



SCHAUM'S
EASY OUTLINES

Basic Electricity

The fast way to top grades

- All the key concepts
- Expert tips for mastering basic electricity
- Last-minute essentials to pass the course

USE WITH THESE COURSES • Basic Electricity
• Electric Circuits • Operation of Electric Circuits

Milton Gussow



**Free online
diagnostic test**

Contents

Chapter 1:	Fundamentals of Electricity and Electrical Analysis	1
Chapter 2:	Direct-Current: Series and Parallel Circuits	27
Chapter 3:	Kirchhoff's Laws and Network Calculations	44
Chapter 4:	Principles of Alternating Current	69
Chapter 5:	Inductance and Inductive Circuits	83
Chapter 6:	Capacitance and Capacitive Circuits	109
Chapter 7:	General RLC Circuits	128
Index		151