



COMMERCIAL WIRING LAB

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| Course Number | ELEC 152L |
| Course Name | COMMERCIAL WIRING LAB |
| Credit Value (Breakdown of theory and lab credits) | 6 credits 6 Studio |
| Catalog Course Description | Practical applications and operations using field work: wiring techniques and codes for assigned commercial and industrial projects. (6, 0T+6S) |
| Student Learning Outcomes/Objectives /Competencies of the Course | <ul style="list-style-type: none"> • Explain all safety procedures that apply to lock out, tag out, ladder safety and first aid. • List the various size and types of electrical conduit • Become proficient in the use of hand held conduit benders • Become familiar with all tools and fastening devices used for commercial installations such as: knock out sets, hole saws, hydraulic bender, power tools, hollow wall anchors, concrete fasteners, wire pulling systems, pipe threading equipment. • Interpret electrical plans and specifications. • Become familiar with various lighting systems, such as fluorescent and high intensity discharge. • Understand the use of electrical testing equipment. • Install lightning and power circuits. • Become familiar with electrical hardware. |
| College-Wide Student Learning Outcomes | Communication |