

Radio Science: Hey, all! We are getting geared up to start our second semester of Radio Science for this year. We are offering three classes this semester. All of the classes will be held for 10 weeks at the Life in Christ Church (<http://lifegoldenisles.church/>), 1224 Chapel Crossing Rd, Brunswick, 31525. The church is located across the street from the FLETC main gate. We will not hold classes the week of April 5th for Spring Break. The course fees are payable on the first day of class either by cash, check (to CGRSA), or PayPal (wayne.greene@cgrsa.org).

Amateur Radio Technician Class Licensing: If you have ever wanted to get your amateur radio license, then there is no better time than now! This program will run on Monday evenings beginning, February 22nd. We will be using the 2018-2022 Technician Class Book by Gordon West. Please purchase the text prior to the beginning of the class. You can find it from the W5YI group: https://www.w5yi.org/catalog_details.php?pid=79&sort=4 or from Amazon: <https://www.amazon.com/2018-2022-Technician-Class-Gordon-West/dp/0945053908>. The cost for attending the class is \$50.00/student. We will conduct a testing session at the end of the semester and will cost \$14.00 per tester and is not payable until the day of testing.

Hams in Space!: This is one of our most popular programs. We built this course for those brand new operators who have passed their Technician Class license exam; however, any amateur radio operator, regardless of their license class, is welcome to participate. This is a VERY hands-on and fun class! In this 10-week class, each student will build their own 2 meter ground plane antenna and a computer interface circuit that will add digital mode capabilities to the student's handheld radio, to include packet radio, APRS, PSK31, and Slow Scan Television. We will also learn how to make voice and data contacts with other operators all over the U.S., Central and South America, and Canada via amateur radio satellites and the amateur radio equipment aboard the International Space Station. We will hold at least one Saturday or Sunday session at a location other than the Life in Christ Church so the students can get the opportunity to make a contact via a satellite or the ISS. The students will also be introduced to many other facets of amateur radio throughout the course. The cost of this class comes with options. Each student must be a licensed amateur radio operator with their own radio. The preferred radio for this class is any of the Baofeng radios. We prefer this radio as the circuits we will be building interface with it. The cost for the class, to include the purchase of a radio, is \$351.19 (this includes the \$50/student to attend the program). You have the option of purchasing your own radio, however. If you prefer that option, then the course will cost \$288.30/student. For families with more than one member attending the course, you will have the option of sharing the purchased equipment; thus the cost for one family member will either be the with radio or without radio option and only \$50.00 per student for all other family members. Your students will leave this class with confidence, some really cool gear, and software. This class will be held on Thursday nights from 5:30pm to 7:00pm beginning February 25th. It is very important that we have a student count prior to the start of this class in order to facilitate the purchase of equipment. With that said, please let me know, whether by email or text, how many students from your family plans to attend and which of the cost options best suits your needs. My contact information can be found at the end of this post.

Weather Buoy, Part 2: This is the follow on class for those who started this program in the first semester. Our goal is to complete our amateur radio APRS enabled weather buoy, deploy it, and start collecting and analyzing the data from our buoy's water and air temperature sensors, barometric pressure sensor, battery life sensor, and GPS. We are going to have a busy semester in this class. We have a lot of work ahead of us. This class will be held on Thursday evenings beginning February 25th, from 7:30pm to 9:00pm.

Please do not hesitate to reach out to me if you have any questions. I can be reached by email: wayne.greene489@gmail.com or wayne.greene@cgrsa.org. Or by cell/text at 703-863-9713.

Blessings and best of 73s!

Wayne KB4DSF