

AVT 142: Electronic Communications

This course provides instruction in basic principles of electronic communications, including AM, FM, and SSB receiver, transmitter and transceiver theory, antennas, transmission lines, and wave propagation. Emphasis is placed on communications circuits used in amplitude modulation, frequency modulation, and single-side band receiver/transmitter. This course further develops the student's diagnostic, troubleshooting, and repair skills. Upon completion, students will be able to align, troubleshoot, and repair basic receivers. Students also will gain a working knowledge of antennas, frequency spectrum, and wave propagation.

Credits: 4

Lab Hours: 9

Lecture Hours: 1

Clinical Hours: 0

Prerequisites: **AVT 121 AVT 131**