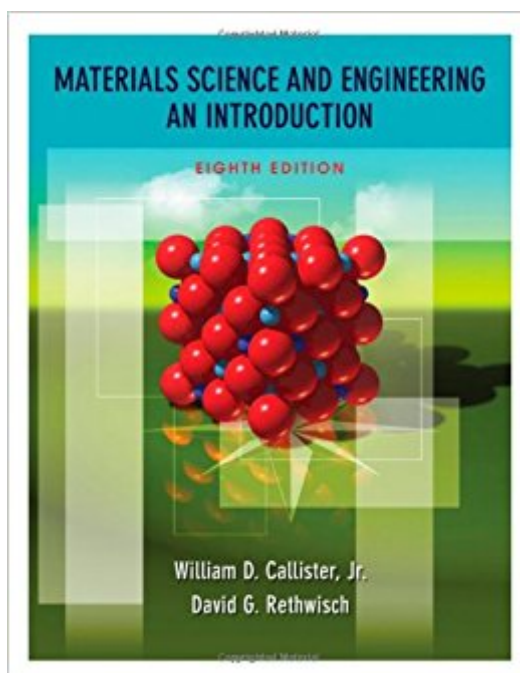


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Materials Science And Engineering: An Introduction, 8th Edition



Synopsis

Building on the success of previous editions, this book continues to provide engineers with a strong understanding of the three primary types of materials and composites, as well as the relationships that exist between the structural elements of materials and their properties. The relationships among processing, structure, properties, and performance components for steels, glass-ceramics, polymer fibers, and silicon semiconductors are explored throughout the chapters. The discussion of the construction of crystallographic directions in hexagonal unit cells is expanded. At the end of each chapter, engineers will also find revised summaries and new equation summaries to reexamine key concepts.

Book Information

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Customer Reviews

Most engineering books I've come across I can't read due to not knowing the engineering terms they expect you to know beforehand. This is the only book I've actually read and understood in engineering. It explains things well and doesn't use too much professional jargon that material science beginners would have to sort through. Thankful for engineering books like this that actually help me learn and not make me feel lost!!

Great product, on time shipping.

It's one of those books that everyone needs to read just to get their footing in the subject, but

doesn't cover any one topic (beyond basic crystallography) in sufficient depth to provide a deep understanding to the reader.

Arrived in good shape. The book itself isn't really that impressive. I'm basically using it in an online class that has no prereqs. For this purpose the book seems a bit too advanced. On the other side of the coin, if someone has a chemistry and physics background, I don't they would be overly impressed either. It doesn't show or explain how many of the formulas are derived.

This is a great book. So great in fact that it walked away from my desk at work. Apparently, I'm not the only person who thinks it's an excellent and comprehensive materials science book.

Bought used, came with severely damaged binding, and the first few pages are torn, but it does the job.

Bought this for my best friend who's a chemE. She passed her exams and doesn't seem too have died from trying to study yet, so I'd call this a success.

Pretty good book for explaining all the fundamentals and introduction to MSE. Was required for my class but I'm glad I got it anyways as it had a lot of good info.

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