



Smoky Mountain Amateur Radio Club

Technician License Course

Course Goals: The goal of this course is to educate interested persons in amateur radio. To help them obtain a technician license for the amateur radio service. To promote the hobby and local amateur radio clubs.

Method: Using the course of study in the ARRL *Ham Radio License Manual 4th Edition Technician Level*. Develop a webinars class using the Zoom meetings app and one classroom meeting. Offering an FCC license test by the Club's VEs at the completion of the classroom meeting.

Course Materials:

1. *The ARRL Ham Radio License Manual 4th Edition Level 1 Technician*. ISBN: 9789-1-62595-082-6 provided by course instructor with a \$25 paid fee, or you can order from <http://www.arrl.org/shop/Licensing-Education-and-Training/>
2. Power Points presentation and hand-outs for each lesson.
3. HF, VHF and UHF stations set up in a field day format.
4. Personal Protection Equipment
5. Soldering Station
6. Cleaning Supplies

Venue: The first 11 classes are webinars hosted by the instructors though Zoom Meeting App. The review with the exam sessions to follow will be held at Partnerships Christian Church, 323 Partnership Parkway Maryville Tn 37801.



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Date	Start	Stop		Program	Mins
Tuesday, March 2, 2021	20:00	20:10		1.1 What is Amateur Radio	0:10
	20:10	20:20		1.2 The FCC and Licensing	0:10
	20:20	20:30	Lesson 1	1.3 Amateur Radio Activities	0:10
	20:30	20:40		1.4 Getting Your Ham Radio License	0:10
	20:40	21:00		Metric System	0:20
Total Class Time					1:00
Thursday, March 4, 2021	20:00	21:00	Lesson 2	2.1 Radio Signals and Waves	1:00
	21:00	21:20		2.2 Radio Equipment Basics	0:20
Total Class Time					1:20
Tuesday, March 9, 2021	20:00	21:00		3.1 Electricity	1:00
Thursday, March 11, 2021	20:00	21:00	Lesson 3	3.2 Components and Units	1:00
Tuesday, March 16, 2021	20:00	21:00		3.3 Radio Circuits	1:00
Total Class Time					3:00
Thursday, March 18, 2021	20:00	20:30	Lesson 4	4.1 Propagation	0:30
	20:30	20:40		4.2 Antenna and Radio Wave Basics	0:10
	20:40	21:00		4.3 Feed Lines and SWR	0:20
	21:00	21:20		4.4 Practical Antenna Systems	0:20
Total Class Time					1:20
Tuesday, March 23, 2021	20:00	20:20	Lesson 5	5.1 Modulation	0:20
	20:20	20:30		5.2 Transmitters and Receivers	0:10
	20:30	20:40		5.3 Digital Communications	0:10
	20:40	21:00		5.4 Power Supplies and Batteries	0:20
Total Class Time					1:00



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Thursday, March 25, 2021	20:00	20:10	Lesson 6	6.1	Bands Plans	0:10
	20:10	20:20		6.2	Making Contacts	0:10
	20:20	20:30		6.3	Using Repeaters	0:10
	20:30	20:40		6.4	Nets	0:10
	20:40	20:50		6.5	Communications for Public Service	0:10
	20:50	21:00		6.6	Satellite Operating	0:10

Total Class Time 1:00

Tuesday, March 30, 2021	20:00	20:20	Lesson 7	7.1	Licensing Terms	0:20
	20:20	20:30		7.2	Bands and Privileges	0:10
	20:30	20:40		7.3	International Rules	0:10
	20:40	21:00		7.4	Call Signs	0:20

Total Class Time 1:00

Thursday, April 8, 2021	20:00	20:10	Lesson 8	8.1	Control Operators	0:10
	20:10	20:20		8.2	Identification	0:10
	20:20	20:30		8.3	Interference	0:10
	20:30	20:40		8.4	Third-party Communications	0:10
	20:40	20:50		8.5	Remote and Automatic Operations	0:10
	20:50	21:00		8.6	Prohibited Transmissions	0:10

Total Class Time 1:00

Tuesday, April 13, 2021	20:00	20:10	Lesson 9		Review	0:10
	20:10	20:20		9.1	Electrical Safety	0:10
	20:20	20:30		9.2	Managing RF in Your Station	0:10
	20:30	20:40		9.3	RF Interference (RFI)	0:10
	20:40	20:50		9.4	RF Exposure	0:10
	20:50	21:00		9.5	Mechanical Safety	0:10

Total Class Time 1:00



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Saturday, April 17, 2021	10:00	12:00	Review and exams	Course review	2:00
	12:00	12:45		Lunch	0:45
	13:00	15:00		VE Testing	2:00
				Total Class Time	6:45
				Total Course Time	10:40