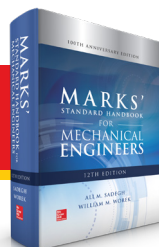
An institutional subscription to **AccessEngineering®**:

- ▶ Provides students with **digital editions of leading upper-level engineering textbooks** such as *Golnaraghi's Automatic Control Systems*, *Davis' Water and Wastewater Engineering*, *Vanek's Energy Systems Engineering* and the well-known *Schaum's Outlines*.
- ▶ Incorporates **current editions of authoritative engineering references**, including *Marks' Standard Handbook for Mechanical Engineers*, *Perry's Chemical Engineers' Handbook*, and the *Standard Handbook for Electrical Engineers*.
- ▶ Includes **4,000+ interactive graphs and downloadable tables, 40+ spreadsheet calculators with 500+ equations, 900+ exclusive instructional videos, and 700+ eBooks** to integrate into any engineering curriculum.
- ▶ Features access to McGraw-Hill's award-winning data visualization tool—**DataVis™**—specifically designed for teaching material properties.



**Subject Areas**

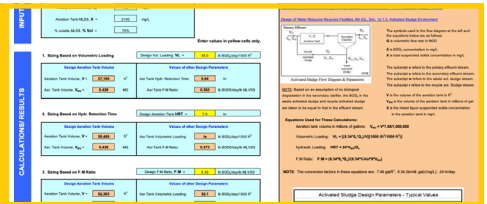
- ▶ Aerospace
- ▶ Bioengineering
- ▶ Chemical
- ▶ Civil
- ▶ Computer
- ▶ Electrical
- ▶ Energy
- ▶ Engineering Management
- ▶ Environmental
- ▶ Industrial
- ▶ Materials
- ▶ Mechanical



## Inside AccessEngineering®

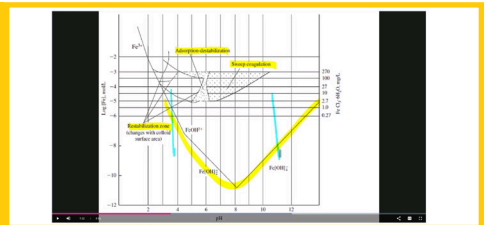
### Spreadsheet Calculators

Spreadsheet calculators save users time and reduce errors by streamlining calculations of 500+ common engineering equations.



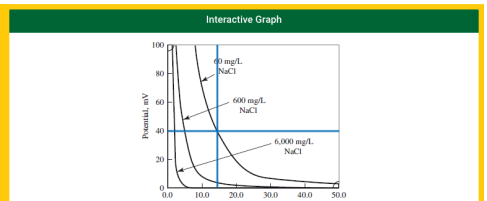
### Videos

900+ instructional videos created exclusively for AccessEngineering by renowned engineering faculty offer step-by-step solutions to everyday engineering problems.



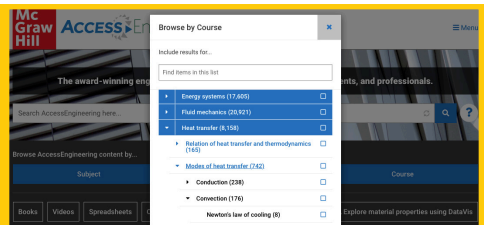
### Graphs and Tables

4000+ interactive graphs and downloadable tables allow for greater accuracy and analysis of data.



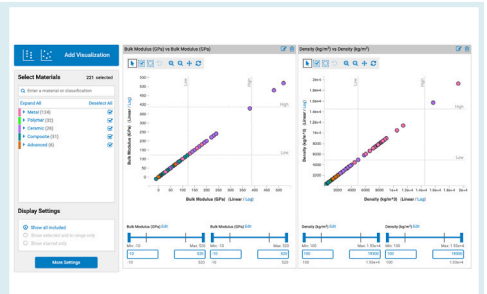
### Browse by Course

Easily find content for 30+ engineering courses using the dynamic Browse by Course feature. Browse at the top level for broader results, or drill down to find content on specific course topics.



### DataVis™ Material Properties

DataVis™, an award-winning interactive data visualization tool, is specifically designed for teaching material properties. DataVis makes it easy to compare properties across different materials and to evaluate multiple properties simultaneously. Student users say DataVis significantly improves their understanding of material properties.



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## State-of-the-art Search and Browse Experience

The screenshot displays the AccessEngineering search interface. At the top left is the McGraw Hill logo and 'ACCESS Engineering'. On the right, there are links for 'About', 'Administration', 'Help', 'What's new', and 'Get off-campus access'. A search bar contains the text 'reinforced concrete beams'. Below the search bar, a dropdown menu shows 'Browse AccessEngineering content' with 'reinforced concrete beams' selected. The main results area shows 'Results for reinforced concrete beams' with a 'Save search' button. A 'Refine results by...' section includes filters for 'Subject', 'Industry', 'Courses', 'Book Type', 'Book Title', 'Book Component', 'Book Author', and 'Equations'. The 'Subject' filter is expanded to show 'Everything' (2,098), 'Books' (2,095), 'Videos' (2), 'Spreadsheets' (1), 'Tutorials' (0), and 'DataVis' (0). The 'Courses' filter is expanded to show 'Reinforced Concrete Beam Deflection'. The 'Book Author' filter is expanded to show 'Mustafa Mahamid, Ph.D., S.E., P.E.' and a description of RC beam deflection. The 'Equations' filter is expanded to show '105. Reinforced Concrete Beams' and a description of reinforcement types.

AccessEngineering's search and browse capabilities make it incredibly easy for users to find the information they need. The search and browse experience is built around our proprietary engineering taxonomies, which were developed in conjunction with premier taxonomy experts as well as subject matter experts spanning every engineering discipline.

### The new taxonomies offer users multiple ways to search, browse and filter AccessEngineering content by:

- ▶ *Subject* – primary site taxonomy that is 10 levels deep with 6300+ primary terms and synonyms
- ▶ *Course* – 30 core engineering course outlines that are 5 levels deep (more to come)
- ▶ *Industry* – 11 different industries included
- ▶ *Equations* – 150+ common engineering equations can be applied to filter search results
- ▶ *Codes and Standards* – Search or filter to find commentary on 90+ engineering codes and standards

### Our intelligent search functionality leverages these taxonomies as well as the latest advances in SOLR search capabilities:

- ▶ Search algorithm incorporates taxonomy tags and weights as well as Boolean AND default, near phrase matching, and metadata field boosting
- ▶ Typeahead suggestions guide users in their search
- ▶ Related search suggestions are offered on all content pages
- ▶ All 5 taxonomies are provided as filters to refine search results



AccessEngineering offers retrievable institutional usage statistics, title by title usage statistics, MARC 21 records, advanced search capabilities, including Boolean search, and is COUNTER compliant. AccessEngineering also offers flexible access for both in-network and remote users via IP authentication, Shibboleth authentication, referral URL, and/or username and password.