Academic Map: Certificate of Achievement (CA) ET: Utilities – Electrical Power

Certificate of Achievement (C.A.) | 30 Total Credits | CSN Degree Code: ETUEP-CT | Catalog Year: 2022-2023 |

Computing and Engineering Technologies   Advanced and Applied Technologies   Department of Applied Technologies

Jobs and Employment Information: https://www.csn.edu/cetarea

DESCRIPTION: The Certificate of Achievement in Engineering Technology, Utilities-Electrical Power is an 18-month program that provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics, and ferrous and non-ferrous material.

TERM 1 – TOTAL CREDIT HOURS: 13

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
COM 115 Applied Communications	3	None	GE Com	C	
ET 111B or MATH 116 or above	3	Depends on course chosen	GE Math	C	Except MATH 122 and MATH 123
MT 106B Mechanical Power Transmission	4	None	Special Prog Req	C	
IS101 Intro to Information Systems	3	None	SP Dig Literacy	C	
				C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 17

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
MT 104B Industrial Electricity	4	MT 102B or ET 131B or AC 102B	Special Prog Req	C	
MT 108B Fluid Power	4	None	Special Prog Req	C	
MT 115B Programmable Logic Controllers I	3	C or up in AC 102B or ET 131B or MT 102B and IS 100B or IS 101	Special Prog Req	C	
Spec Prog Elective – see advisor/counselor	6	Depends on course chosen	Spec Prog Elec	C	Apply for Graduation