Powered by Connect for Engineering, McGraw Hill’s resources are designed to help students achieve success with a click. It’s an easy-to-use learning platform that gives instructors access to engaging, assignable, and assessable tools. All of these tools are tied to learning objectives that support student success by helping students develop positive learning behaviors.

Table of Contents

Engineering Titles with Connect ............2
Connect .........................................................6
Smartbook...................................................8
Connect Reports.........................................9
Support Commitments..............................10
# Engineering Titles with Connect

## Engineering Mechanics

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Vector Mechanics for Engineers: Statics and Dynamics, 12e</em></td>
<td>Ferdinand Beer, E. Russell Johnston, Jr., David Mazurek, Phillip Cornwell, Brian Self</td>
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</tr>
</tbody>
</table>

## Aeronautical Engineering

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Fundamentals of Aerodynamics, 7e</em></td>
<td>John Anderson</td>
</tr>
<tr>
<td><em>Introduction to Flight, 9e</em></td>
<td>John Anderson</td>
</tr>
</tbody>
</table>

NEW

MATLAB for Engineering Applications, 5e
William Palm III

Technical Writing for Engineers & Scientists, 4e
Leo Finkelstein Jr., Jeanine Elise Aune, Leslie A. Potter
General Engineering

Fundamentals of Solid Modeling and Graphics Communication, 7e
Gary Bertoline
Nathan Hartman
William Ross
Eric Wiebe

Engineering Fundamentals and Problem Solving, 8e
Arvid Eide
Roland Jenison
Larry Northup
Steven Mickelson

BEST Collection for Introduction to Engineering

Introduction to Graphics Communications for Engineers, 5e
Gary Bertoline

MATLAB for Engineering Applications, 5e
William Palm III

Foundations of Engineering, 3e
Mark Holtzapple
W. Dan Reece

Technical Writing for Engineers & Scientists, 4e
Leo Finkelstein Jr.
Jeanine Elise Aune
Leslie A. Potter

Thermal and Fluids Engineering

Fluid Mechanics: Fundamentals and Applications, 4e
Yunus Cengel
John Cimbala

Heat and Mass Transfer: Fundamentals and Applications, 6e
Yunus Cengel
Afshin Ghajar

Fundamentals of Thermal-Fluid Sciences, 6e
Yunus Cengel
Robert Turner
John Cimbala

Thermodynamics: An Engineering Approach, 10e
Yunus Cengel
Michael Boles

Fluid Mechanics, 9e
Frank M. White
Henry Xue

Viscous Fluid Flow, 4e
Frank M. White
Joe Majdalani

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Matthew Sadiku

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Richard Jaeger
Travis Blalock

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Giorgio Rizzoni
James Kearns

Engineering Circuit Analysis, 10e
William Hayt
Jack Kemmerly
Jamie Phillips
Steven Durbin

Signals and Systems: Analysis Using Transform Methods & MATLAB, 3e
M.J. Roberts

Fundamentals of Electrical Engineering, 2e
Giorgio Rizzoni
James Kearns

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Introduction to Mechatronics and Measurement Systems, 5e
David G. Alciatore
Micheal B. Histand

System Dynamics, 4e
William Palm III

Shigley’s Mechanical Engineering Design, 11e
Richard Budynas
Keith Nisbett

Foundations of Materials Science and Engineering, 7e
William F. Smith
Javad Hashemi
What is Connect?

Connect is a complete course platform that enables instructors to build deeper connections with their students through cohesive digital content and tools, creating engaging learning experiences. Each of the titles in this catalog is supported by Connect to provide you and your students course-specific, trusted content, resources and tools—all in one place. The engagement and adaptive tools in Connect enable learners to take their education beyond the classroom.

**Homework & Adaptive Learning**
- Contextualized assignments
- SmartBook 2.0 Adaptive Reading
- Time-saving tools
- Customized to individual needs
- STEM Prep Modules
- Application Based Activities

**Quality Content & Learning Resources**
- eBooks available offline
- Custom course content
- Resource library
- Easy course sharing
- Customized to-do list and calendar
- Lecture capture
- Remote Proctoring
- Writing assignment tool with customizable grading rubrics

**Trusted Services & Support**
- Seamless LMS integration
- Training
- In-product help and tutorials
- 1:1 or group help

**Robust Analytics & Reporting**
- Easy-to-read reports
- Individual and class performance reports
- Auto grading

“Connect is simple, interactive, and efficient. It makes it easy for my students to access the material, and the students appreciate the automated fast feedback for their assignments.”

