

Table of contents

Preface	7
1. Introduction to discrete mathematics.	9
2. Sets and set algebra.	25
3. Elementary logic	47
4. Data representation and manipulation.	70
5. Graph theory	96
6. Digraphs	124
7. Trees.	152
8. Relations and functions	194
9. Counting and probability	219
10. Error-correcting codes.	241
Suggestions for further reading	264
Answers to exercises and problems.	265
Index	295