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Nota di contenuto	Foreword; Introduction; Functions; Vectors, phasors and complex numbers; Mathematical models; Calculus; Differential equations; Laplace transform; Sequences and series; Logic gates; Probability and statistics; Solutions to problems; Index
Sommario/riassunto	This book is carefully designed to be used on a wide range of introductory courses at first degree and HND level in the U.K., with content matched to a variety of first year degree modules from IEng and other BSc Engineering and Technology courses. Lecturers will find the breadth of material covered gears the book towards a flexible style of use, which can be tailored to their syllabus, and used along side the other IIE Core Textbooks to bring first year students up to speed on the mathematics they require for their engineering degree. *Features real-world examples, case studies, assignments and knowledge-check questions throughout *Introduces key mathematical methods in practical engineering contexts *Bridges the gap between theory and practice