

BRIEF CONTENTS

INTRODUCTION

IX

PART 1

SECURITY FUNDAMENTALS

1

MODULE 1

Introduction to Security

3

MODULE 2

Threat Management and Cybersecurity Resources

33

PART 2

ENDPOINT SECURITY

63

MODULE 3

Threats and Attacks on Endpoints

65

MODULE 4

Endpoint and Application Development Security

95

MODULE 5

Mobile, Embedded, and Specialized Device Security

127

PART 3

CRYPTOGRAPHY

155

MODULE 6

Basic Cryptography

157

MODULE 7

Public Key Infrastructure and Cryptographic Protocols

191

PART 4

NETWORK SECURITY

223

MODULE 8

Networking Threats, Assessments, and Defenses

225

MODULE 9

Network Security Appliances and Technologies

255

MODULE 10

Cloud And Virtualization Security

285

MODULE 11

Wireless Network Security

317

PART 5

ENTERPRISE SECURITY

351

MODULE 12

Authentication

353

MODULE 13

Incident Preparation, Response, and Investigation

389

MODULE 14

Cybersecurity Resilience

423

MODULE 15

Risk Management and Data Privacy

453

APPENDICES

Appendix A: CompTIA Security+ Sy0-601 Certification Exam Objectives

479

Appendix B: Two Rights & A Wrong: Answers

505

GLOSSARY

515

INDEX

543