

# GENERAL CLASS LICENSE PREPARATION

## General Class License Preparation

Instructor: Dick Grote K6PBF [k6pbfDick@gmail.com](mailto:k6pbfDick@gmail.com)

Class I: Electrical Principles and Circuit Components: Elements G5, G6  
November 18, 2017 at 7pm Login available at 6:40pm

Class II: Practical Circuits and Signals and Emissions: Elements G7, G8  
December 2, 2017 at 7pm Login available at 6:40pm

Class III: Antennas and Safety: G9, G0  
December 14, 2017 at 7pm Login available at 6:40pm

Textbook: ARRL General Class License Manual (recommended) and/or ARRL  
General Q&A

Class length: 1½ hours on line presentation

The goal of these sessions is to get a Technician class ham ready to pass 6 of the 10 subsections of the General Class test. If one reviews the General Class pool, it becomes apparent that the questions cover a broad area and in some cases are quite specific. Our intention is to present enough theory so that concepts can be understood, but focused sufficiently so that the student is prepared to pass the test. Most of the pool questions will be specifically addressed.

Due to the scope of the material, the classes will be largely lecture style with many Power Point slides prepared to help our way through the material. I am very happy to handle any and all questions off-line.

The material includes:

- Class I: Ohms' law, power, reactance and impedance, series and parallel circuits, the dB, passive components, active components.
- Class II: Rectifiers, filters, oscillators, amplifiers, receivers and their building block elements, transmitters and their building block elements, modulation
- Class III: Feed lines, antenna basics, SWR, impedance matching, resonate antennas, other antennas, safety: electrical, RF, and outdoor.

I bought my first ARRL Handbook in 1960 and it motivated me to a career in electrical engineering, but I didn't actually get my license until 2012. So it wasn't too long ago that I was studying for this test too.

Please register at the NCDXC website: [ncdxc.com](http://ncdxc.com). Click on the Elmer project tab. If you have any questions, feel free to contact me before we start.