

Ham Radio Technician License Course Outline

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

Generic Rev 1

Instructors:

Bob Witte, KØNR	email: bob@k0nr.com
Stu Turner, WØSTU	email: stu.turner@comcast.net
Chip Fleming, KØCHP	email: chipfle@aol.com
Eric Worley WØRLY	email: eric.worley767@gmail.com
Joyce Witte, KØJJW	email: joyce@rwitte.com

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.

Registration Cost:

At the time of registration, we require a **nonrefundable** payment of \$30 (\$20 for under 18). Payment is made via Paypal, which also accepts major debit/credit cards. *Note that this payment will not be refunded and may not be 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)



Note: Be sure to get the 2018 – 2022 Third Edition shown here!

Available from:

[Amazon.com](https://www.amazon.com)

Or Ham Radio Outlet in Denver, Iliff Ave. <http://www.hamradio.com>

Practice Exams

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

Book Section Quizzes: http://www.hamradioschool.com/tech_media/

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

<http://www.eham.net/exams/> <http://aa9pw.com/radio/> <http://www.hamtesting.com/ptChoose.php>

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>

Day 1: First Saturday

Black Forest Fire Station 1, 11445 Teachout Rd, Colorado Springs, CO (Burgess Rd at Teachout Rd)

8:00 AM to 5:00 PM

Preparation: Read Chapters 0 - 7 of the *HamRadioSchool.com Technician License Course* book & take section quizzes.

Optional: Read the entire book and start taking online practice exams

We recommend you bring a sack lunch to class so we can have some discussion during the lunch break

Note: Specific section instructor may vary and start/end times are estimates:

Chapter	Topics	Instructor	Pages	Start Time	End Time
	Welcome and Course Overview	Bob		8:00	8:20
0	Before We Begin	Stu	1 to 8	8:20	9:00
	Break			9:00	9:10
1	Operating Your Radio	Bob	9 to 28	9:10	10:30
	Break			10:30	10:40
2	FCC Rules and Regs	Chip	29 to 51	10:40	11:55
	Lunch Break + discussion (bring a sack lunch)			11:55	12:55
3	Things to Do!	Bob	52 to 59	12:55	1:15
4	Wavelength, Frequency & Bands	Stu	60 to 74	1:15	1:45
	Break			1:45	2:00
5	Signal Propagation	Stu	75 to 82	2:00	2:30
6	How Radio Works	Chip	83 to 107	2:30	3:30
	Break			3:30	3:40
7	Antennas	Bob	108 to 128	3:40	4:40
	Day One Wrap Up	Stu		4:40	5:00

Day 2: Second Saturday

Black Forest Fire Station 1, 11445 Teachout Rd, Colorado Springs, CO (Burgess Rd at Teachout Rd)

8:00 AM to 5:00 PM

Preparation: Read Chapters 8 - 13 of HamRadioSchool.com Technician License Course book & take section quizzes.

Take practice exams (full 35 question representative exams, via *HamRadioSchool.com* app or web sites).

We recommend you bring a sack lunch to class so we can have some discussion during the lunch break

Chapter	Topics	Instructor	Pages	Start Time	End Time
	Introduction to Day 2	Eric		8:00	8:10
8	It's Electric!	Stu	129 to 148	8:10	8:50
9	Hamtronics	Bob	149 to 164	8:50	9:35
	Break			9:35	9:45
10	Digital Modes	Chip	165 to 172	9:45	10:20
11	Space Contacts	Stu	173 to 179	10:20	10:45
	Break			10:45	10:55
12	Avoiding Interference	Bob	180 to 192	10:55	11:35
13	Safety	Eric	193 to 209	11:35	12:25
	Lunch Break + review (bring a sack lunch)	All		12:25	1:25
	Review Session	Chip (w/all)		1:25	2:00
	Wrap Up	Bob		2:00	2:30
	Exam Session	VE Team		2:30	5:00

FCC Exam Session – End of Day 2

The *WØTLM Laurel VE Team* will conduct the FCC license exams. No fee is charged for this exam session. If you are not successful at this VE session, you may attend subsequent free Laurel VE (or other VEC with fee) exam sessions to retest. Identification Required: Photo ID (drivers license, student ID, military ID, passport) Students may bring a school ID and/or a written note from legal guardian.

A conventional calculator with the memory cleared is allowed (and recommended). No cell phone use is allowed. You may not bring any written notes or calculations into the exam session.

A Federal Registration Number (FRN) is required. Please see the [WØTLM License Exam Team web page](#) for info on registering with the FCC for your personal FRN prior to the exam. (URL: w0t1m.com)

Location

Black Forest Fire Station 1
11445 Teachout Road
Colorado Springs, Colorado 80908

This is near the intersection of Burgess Road and Teachout Road in the Black Forest area.

