

The Sciences of the Artificial

Third edition

Herbert A. Simon

• HOCHSCHULE
LIECHTENSTEIN
Kblkrthek

The MIT Press
Cambridge, Massachusetts
London, England

Contents

Preface to Third Edition	ix	❁
Preface to Second Edition	xi	
1 Understanding the Natural and Artificial Worlds	1	
2 Economic Rationality: Adaptive Artifice	25	
3 The Psychology of Thinking: Embedding Artifice in Nature	51	
4 Remembering and Learning: Memory as Environment for Thought	85	
5 The Science of Design: Creating the Artificial	111	
6 Social Planning: Designing the Evolving Artifact	139	
7 Alternative Views of Complexity	169	
8 The Architecture of Complexity: Hierarchic Systems	183	
Name Index	217	
Subject Index	221	