



ARRL Ham Radio

Technician Class License Course

Presented by the Huntsville Amateur Radio Club®

Classes begin on Friday January 12th, 2018

At the Red Cross, 1101 Washington St. NW, Huntsville, AL

Classes held twice a week on Tuesday and Friday from

6:00 PM to 7:30 PM for 10 weeks.

Course Overview

- Welcome to Amateur Radio
- Radio and Signal Fundamentals
- Electricity, Components, and Circuits
- Propagation, Antennas, and Feed Lines
- Amateur Radio Equipment
- Communicating With Other Hams
- Licensing Regulations
- Operating Regulations
- Safety

Required Manual: ARRL Ham Radio License Manual, 3rd Edition

Order from the ARRL for \$29.95 at <https://www.arrl.org/shop/Licensing-Education-and-Training/>

OR

Order from Amazon for \$28.45 at [https://smile.amazon.com/s/ref=nb_sb_ss_i_3_4?url=search-](https://smile.amazon.com/s/ref=nb_sb_ss_i_3_4?url=search-alias%3Daps&field-)

[alias%3Daps&field-](https://smile.amazon.com/s/ref=nb_sb_ss_i_3_4?url=search-alias%3Daps&field-)

[keywords=ham+radio+license+manual&srefix=Ham+%2Caps%2C205&crd=39HB13GAC6D92](https://smile.amazon.com/s/ref=nb_sb_ss_i_3_4?url=search-alias%3Daps&field-keywords=ham+radio+license+manual&srefix=Ham+%2Caps%2C205&crd=39HB13GAC6D92)

Register for the ARRL Ham Radio Technician Class Course by sending an email to treasurer@harc.net. Please write "Technician Class" on the email Subject line.

Please include your name, phone number, and email address in your registration email.

Huntsville Amateur Radio Club®

Technician Class

Schedule and Syllabus

The goals of the 10 week Technician Class License Course are to:

- Prepare new students of Amateur Radio for the Entrance Level Technician Exam
- Learn and understand basic concepts of radio science and electronics at an introductory level
- Gain a fundamental understanding of radio technology
- Learn the Federal Communications Commission Rules and Regulations governing Amateur Radio

This course will use Amateur Radio Relay League (ARRL) course materials. Each Student will need to purchase the ARRL Ham Radio License Manual **3rd Edition**. Each student should order a copy of the ARRL Ham Radio License Manual **3rd Edition** online at <http://www.arrl.org/shop/Beginners/>. The cost of the manual is \$29.95 plus shipping & handling.

Please order your copy of the ARRL Ham Radio License Manual **3rd Edition** at least two weeks in advance of the first day of class. This will insure that you have your manual in time for the first class.

The Huntsville Amateur Radio Club® requests a donation of \$12 per student to help cover the incidental costs of presenting this course.

1/12/17 - Lesson Module 1: Welcome to Amateur Radio Lesson

1/16/17 - Module 2: Radio Waves and Signals

1/19/17 - Lesson Module 3: Modulation & Bandwidth Lesson

1/23/17 - Module 4: Electricity

1/26/17 - Lesson Module 5: Ohm's Law, Power and the Metric System Lesson

1/30/17 - Module 6: Electronic Components

2/2/17 - Lesson Module 7: Types of Radio Circuits Lesson

2/6/17 - Module 8: Propagation

2/9/17 - Lesson Module 9: Antennas and Feed Lines Lesson

2/13/17 - Module 10: Practical Antenna Systems

2/16/17 - Lesson Module 11: Basic Amateur Radio Station Equipment Lesson

2/20/17 - Module 12: Power Sources and Interference

2/23/17 - Lesson Module 13: Communicating with Other Hams, Part 1 Lesson

2/27/17 - Module 14: Communicating with Other Hams, Part 2 Lesson Module 15:

3/2/17 - License Regulations and License Privileges Lesson Module 16: Call Signs
and Operating Regulations,

3/6/17 - Part 1 Lesson Module 17: Call Signs and Operating Regulations, Part 2

3/9/17 - Lesson Module 18: Safety and Amateur Radio

3/13/17 – Optional Review

3/16/17 – Optional Review