Professor Khaled Zbeed, Western Illinois University
What is Math Prep for Statics?

We know that you welcome a group of students with a wide range of pre-requisite knowledge. ALEKS Math Prep for Statics is designed to support this challenge. ALEKS is a mastery-based learning platform that identifies what your students know, what they don't know, and what they are ready to learn.

Why does ALEKS Math Prep for Statics work?

Fields of mathematical knowledge have a logical structure. ALEKS uses this knowledge structure to make inferences about what a student knows and doesn't know. Based on ALEKS’ knowledge check assessment, ALEKS will recognize each student's unique knowledge state. ALEKS guides students on the most efficient path through the knowledge structure by targeting their individual needs for instruction. It does not rely on a student self-evaluation nor a one-size-fits-all model. Rather, ALEKS uses a unique cycle of learning and assessment to keep each student on the right path.

What topics are covered in ALEKS Math Prep for Statics?

The knowledge structure of ALEKS Math Prep for Statics has more than 130 topics. These topics will review concepts from statics and present mathematical material for statics.
What is SmartBook?

Available within McGraw Hill Connect, SmartBook® makes study time as productive and efficient as possible. It identifies and closes knowledge gaps through a continually-adapting reading experience. The student’s knowledge and self-reported confidence enables SmartBook to provide each student with long-term retention solutions. Focusing on closing knowledge gaps and long-term retention ensures that every minute spent with SmartBook is returned to the student as a value-added minute.

Probing questions help students check their knowledge and confidence, and hone in on the concepts they don’t understand to improve their performance.

Yellow highlighting provides students with just-in-time learning, focusing on the critical concepts and topics within the chapter.

"SmartBook made it easy for me to learn the concepts and gave me the confidence I needed to understand and complete the Connect homework problems."

Naazneen Ibtehaj, Biomedical Engineering Student, University of Texas at Austin
What are Connect Reports?

Student Performance
Connect Reports keep instructors informed about how each student, section, and class is performing, allowing for more productive use of lecture and office hours. Instructors have the ability to assess and analyze students’ progress on assignments throughout the term, seamlessly and with ease.

Support at Every Step

SupportAtEveryStep.com is your one stop shop to find contact information for our live support teams and key self-service resources for everything from decision-making resources, class prep, first-day-of-class, tips for the classroom and more. Whether you use the text alone or one of our award-winning digital courseware products, you’ll find what you need at SupportAtEveryStep.com.

Just getting started? Want to take it to the next level? Either way, your dedicated McGraw Hill Implementation Consultant can help you build your course, create assignments and set policies. Need help with reports or adjusting your course to improve outcomes? Click on “Courseware Consult” at SupportAtEveryStep.com and set up an appointment today.

Need a reality check? Having a direct line to an instructor who’s been in your shoes can make all the difference. That’s why we have over 600 faculty consultants across the country to share their experiences and provide personalized guidance.

How can we help? No matter your tech questions, the McGraw Hill Tech Support Group is ready to help with a searchable database of FAQs and live support for you and your students. Reach out at (800) 331.5094, or connect online by going to SupportAtEveryStep.com and selecting “Tech Support.”
Upon selecting McGraw Hill products for your course, you will receive the following commitment to you and your students needs.

**Instructor Training Needs**
Training on Connect Engineering is conducted by webinar, as well as on campus, depending on instructional needs and desires.
- Your Implementation Team is dedicated to efficient implementation of Connect Engineering and SmartBook.
- Your Digital Faculty Consultants, current Engineering instructors using Connect, are available for best practices discussions.

**Student Training Needs**
- McGraw Hill can conduct “First Day of Class” student trainings to ensure that students access and navigate Connect Engineering effectively as well as efficiently.
- McGraw Hill offers mid-semester student trainings and videos to help them utilize reporting features to build more effective study habits.
- Customer Service is available regularly, including during non-traditional business hours (e.g., Sunday evenings). Hours and Personnel are heightened during rush times, such as registration and finals, and this will continuously be monitored for times of greater need.

**Support Commitment**
- McGraw Hill provides on-going support for Connect Engineering and all digital resources that accompany our programs for the life of the adoption. You can expect unparalleled service from our full national sales, marketing and editorial teams.
- We guarantee a 24-hour response time to any questions, needs or issues which might arise throughout the life of the adoption.

**Desk Copy Commitment**
- McGraw Hill provides instructor desk copies for all instructors.

McGraw Hill is proud to sponsor two prestigious ASEE awards: ASEE Mechanics Division Beer and Johnston New Educator Awards, ASEE Engineering Technology Council, James H. McGraw Award