

Ham Radio Technician License Course Outline

Tri-Lakes Monument Radio Association [A Colorado-registered 501(c)(3) organization]

Monument 2022 v1

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Course Objective:

This course has two objectives:

1. The student will be able to pass the FCC Technician License Exam (Element 2), qualifying for the first level FCC Amateur Radio License.
2. The student will have sufficient knowledge to operate an amateur radio station on the Technician frequency allocations above 50 MHz.

Philosophy:

This is a highly compressed course that depends on the focus and motivation of the student. Reading assignments must be done in advance of the classroom sessions. The classroom sessions are fast paced, covering a wide variety of material in a short time. The use of practice exams is very important for evaluating topic areas that need attention.

Reading Material:

Required: [HamRadioSchool.com Technician License Course](https://www.hamradioschool.com/technician-license-course) by Stu Turner, WØSTU (\$22.95).

Be sure you obtain the 2018-2022 question pool edition, as shown here.

Practice Exams

These online practice exams are extremely helpful for testing your knowledge:

Book Section Quizzes: <https://www.hamradioschool.com/section-quizzes>

35-question Practice Exams: <https://www.qrz.com/hamtest/>

<https://www.eham.net/exams/> <http://aa9pw.com>



HamRadioSchool.com Apps for Quizzing & Practice Exams

Some students have found great value in practice exam applications available on iPhone/iPad (iOS) and Android platforms. Apps are available for iOS and Android that complement the structure of the HamRadioSchool.Com book.

iOS: <http://itunes.apple.com/us/app/ham-radio-school/id534335131>

Android: <https://play.google.com/store/apps/details?id=com.peakprogramming.hamradioschool.technician&hl=en>

Online Zoom Meetings & Video Lessons

Logon information is the same for all three **Zoom meetings**. The meeting code will be distributed to registered students via email in advance of each session. Please be sure to test your Zoom meeting app for updates and to test your computer/internet for adequate performance with Zoom prior to this class.

Video lessons are hosted online. Students can begin viewing videos for Ch. 0 and Ch. 1 by going to: <https://hamradioschool.thinkific.com/courses/tech-course> (Click 'enroll for free' button and create an account to gain access.) Links for the other videos will be provided later.

SCHEDULE

Chapter	Topics	Inst	Pages	Time (min)	Comments
Video Lessons Pre-Session 1					
0	Before We Begin...	video	1 to 8	20	Watch video before class session 1.
1	Operating Your Radio	videos	9 to 28	65	Watch 3 videos before class session 1.
In-Person Session 1, Woodmoor Barn, Saturday April 2 1:00 – 5:00 pm					
	Welcome and Course Overview	Bob		15	1:00-1:15 Intros, schedule overview
1	Operating Your Radio Review / Q&A	Stu	9 to 28	30	1:15-1:45 Brief review and Q&A on Ch. Ø and Ch. 1 material.
2	FCC Rules & Regs	Tim	29 to 51	70	1:45-2:55 Ch. 2 coverage
	Break			10	2:55-3:05
3	Things to Do!	Bob	52 to 59	25	3:05-3:30 Ch. 3 coverage
4	Wavelength, Frequency & Bands	Bob	60 to 74	40	3:30 – 4:10 Ch. 4 coverage
	Break			10	4:10-4:20
5	Signal Propagation	Stu	75 to 82	40	4:20-5:00
Session Total				240	
Online Session 2 Sunday April 3 1:00 – 4:00 pm					
6	How Radio Works	Stu	83 to 107	50	1:00-1:50 Ch. 6 coverage
	Break			10	1:50-2:00
7	Antennas	Bob	108 to 128	60	2:00-3:00 Ch. 7 coverage
	Break			10	3:00-3:10
8	It's Electric!	Tim	129 to 148	50	3:10-4:00 Ch. 8 coverage
Session Total				180	
Online Session 3 Tuesday April 5 6:00 – 8:30 pm					
9	Hamtronics	Tim	149 to 164	60	6:00-7:00 Ch. 9 coverage
	Break			10	7:00-7:10
10	Digital Modes	Stu	165 to 172	40	7:10-7:50 Ch. 10 coverage
12	Avoiding Interference	Bob	180 to 192	40	7:50-8:30 Ch. 12 coverage
Session Total				150	
Video Lessons Pre-Session 4					
11	Space Contacts	video	173 to 179	35	Watch video before Session 4
13	Safety	video	193 to 209	40	Watch video before Session 4
In-Person Session 4, Woodmoor Barn, Saturday April 9 1:00 – 4:30 pm					
	Session 4 Kickoff	Bob		10	1:00-1:10 General pulse, Q&A
	Wrap Up	Bob		30	1:10-1:40 Radios/repeaters/club info
	Break			10	1:40-1:50
	Q&A Review	All	All Ch.	50	1:50-2:40 Question Pool Review
	Break			20	2:40-3:00 Setup for VE session
	VE Exam	VE team		90	3:00-4:30 VE session (exam)
Session Total				210	

Woodmoor Barn: 1691 Woodmoor Drive, Monument, CO 80132 [\[map link\]](#)

The Woodmoor Community Center Barn is located just northeast of the intersection of I-25 and SH105, near Woodmoor Lake. Take I-25 exit 161. Woodmoor Drive turns north just to the east side of I-25. The Barn will be on the right, enter at the stone sign for “Woodmoor.”