

# Ham Radio Technician License Course Outline

## Hoodview Amature Radio Club

[www.wb7giw.org](http://www.wb7giw.org)

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### Instructors:

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### Course Objective:

This course has two objectives:

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

### Philosophy:

This is a highly compressed course that depends on the focus and motivation of the student. It is extremely beneficial if the sections/chapters have been read before the presentations. The classroom sessions are fast paced, covering a wide variety of material in a short time. The use of practice exams is very helpful for evaluating topic areas that need attention.

### Reading Material:

**Recommended:** [Ham Radio School Technician License Course](#) by Stu Turner, WØSTU  
Be sure you obtain the 2022-2026 question pool edition, as shown here.

### Practice Exams

Online practice exams are extremely helpful for testing your knowledge in preparation for the licensing exam (VE Testing):

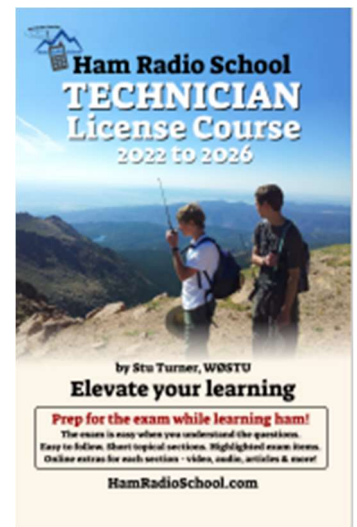
Some sites that have practice exams can be found at:

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

Some sites require an account registration to access exams. There are others available online as well. Please make sure they are updated to the 2022-2026 question pool.

### Other Considerations

With 30 minutes scheduled for lunch. It is recommended that you bring a lunch with you rather than going out to eat. We will also be available during this time to share/show some radios and other equipment that may interest you as well as answer questions that you may have.



## SCHEDULE (ish)

Chapter	Topics	Inst	Pages	Duration (min)(ish)	Comments / Start-End Time
<b>8:45 – 9:00</b>					
Meet and greet. Introductions					
0	Before We Begin...		1 to 8		
<b>9:00 am – 3:30 pm Day 1</b>					
	Welcome and Course Overview			15	<b>9:00-9:15</b> Intros, schedule overview
1	Operating Your Radio		9 to 28	90	<b>9:15-10:45</b>
	Break			10	<b>10:45-10:55</b>
2	FCC Rules & Regs		29 to 45	70	<b>10:55-12:05</b>
	<b>Lunch Break</b>			30	<b>12:05-12:35</b>
3	Things to Do!		47 to 51	30	<b>12:35-1:05</b>
4	Wavelength, Frequency & Bands		52 to 64	45	<b>1:05-1:50</b>
	Break			10	<b>1:50-2:00</b>
5	Signal Propagation		65 to 72	35	<b>2:00-2:35</b>
6	Processing Signals		73 to 83	50	<b>2:35-3:25</b>
	Q&A (all material to date)				
<b>9:00 am – 3:30 pm Day 2</b>					
7	Antennas		85 to 104	65	<b>9:00-10:05</b>
8	It's Electric!		105 to 124	50	<b>10:05-10:55</b>
	Break			10	<b>10:55-11:05</b>
9	Hamtronics		125 to 140	60	<b>11:05-12:05</b>
	Lunch Break			30	12:05-12:35
10	Digital Modes		141 to 148	45	12:35-1:20
???	Ch-10 Q&A, digital demos			30	<b>9:00-9:30</b> (DMR & Echolink Demos)
11	Space Contacts		149 to 155	35	<b>1:20-1:55</b>
	Break			10	<b>1:55-2:05</b>
12	Avoiding Interference		156 to 165	35	<b>2:05-2:40</b>
13	Safety		167 to 183	40	<b>2:40-3:20</b>
	Review Q&A				<b>3:20-</b>

### VE (Volunteer Examiner) Test Session

### Hoodview ARC Test Session November 16<sup>th</sup> 2024

- There is a \$15 fee charged for the license examination.
- Please create an account on the FCC website and **obtain an FRN number**. It is required to have this before testing.
- The FCC charges a \$35 license application processing fee to be paid online within 10 days of passing the exam.
- Bring to the exam: 1) photo ID, 2) pencil, 3) conventional calculator (no cell phone use allowed).
- Please register in advance for the exam session at [www.wb7qiw.org](http://www.wb7qiw.org)