

Chapter 1 : Studying Engineering | RedShelf

*Studying Engineering: A Road Map to a Rewarding Career (Fourth Edition) [Raymond B. Landis] on calendrierdelascience.com *FREE* shipping on qualifying offers. About the Book Since Studying Engineering: A Road Map to a Rewarding Career exploded onto the market in*

A Road Map to a Rewarding Career exploded onto the market in , it has become the best selling Introduction to Engineering textbook of all time. Adopted by over U. Armed with the book as a powerful tool for "student development," large numbers of engineering programs have implemented Introduction to Engineering courses to improve the academic performance and retention rates of their students. Now, this pioneering text has been updated and expanded to bring students even more clarity in the process of achieving success in engineering study. Significant new material has been added to the Fourth Edition including: A Prologue to provide students with a perspective on what this book has to offer and how to get it. New sections on topics including fixed vs. The purpose of this innovative and exciting book is to enhance student success. Through its eight chapters it teaches students about: The keys to success in engineering study 2. The rewards and opportunities of an engineering career. An understanding of the field of engineering past, present, and future 4. Insight into the learning process 5. Academic success strategies needed to excel in mathematics, science, and engineering courses 6. The process of personal development needed to ensure that their behaviors and attitudes support their goal of becoming an engineer 7. The engineering education system and how to take full advantage of that system. Reflections are interspersed throughout each chapter so that students can read a section and then stop to engage in a guided reflection about what they just read. Completion of many of end-of-the-chapter problems provides opportunity for significant learning experience. Customer Book Reviews Great resource! By Jennifer Shaffer on Jul 05, I bought this book primarily for my daughter because she would like to have a better idea of what to major in when she starts college. She is good in math and science, and although I had an uncle who was a chemical engineer, I really had very little idea of what engineers actually study and what they do. I chose this book because I hoped it would answer not only basic questions about what engineers do, but also serve as a guidebook to help her decide if she would like engineering. I think this book does that exceptionally well, not by focusing on the dry basics of what classes she would need to take for this or that major, but by giving examples of what kind of thought processes are used, along with examples of the engineering design process. I like the way the book is laid out, workbook style, with lots of variety, drawings, reflections, and website references pointing to sources of more information. It is easy to read, skim, and glean an amazing amount of good advice and motivation for success, specifically success in engineering, but the tools in this book can apply just as well for other disciplines of study as well. Awesome By Shawn on Sep 25, I am a first year engineering student and this book has been amazingly helpful with getting me through my first year. Navigating in book is horrible--you can only move around by jumping to a "location" using a nearly meaningless number. Does not include everything in paperback version. NOT worth the cost in savings over paperback. Total waste of money. It was way easier to by it here, and was shipped quickly. By Rick on Apr 03, Saved a couple rather than buying it at the local text book store. Still using this book, came in handy. Great book and a good price. Brown on Nov 26, Great book for anybody wanting to learn more about the engineering field. Bought for our HS student trying to decide what field to pursue in college. By Diane on Sep 07, Fabulous text for a young person trying to start a career but undecided Usefeul book, but it has a few problems. Using that criteria, it was a very helpful book -- It explains what engineers do and the different engineering disciplines, as well as how the engineering education system works. However, that was only about pages of the book. The other where basically just about how to do well in school -- study, get help if you need it, go to class, etc Unless you are studying to get a degree in education or teaching, it was WAY to much, and I really had to drag myself through it to get to the last chapter and the helpful appendices. Like I said, if you are getting some kind of education degree or are simply very interested in the the learning process, you might find those chapters interesting -- They go into detail about the different kinds of questions and thinking, the roll of professors, different learning strategies, etc Instead, he seemed to paint them all as wonderful bastions of

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Chapter 6 : Studying Engineering: A Roadmap to a Rewarding Career by Raymond B. Landis

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