

Weekend Electronics/Radio Communications “Immersion Course”

Sat Nov 4 (8 AM), Sun Nov 5 (1 PM), 2017

Santa Fe College, Building S, Room 29 (S-29)

in conjunction with the Santa Fe College Amateur Radio Society K4EAC
and Alachua County Amateur Radio Emergency Service

Come join us for an intensive 2-day blast of knowledge of all things radio & electronics, which will help prepare you to take and pass your Technician Amateur Radio license at the next volunteer testing, December 2th.

We will use multiple *youTube* teaching videos that cover the Technician FCC license elements. Perhaps for the first time, MegaHertz and “skip” and Single Side Band will all start to make sense as you learn the history of Radio. We’ll add hands-on at every possible chance – you’ll be on the radio (under licensed supervision), you’ll be using a voltmeter, ammeter and ohmmeter like a pro, you’ll build, test and tune your very own 2-meter antenna, and by the end of the weekend, Ohm’s Law will be your friend. Cables, signals, FM, AM, “linears” – you’ll know it all. CB, marine, weather – you’ll be ready for any radio or TV signal, having used all kinds of test equipment that normally, only Electrical Engineers ever see.

Schedule: Start at 0800 on Saturday, take frequent breaks, we’ll bring in “take-out” for lunch, power through the afternoon, more take-out for supper and break in the early evening. Regroup after church at 1 PM on Sunday, and finish up by 7 PM Sunday evening. All the questions (and answers!) are freely published, so with a bit of review, you should be able to pass the multiple choice (*no Morse Code!*) ham radio test, the next time the local club offers it. We might even finish early.

You’ll go home with the following: (which is why there is a cost..... to cover it)

- 1) A pre-programmed software-defined Baofeng VHF/UHF ham radio, marine, weather 4-watt actual handheld transceiver fully capable of simplex or repeater communications on the Gainesville repeaters (with which you’ll be very familiar!).
- 2) Your very own volt/am/ohmmeter (multimeter) – which you’ll know how to use to test batteries, circuits & more.
- 3) Your very own half-wave 2-meter external ham radio antenna – that you yourself soldered or crimped, stripped, cut, and tuned. This will boost your 2-meter signal far more than the rubber duckie antenna standard on your transceiver.
- 4) A head FULL of new-found knowledge.

COSTS: \$45 each, for the radio part, plus \$10 for pizza & sandwiches (or bring your own)

Advantages: This will be a great way to solidify your electricity / electronics knowledge, and also a chance for teens to dip their toes in a possible career or avocation.

Directions: On the Santa Fe College campus go to Building S, Room 29. It is right next to the bus stop. <https://www.sfcollge.edu/Assets/sf/locations/maps/northwest%20campus%20information.pdf>

-----REGISTRATION-----

You don't have to pre-register --- you can just show up Saturday Nov 4th, but it would help if you called or emailed so we know how many radios to purchase. (352) 331-6639, or docvacuumtubes@gmail.com