ELECTRICAL & ELECTRONICS TECHNOLOGY
Associate of Applied Science Degree

(Degree Audit Program Code: ELPT-AAS)

The Electrical/Electronic Technology curriculum is designed to provide training for persons interested in the installation and maintenance of electrical/electronic systems found in residential, commercial, and industrial facilities. Training, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, digital electronics, programmable logic controllers, industrial motor controls, and National Electric Code, and other subjects as local needs require. Graduates should qualify for a variety of jobs in the electrical/electronic field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical/electronic systems. The New program provides comprehensive theoretical and hands on training to meet the industry's continued and changing demands for qualified personnel. Students will attain the certificates and degree in the following sequence; 1) EET Basic Entry Certificate; Intermediate Certificate; Advance Certificate; AAS of Electrical/ Electronic Technology. The EET Program at Galveston College is a testing site for the ETA (Electronic Technician Association). Galveston College's EET program is an accredited NCCER institution. Students will obtain credentialing that will allow them to be put into an international database for prospective employers within the industry to view that students Electrical credentials.

First Semester

ELPT	1221	Introduction to Electrical Safety & Tools	2
ELPT	1311	Basic Electrical Theory	3
ELPT	1325	National Electrical Codes I	3
CETT	1402	Electricity Principles	4
ELPT	1345	Commercial Wiring	3
			15

Second Semester

INTC	1457	AC/DC Motor Control	4
CETT	1307	Fundamentals of Electronics	3
ELPT	2319	Programmable Logic Controllers I	3
CETT	1415	Digital Applications	4
			14

Third Semester

ELPT	2455	Programmable Logic Controllers II	4
CETT	1449	Digital Systems	4
ELPT	2449	Industrial Automation	4
CNBT	1402	Mechanical, Plumbing and Electrical Systems*	4
			16

Fourth Semester

ENGL	1301	Composition I	3
SPCH	13XX	Speech Elective[6]	3
		MATH Elective[2] or Life & Physical Science[5]	3
		Language, Philosophy & Culture[4] /Creative Arts[3]	3
		Social/Behavior Science Elective[7]	3
			15

TOTAL SEMESTER CREDIT HOURS IN PROGRAM: 60

Notes:

[2]MATH 1332 is suggested or select one course from: MATH 1314, 1324, 1325, 1342, 2312, 2413, 2414, 2415, or PSYC 2317.

[3]Select one course from ARTS 1301, ARTS 1303, COMM 2366, DRAM 1310, DRAM 2366, HUMA 1301, MUSI 1306, MUSI 1310.

[4] Select one course from ARTS 1304, DRAM 2361, DRAM 2362, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, HIST 2311, HIST 2312, HUMA 1302, PHIL 1301, PHIL 2306, PHIL 2307.

[5]Select one course from BIOL 1322, BIOL 1406, BIOL 1407, BIOL 2401, BIOL 2402, BIOL 2421, CHEM 1405, CHEM 1411, CHEM 1412, CHEM 2423, CHEM 2425, ENVR 1301, ENVR 1302, KINE 1301, PHYS 1401, PHYS 1402, PHYS 2425 or PHYS 2426.

[6]Select one course from SPCH 1311, SPCH 1315, SPCH 1318 or SPCH 1321.

[7]Select one course from CRIJ 1301, CRIJ 1307, ECON 2301, ECON 2302, KINE 1304, KINE 1346, PSYC 2301, SOCI 1301, SOCI 1306.

*Identifies Capstone course

Underline - Identifies courses to meet general education requirements for AAS Degree.