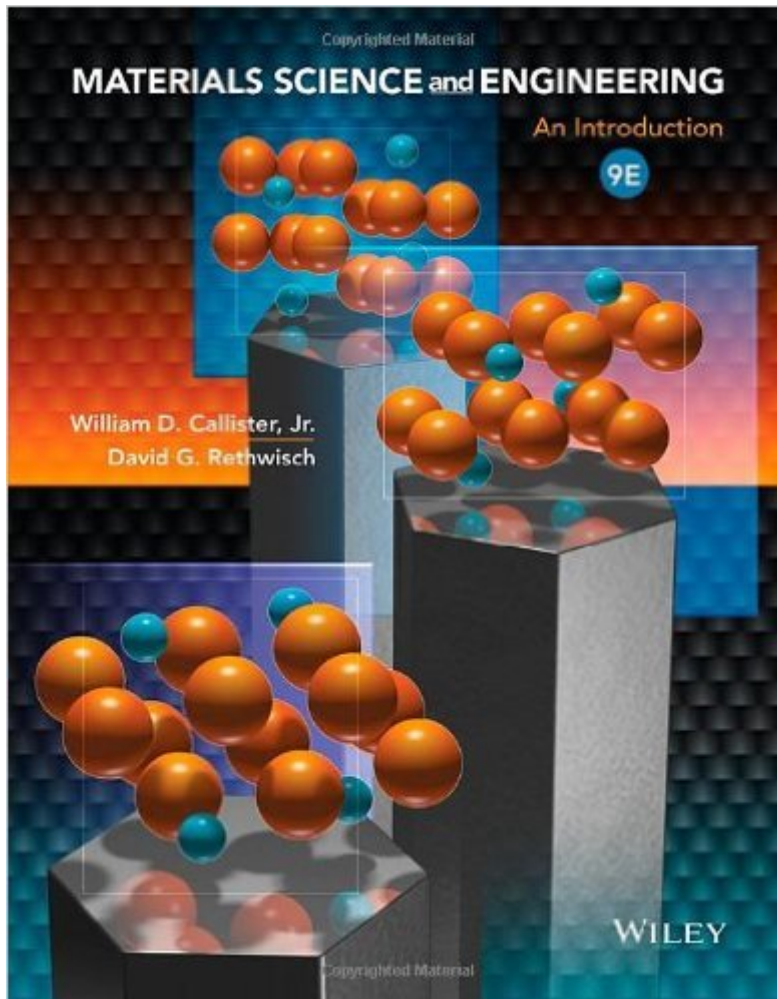


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# Materials Science And Engineering: An Introduction



## Synopsis

Building on the extraordinary success of eight best-selling editions, Callister's new Ninth Edition of Materials Science and Engineering continues to promote student understanding of the three primary types of materials (metals, ceramics, and polymers) and composites, as well as the relationships that exist between the structural elements of materials and their properties. This edition is again supported by WileyPLUS, an integrated online learning environment, (when ordered as a package by an instructor). Also available is a redesigned version of Virtual Materials Science and Engineering (VMSE). This resource contains interactive simulations and animations that enhance the learning of key concepts in materials science and engineering (e.g., crystal structures, crystallographic planes/directions, dislocations) and, in addition, a comprehensive materials property database. WileyPLUS sold separately from text.

## Book Information

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Average Customer Review: 4.3 out of 5 stars [See all reviews](#) (38 customer reviews)

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## Customer Reviews

This book covers everything you'll want to know for the foundation of material science and engineering. Great book that explains the concepts well and efficiently. I've gone to this book several times for covering topics I didn't cover in class, and the book did a great job of catching me up. I even used this for other classes like Fluid Mechanics or Heat Transfer. It's got it all. The example problems, while sometimes basic, provided you a great way to know if you understand the (wait for it....) material!

Taking a materials science/mechanical engineering course that uses this book and I love it. Very clear writing/explanations, use of intuitive notation, problems gradually get tougher at a reasonable

rate. Although my area is more in control systems, this MSE book has been really interesting. I'd take another course in it if I had time. Book definitely assumes you have the prerequisites though -- some of the math can get tricky, but's all reasonable for an undergrad. Excellent colors/visually appealing. I think MSE is a very visual subject, and since I'm not a visual person, it really helps to see what's going on with clear diagrams/pictures. My professor said this is a classic MSE book and I can see why. Two thumbs up.

I bought this for my Kindle thinking its a great deal. I have many books on Kindle which are easy to read. This one is not. You got the entire page on screen, which makes the print tiny. Zooming in does work, but makes reading difficult. Don't buy the kindle version!

Good book. My professor is good, so I don't use it much, but when I do it is pretty easy to understand.

Great book. This is the text used in Florida International University's mechanical engineering program. The text has been extremely useful taking this course. It is easy to read, and has great examples, all while having in-depth coverage of the material.

The subjects covered in this book are extensive and interesting. Diagrams, charts, tables and pictures as well as the simple language used to describe material background and uses do well to explain.

Honestly, wish I had bought hardcover, since the book is a little difficult to take care of, but the book \*arrived\* in pristine condition and is a very good text. (from my college sophomore)

I really enjoyed this book. Clear and simple presentation of basic materials science supplemented the course well and made Materials a more enjoyable class.

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