

Amateur Radio Technician License Preparation Class

Via Zoom – August 21, 2024

Purpose: The purpose of this class is to prepare you to pass the test for the entry-level Technician Class Amateur Radio License and be able to assist as a communicator with disaster relief activities. If you're not interested in disaster relief, this will still be a good introduction to a wonderful life-long hobby. There is much more that you will want and need to learn to become a competent radio operator and to enjoy Amateur Radio as a service activity and hobby. That additional knowledge and experience can be gained after you have received your license through operation, additional classes, or working with an "Elmer."

American Radio Relay League (ARRL): We encourage you to join the ARRL (arrl.net). This is a national organization of radio amateurs which works to protect our frequencies and operating privileges and provides our Volunteer Examiner (VE) service for exams. The cost is very reasonable and you get a great monthly magazine ("QST") with technical, operating, equipment reviews, and general interest features for hams. You can also choose to receive a monthly magazine ("On the Air") that contains subjects to help new hams.

Reference: You will be provided, by email, with the Technician License question pool and numerous other reference materials throughout this course to assist you in preparing for the exam.

Schedule: This class will be conducted virtually via Zoom. You will be provided with an invitation that contains a link to the Zoom site before each class. **All classes will begin promptly at 6:30 p.m.** and we suggest that you check in 5 minutes before class starts. Here is what will be covered:

<u>Date</u>	<u>Subelement</u>	<u>Subject</u>	<u>Instructor</u>
8/21/2024	Introduction	Course overview	Doug
8/23/2024	T1	Commission's Rules	Jim
8/28/2024	T2	Operating Procedures	Doug
8/30/2024	T3	Radio Wave Propagation	Jim
9/4/2024	T4	Amateur Radio Practices	Doug
9/6/2024	T5	Electrical Principles	Jim
9/11/2024	T6	Electronic and Electrical Components	Doug
9/13/2024	T7	Practical Circuits	Jim
9/18/2024	T8	Signals and Emissions	Doug
9/20/2024	T9	Antennas and Feed Lines	Jim
	T10	Power Circuits and Hazards	
9/25/2024	Review	Review; buying your first radio	Doug

Taking the exam: When you have completed this class, you may either take the exam virtually or in-person. To register for the virtual examination, go to www.hameducationhi.org. You will receive instructions when you register. We will inform you of where and when you can take your exam in-person. There is a \$15 administration fee to take the exam. **You will also need an FCC Registration Number (FRN), which you can obtain at <https://apps.fcc.gov/coresWeb/publicHome.do>**. Also, **you will have 10 calendar days**, from the date your application has been received by the FCC to pay their \$35 processing fee. Go to the FCC website to pay this fee.

The trainers for this class will be:

Doug Wilson, KH7DQ, Amateur Extra Class, ARRL Registered Instructor
Ph. (808) 985-9362
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Jim Tatar, WH6EMN, Amateur Extra Class
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It's up to you: Experience has shown that those who are successful on the exam are those who attend class regularly and study outside of class using the study aids provided and available on the internet.

For online test practice, we recommend three sources

<http://qrz.com>. This site generates practice tests and gives you immediate feedback on questions answered correctly or incorrectly. It keeps track of which of the 423 possible questions that you may encounter on your test that you have seen. On the home page click the "Resources" drop down tab at the top of the page and select "Practice Amateur Radio Exams." You will need to register to use this. You won't have a Call Sign yet, so register with another username. You can change it to your Call Sign later. You need a valid, working email address to complete registration. Make sure that you select the "2018 Technician Exam Practice Test" when using this tool to practice. This site becomes more valuable after about the third session when you have been exposed to most of the material. <http://eham.net/exams>. This site also generates practice tests and gives you feedback after you have completed answering all 35 questions. At the end of the test it gives you the answers you got right and for those that you missed it gives you the correct answers. No registration is required to use this site.

<http://hamstudy.org>. This site offers several study features including "Study Flash Cards", "Read Questions" and "Practice Test." Although the site asks you to log in, you can click on "Continue as Guest" without having to register.

Ask us:

As you study, keep track of the things you don't understand and ask them in class. Also feel free to email or call us at any time with questions.

It's a new language. In many ways, learning the material for the amateur radio exam is like learning a new language. You will hear words and terms that sound familiar but which may have a different meaning in this context. There will be concepts that will be new to you, unless you have a technical background. Don't feel alone. Everybody feels as lost as you do. Help everyone in the class by asking the things that puzzle you during our class sessions.