

AMATEUR RADIO TECHNICIAN CLASS LICENSE COURSE February 2021

Welcome to the world of Amateur Radio! We hope that you will enjoy this class, and take the opportunity to ask questions, and learn a bit about the theory, the equipment, communications benefits and FUN of Amateur Radio, AND become licensed Amateur Radio operators!

There are more than 4,600,000 licensed amateur radio operators (aka HAMS) around the world, including more than 748,000 in the United States alone! You must be licensed by the Federal Communications Commission (FCC) before speaking on an Amateur Radio. All amateur radio operators are required to demonstrate that they understand the rules, regulations, and the international frequency assignments placed on amateur radio and pass an exam given by licensed Volunteer Examiners.

Morse Code is no longer a requirement for licensing, so if the thought of passing the “Code Test” has been holding you back – fear no more! Although it is no longer a requirement, Morse code is becoming increasingly popular again – maybe because the pressure is off?!!!

There are three license classes in the U.S.:

- Technician Class- the entry level class – *you* are here
- General Class – the next level, which allows extended use on “High Frequency” (HF) radio. This opens the door to communicating beyond the limitations of the Technician Class, as operators communicate both locally and around the world!
- Amateur Extra Class – the highest level, with a wider range that can be used to communicate around the globe!

Details:

- **Pre-registration is required**
- **Pre-study materials will be distributed prior to the class. Pre-study is required if you are to be successful in passing the licensing exam that will be offered at the end of the course.**
- Open to those interested in earning an Amateur Radio License - min 6/max 20 students
- 3 full-day Saturday classes
- Location: Dickson County Emergency Operations Center
- 284 Cowan Rd.
- Dickson, TN 37055
- A licensing Exam will be offered to the participants on the 3rd Saturday

Course Materials:

- **Students must prepare in advance by completing pre-study materials that will be provided when they pick up their books.** The class has been reduced to 2 1/2 days plus exam time because of the pre-study offering.
- Gordon West 2018-2022 Technician Class FCC Element 2 Amateur Radio License Preparation book and related training materials.
- The cost of the books is based on the number of books purchased. Maximum cost is \$25 plus shipping and handling. Additional materials are provided at no cost when we are able to order in bulk.
- This book provides the entire question pool for the Technician Class License exam – and the answers! Only 35 of the questions will be on the exam

Class Details:

- Three Saturdays: February 13, 20, and 27, 2021
- **Attendance at ALL THREE SESSIONS is required**
- Complete the study guide provided with your textbook prior to the start of the first class
- Demos, equipment displays and a look at our on-site Radio Room and equipment will be held throughout the class sessions
- Service through your local Amateur Radio Emergency Services (ARES) Groups
- Topics Day 1:
 - About Ham Radio
 - Call Signs
 - Control
 - Mind the Rules
 - Tech Frequencies
 - Your First Radio
 - Going Solo
 - Repeaters
 - Emergency!
 - Weak Signal Propagation
 - Talk to Outer Space!
- Topics Day 2:
 - Your Computer Goes Ham Digital!
 - Multi-Mode Radio Excitement
 - Run Some Interference Protection
 - Electrons – Go With the Flow!
 - It's the Law, per Mr. Ohm!
 - Picture This!
- Topics Day 3:
 - Antennas
 - Feed Me With Some Good Coax!
 - Safety First!
 - Additional Questions– before the Exam
 - Area Clubs and “Elmers”
 - Emergency Communications
 - Contesting
 - TECHNICIAN CLASS LICENSING EXAM

Licensing Exam

- The licensing exam will be offered the afternoon of the third day of class.
- Exam fees are \$15 per test, cash at the time of the exam and are passed through to the Volunteer Examiner group to cover your FCC licensing fees and related charges.
- You will know if you passed before you leave the exam room!

About your instructors: All hold Extra Level License

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