

# ELECTRONIC ENGINEERING TEC (EET)

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**EET 1084 Introduction to Electronics****Credit Hours:** 3

This course provides an introduction to the basic fundamentals, terminology, and applications used in the electronics industry. Topics include circuit theory principles for simple series and parallel circuit. Capacitance, inductance, transformers, and semiconductor diodes are also discussed in this course.

**EET 2324 Electronic Communications****Credit Hours:** 3**Prerequisites:** EETC 1025 with a grade of "C" or higher or consent of instructor

This course is an introduction to electronic communications. It covers the fundamental circuit building blocks of communication circuits such as: oscillators, mixers, filters, tuned circuits, and phase locked loops. Topics include amplitude modulation, frequency modulation, multiplexing and demultiplexing, satellite communications, antennas, and other modern electronic communication technologies.

**EET 2621 Soldering Inspections and Processes****Credit Hours:** 3**Prerequisites:** EETC 1611 with a grade of "C" or higher**Lab Fee:** Yes

This Association Connection Electronics Industries (IPC) certification course consists of nine modules and is the standard for electronics assembly manufacturing. In addition, this course will present participant a common understanding of the IPC-A-610 document, terms and definitions. This includes pictorial interpretive document indicating various characteristics of the board and/or assembly as appropriate relating to desirable conditions that exceeds the minimum acceptable characteristics indicated by the end item performance standard and reflect various out-of-control (process indicator or defect) conditions to assist the shop process evaluators in judging need for corrective actions.