

GENERAL AMATEUR RADIO LICENSE CLASS

Based on the new General license question pools as of July 1st, 2007*

**STARTING Saturday, July 24th 2010, 10AM to 1:00PM at the
Arizona Science Center Boardroom "A"
(600 E. Washington St, downtown Phoenix)**

Instructor: Bob Burleson, KG7QJ

July 24th – September 11th, 10:00am - 1:00pm
Seven 3-hour Sessions: VE Test at the Arizona Science Center.

To register call Bob, KG7QJ, at 480-961-1109

or

E-Mail: kg7qj@cox.net.

Fee: \$10

Required text "ARRL General Class License Manual", 6th Edition, will be available from the instructors at the first class for \$20. The fee for the FCC Amateur License test at the end of the class is \$15

Sign up today to upgrade to the General class license! Class material is based on the ARRL book "General Class License Manual" (6th edition) containing the new General license question pools as of July 1st 2007

Morse code is no longer required for the General class license.

"Hams" with the General class Amateur Radio license have privileges on all Amateur bands. Communicate with other Amateur Operators all over the world! You can operate CW, PSK31, SSB, AM voice, FM voice (on 10 meters and above), Amateur TV, Packet, Satellite, and many other modes.

The **General amateur radio license written test session** will be available **at the last class Saturday 9/11/2009. Note: no class Labor Day weekend.** Other VE testing opportunities will be announced. If you are interested in upgrading to the Amateur General Class license contact Bob, KG7QJ at 480-961-1109 or E-Mail kg7qj@cox.net.

Over for Class outline

General License Class Outline

For more information contact Bob Burlison, KG7QJ, at 480-961-1109 or e-mail at kg7qj@cox.net

Class #1 7/24 (Board Room "A")

Introduction, General Class & Amateur Radio, How to Use the Manual, Upgrade, Rules & Regulations, Regulatory Bodies, Amateur Licensing Rules, Control Operator, Frequency Privileges.

Class #2 7/31 (Board Room "A")

Operating Procedures & Practices, HF Operating, Digital Modes, Nets & Emergency Ops, Technical Rules & Standards, HF Station Installation

Class #3 8/7 (Board Room "A")

Practical Electronics, Components & Circuits Review, Power Amplifiers, Power Measurement, Using Test Equipment, RFI, TVI, PEP calculations. Ohm's Law & Resistance calculations, Kirchhoff's laws, AC Voltage, RMS, Impedance, Reactance, Transformers, Power Calculations, dB, Semiconductor Components, Practical Circuits,

Class #4 8/14 (Board Room "A")

Electrical Principles, Radio Signals & Equipment, Signal Review, Radio Building Blocks, Transmitter Structure, Receiver Structure

Class #5 8/21 (Board Room "A")

Antennas, Dipole, Ground Plane, & Random Wire, Yagi Antennas, Loop Antennas Specialized Antennas, SWR, Feed Lines. **RF Safety**: RF Rules and Guidelines, Max Permissible RF Exposure, Station RF evaluation, Outdoor Safety, Safety in the Ham Shack, Electrical Wiring Safety, Safe Station Layout. RF Safety

Class #6 8/28 (Board Room "A")

Radio Propagation, Types of Radio Propagation, Ionosphere, Critical Frequency, MUF, Scatter Modes, Solar Flux, HF Beacons, DX, Signals and Emissions. Testing Hints.

No Class Saturday 9/4 Labor Day Weekend

Test Session Saturday 9/11

AZ Science Center Board Room "A"

Amateur License Testing 10:00 AM. ARRL VE fee is \$15

Hamfests

ARRL AZ State Convention & Hamfest, Williams AZ 7/16-7/17 2009

Amateur License Exam Info:

1 st Sat	DeVry/West Valley	David, N7TWT	(623) 925-0680
3 rd Mon	AZ DESERT 10-10	Steve, KY7W	(480) 804-1469
4 th Sat	AARC [Must pre-register]	Gary, K7GH	(602) 996-8148