

# Ham Radio Technician License Course Outline

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Tri-Lakes Monument Radio Association [A Colorado-registered 501(c)(3) organization] April 2021 Web

## Instructors:

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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 student focus and motivation. 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 your learning needs.

## Registration Cost:

At the time of registration we require a **nonrefundable** payment of \$30 (\$20 for under 18) via PayPal, (PayPal accepts major debit/credit cards). *Note: This payment will not be refunded nor credited to future class offerings, so make sure of your plans before registering.*

## Reading Material:

**Required:** *HamRadioSchool.com Technician License Course* by Stu Turner, WØSTU (\$22.95)

Available direct from [Amazon](https://www.amazon.com) or via [HamRadioSchool.com](https://www.hamradioschool.com) links, or direct from Stu ([email](mailto:stu@hamradioschool.com) him).



## Practice Exams

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

HamRadioSchool Technician License Course Section Quizzes: [HamRadioSchool.com Tech Media & Quizzes](https://www.hamradioschool.com/TechMedia&Quizzes)

Other 35-question Practice Exam Sites: [QRZ.com](https://www.qrz.com) [eHam.net](https://www.eham.net) [AA9PW.com](https://www.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 each platform that complement the structure of the HamRadioSchool.com book.

[iOS Version \(iPhone\)](https://www.hamradioschool.com/iOSVersion) [Android Version](https://www.hamradioschool.com/AndroidVersion)

## Online Zoom Meetings

Logon information will be provided to registered students.

## SCHEDULE

Chapter	Topics	Inst	Pages	Time (min)	Comments
<b>Student Self-Study Before Session 1: Reading and Online Video</b>					
0	Before We Begin...	student	1 to 8	~40	Ch.Ø: Read & watch video (emailed link)
<b>Online Session 1 Saturday April 17 1:00 – 5:00 pm</b>					
	Welcome and Course Overview	Bob		15	Intros, schedule overview
1	Operating Your Radio	TBD	9 to 28	70	Brief Q&A on Ch. Ø first, if needed.
	Break			10	
2	FCC Rules & Regs	TBD	29 to 51	70	Includes Jeopardy review
3	Things to Do!	TBD	52 to 59	25	
	Break			10	
4	Wavelength, Frequency & Bands	TBD	60 to 74	40	
Session Total				240	
<b>Online Session 2 Sunday April 18 1:00 – 5:00 pm</b>					
	Session 2 Kickoff	TBD		10	Schedule overview
5	Signal Propagation	TBD	75 to 82	40	
	Break			10	
6	How Radio Works	TBD	83 to 107	50	
	Break			10	
7	Antennas	TBD	108 to 128	60	
	Break			10	
8	It's Electric!	TBD	129 to 148	50	
Session Total				240	
<b>Online Session 3 Saturday April 24 1:00 – 5:00 pm</b>					
	Session 3 Kickoff			10	Schedule overview; "How's it going?"
9	Hamtronics	TBD	149 to 164	60	
	Break			10	
10	Digital Modes	TBD	165 to 172	40	
11	Space Contacts	TBD	173 to 179	25	
	Break			10	
12	Avoiding Interference	TBD	180 to 192	35	
13	Safety	TBD	193 to 209	40	
	Wrap Up	TBD		10	
Session Total				240	
<b>Session 4 -- In Person Sunday April 25 1:00 – 4:35 pm <a href="#">1691 Woodmoor Drive, Monument, CO 80132</a></b>					
	Session 4 Kickoff	TBD		10	
	Wrap Up	Bob		30	Radios/repeaters/club info
	Break			10	
	Q&A Review	TBD	All Ch.	60	
	Break			15	Setup for VE examination session
	VE Exam	VE team		90	
Session Total				215	

The WØTLM Laurel VE Team will conduct the FCC license exam session. No fee is applicable. Bring a photo ID, pencil, and conventional calculator (no cell phone use allowed). Be sure you have obtained an FCC Registration Number (FRN) and registered for this session in advance at <https://w0t1m.com/exam-team>. See this web page for more info.