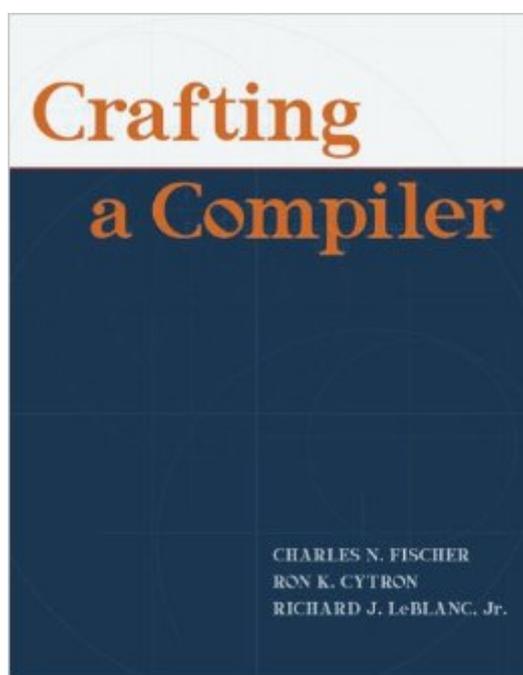


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# Crafting A Compiler



## Synopsis

Crafting a Compiler is a practical yet thorough treatment of compiler construction. It is ideal for undergraduate courses in Compilers or for software engineers, systems analysts, and software architects. **Â** Crafting a Compiler is an undergraduate-level text that presents a practical approach to compiler construction with thorough coverage of the material and examples that clearly illustrate the concepts in the book. Unlike other texts on the market, Fischer/Cytron/LeBlanc uses object-oriented design patterns and incorporates an algorithmic exposition with modern software practices. The text and its package of accompanying resources allow any instructor to teach a thorough and compelling course in compiler construction in a single semester. It is an ideal reference and tutorial for students, software engineers, systems analysts, and software architects.

## Book Information

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Average Customer Review: 2.8 out of 5 stars **Â** **Â** See all reviews **Â** (6 customer reviews)

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## Customer Reviews

I am 22. I found this rare book at a library sells, they were having a sell and sold this vbook for [money]. My interest at that time was compiler design. It was more out of curiosity, than for any real project. So, maybe this review is not from the perpsective of a professional, but a curious student 3 years ago. I did find this book to be rather incitive. This book is also heavy on terminology. As in the first chapter they give a detailed descption of different classes of compilers. The second chapter goes into lexical analysis. And the next few chapters they give the student an excercise to write a small compiler, that is rather trivial. That is the plus of this book, they give excercises for the student. This book also has a chapter on scanning **Â**, which is the best I ever seen in any compiler

design book I have ever read. They talk about concepts of set theory as it relates to lexical analysis. Then they talk about regular expression and Finite automata. This book is a great read indeed, and very easy to read. There are quite a few chapters dedicated to parsing. In the chapters related to parsing they give a comparison to Top Down and Bottom up parsing. They even go over well known utilities like Yacc. The last few chapters go into depth chapter by chapter on implementing control structures: conditional, iterative, recursive. Even the appropriate runtimes, like code generation. There is even one chapter that goes into the fundamental Data Structures for a compiler. The last chapter is called "Parsing In The Real World". The code examples in this book are based off of a language the ADA-CS language. There is a brief tutorial of this language. But the code is just an illustration, as they do not use a full language for the illustration.

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