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**BROOKHAVEN**  
NATIONAL LABORATORY  
**AMATEUR RADIO CLUB**



## Technician License Class

The BNL Amateur Radio Club will be holding a multi-week course where you can learn everything you need to earn your Technician (Entry Level) FCC **Amateur Radio License**.

The Technician license is your gateway to the world-wide excitement of Amateur Radio...

... and no you do NOT need to learn Morse Code!

Classes begin on September 9th, 2013 at noon in the Building 515, ITD Seminar Room. Classes will meet on Monday, Wednesday and Friday during the lunch hour. Brown bag lunches are welcome.

Registration is required!

### What You Will Learn

- The exciting world of Amateur Radio
- Radio and Signal Fundamentals
- Electricity, components and circuits
- Antennas and Radio Propagation
- Amateur Equipment
- Licensing Regulations
- Operating Regulations
- Electrical Safety
- and much more!

For Information Contact : Gary Stevens (KD5SFQ) at extension 7779 or email [gstevens@bnl.gov](mailto:gstevens@bnl.gov)



When it comes to reliable communications, nothing comes close to Amateur Radio (Ham Radio). The bands allocated for amateur operators span across HF, VHF and UHF. This makes it possible to talk to others around the globe and even beyond. There are amateur satellites orbiting the earth and even an amateur station onboard the International Space Station.

Indeed, what other hobby can boast that you can actually talk to astronauts as they orbit the earth or bounce a signal off the moon and talk to someone else 12,000 miles away?

Until recently many would be HAMS shunned away from the hobby because of the Morse Code requirements and the high cost of equipment. The good news is that this has all changed.

Morse code is now optional and not a requirement for any license class. A new generation of low cost hand held transceivers facilitate beginners to enjoy communications for as little as \$40 including tax and shipping.

So for less than \$50, and an FCC Amateur License with Technician privileges and you could actually talk to the International Space Station Crew, have emergency communications even when the cell towers are down, and make many new friends. What can be better than that?

### Register Today!

The class is offered free for all lab employees both on and off site. It will be held during Lunch in Building 515 on the second floor ITD Seminar Room. It will run from September 9th until November 18th. During the last class, the FCC exam

will be administrated. A passing grade of 74% is required to be awarded a license. There is no limit as to the number of times you can take the exam but each exam is derived from a poll of questions and therefore different.

We will be using "The ARRL Ham Radio License Manual" (Second Edition) as a textbook for this course. Although it is not a requirement for the course it is highly recommended. It also comes with a CD with Practice Exams derived from that actual question pool. It is available online as well as in local bookstores.



**GARY STEVENS (KD5SFQ,)** the primary instructor for this class, has been involved in Amateur Radio since 2002. He holds an FCC Amateur Radio License with General operator privileges. He was active in SKYWARN in Houston during several hurricanes. He is currently involved with the Smithtown Radio Amateur Civil Emergency Services and is the current Secretary of the Brookhaven National Laboratory Amateur Radio Club. He works in the Information Technology Division as a Senior Technology Engineer in the Linux Group.

To Register Contact : Gary Stevens (KD5SFQ) at extension 7779 or email [gstevens@bnl.gov](mailto:gstevens@bnl.gov)