

Amateur Radio Technician License Class – April 11 & 18, 2026

The Hughes Amateur Radio Club and the El Segundo Amateur Radio Group are pleased to be offering an amateur radio technician license class.

Key Items:

- Saturdays, April 11 and 18; 8AM - 5PM
El Segundo Fire Station #2, Classroom, 2261 E Mariposa Ave, El Segundo, CA 90245
- Register in the FCC CORES system for an FCC Registration Number (FRN)
<https://apps.fcc.gov/cores/userLogin.do>
- Bring a lunch with you.

Details:

The class will cover what you need to know to earn your Technician Level license: FCC regulations, radio operation, math, electrical laws, antennas, and safety. Both days will start at 8AM and end at about 5PM. The license test will be held at 3:30PM on the second Saturday. To pass the test, you will need to correctly answer 26 out of 35 questions (chosen from a test bank of ~400 questions).

Class Time: Saturdays, April 11 and 18; 8AM - 5PM

License test will be at 4PM or earlier on the second Saturday

Cost: Class: Free

License test fee: \$15 (\$5 if less than 18 years old) — Paid on examination day

FCC license fee: \$35 paid to FCC after you pass the exam. (If less than 18 years old, grants are available from ARRL)

Location: El Segundo Fire Station #2, Classroom, 2261 E Mariposa Ave, El Segundo, CA 90245

East Mariposa Ave between Nash & Douglas Streets

Across from Campus El Segundo and the Post Office

Lunch: Bring your own sack lunch for the day – we will have breaks, but not enough to go out for lunch.

Preparation: **Required**; Register in the FCC CORES system and receive a FCC Registration Number (FRN) before exam day. Go to the FCC CORES User Account and Registration page:
<https://apps.fcc.gov/cores/userLogin.do>

Optional: Get the *ARRL Tech Q&A* 8th Edition and read before the class. This covers all the questions with brief explanations. The class will review all the questions.

ISBN: 978-1-62595-160-1 (arrl.org or Amazon are some sources, ~\$15)

ARRL Ham Radio License Manual, 5th Edition and read before class. This goes into more depth about the questions and has additional information for new ham operators. There's no reason to get both books.

ISBN: 978-1-62595-156-4 (arrl.org or Amazon are some sources, ~\$33)

ARRL's Free Companion course on the ARRL Youtube Channel: Dave Casler TechnicianLicense Series.

The technician license provides FCC authorization to use radio frequencies mainly in the VHF, UHF and higher frequencies, useful for hand held radios, more powerful mobile and fixed station radios commonly used for emergency communications, group coordination, health and safety operations and radio sports.

Preparation:

You may get one of the optional books to prepare. There are also on-line practice tests available.

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The class will cover the same material and provide a chance to ask questions. Before the second class session you will want to get a Federal Registration Number (FRN) (avoids using your Social Security number). For test day you will also need to bring a photo id. Details on both of these are in the manual and will be discussed in the first week.

Agenda:

There is much material to cover in the class including regulations, math electrical laws, radio theory, types of equipment and safety. The instructors will be using PowerPoint slides augmented with radio gear displays and demonstrations to ensure students understand the material for the test. Typically, a few weeks after you have your new call sign issued by the FCC, we will hold a “skills day” in a local park to give each new HAM a chance to learn how to program their radios, practice making radio contacts, and fill in any remaining knowledge gaps.

Module	Title	Day	Time
—	Introduction and Administrative	April 11	8:00 AM
1	Welcome to Amateur Radio	April 11	8:10 AM
2	Radio and Signals Fundamentals	April 11	8:30 AM
—	Break	April 11	9:15 AM
3	Electricity, Components, and Circuits	April 11	9:30 AM
—	Lunch	April 11	12:00 PM
4	Propagation, Antennas, and Feed Lines	April 11	12:45 PM
—	Break	April 11	2:45 PM
5	Amateur Radio Equipment	April 11	3:00 PM
6	Communicating with Other Hams	April 18	8:15 AM
—	Break	April 18	9:30 AM
7	Licensing Regulations	April 18	9:45 AM
8	Operating Regulations	April 18	10:30 PM
—	Lunch	April 18	12:00 PM
9	Safety	April 18	12:45 PM
—	Questions and Review	April 18	2:00 PM
—	Testing	April 18	3:30 PM

Summary:

In our previous classes all of our participants have earned their license. There is much to learn because of the broad privileges you will have as a licensed Amateur Radio Operator. This will be a fast moving class, but we will take the time required to help you learn.

If you have any questions or have a change of plans, please contact Tom Russ at taruss2000+Ham@gmail.com, 424-206-3019. We are looking forward to meeting you.

Tom Russ KJ6CLV