

**ARRL Technician Class License
Manual 4th Edition**

**Table of Contents and Technician License
Course Outline**

1		Welcome to Amateur Radio	Page
	1.1	What is Amateur Radio	1-1
	1.2	The FCC and Licensing	1-13
	1.3	Amateur Radio Activities	1-15
	1.4	Getting Your Ham Radio License	1-19
2		Radio and Signals Fundamentals	
	2.1	Radio Signals and Waves	2-1
	2.2	Radio Equipment Basics	2-7
3		Electricity, Components, and Circuits	
	3.1	Electricity	3-1
	3.2	Components and Units	3-8
	3.3	Radio Circuits	3-17
4		Propagation, Antennas, and Feed Lines	
	4.1	Propagation	4-1
	4.2	Antenna and Radio Wave Basics	4-5
	4.3	Feed Lines and SWR	4-9
	4.4	Practical Antenna Systems	4-12

5		Amateur Radio Equipment	
	5.1	Modulation	5-1
	5.2	Transmitters and Receivers	5-5
	5.3	Digital Communications	5-11
	5.4	Power Supplies and Batteries	5-16
6		Communicating With Other Hams	
	6.1	Band Plans	6-1
	6.2	Making Contacts	6-4
	6.3	Using Repeaters	6-10
	6.4	Nets	6-15
	6.5	Communications for Public Service	6-17
	6.6	Satellite Operating	6-22
7		Licensing Regulations	
	7.1	Licensing Terms	7-1
	7.2	Bands and Regulations	7-9
	7.3	International Rules	7-14
	7.4	Call Signs	7-16
8		Operating Regulations	
	8.1	Control Operators	8-1
	8.2	Identification	8-3

	8.3	Interference	8-5
	8.4	Third-party Communications	8-7
	8.5	Remote and Automatic Operation	8-9
	8.6	Prohibited Transmissions	8-10
9		Safety	
	9.1	Electrical Safety	9-1
	9.2	Managing RF in Your Station	9-6
	9.3	RF Interference (RFI)	9-7
	9.4	RF Exposure	9-11
	9.5	Mechanical Safety	9-17
10		Glossary	
11		Technician Class Exam Question Pool	

