Academic Map: Air Conditioning Technology – Critical Systems (CA)

Certificate of Achievement (C.A.) | 40 Total Credits | CSN Degree Code: ACTCS-CT | Catalog Year: 2021-2022 |

Industry, Manufacturing, Construction and Transportation   Advanced and Applied Technologies   Department of Applied Technologies

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

DESCRIPTION: This program prepares students to install, maintain, service, troubleshoot, and repair critical systems such as in data process centers and hospitals. The program enables students to learn how to maintain, troubleshoot, and repair HVAC equipment for equipment cooling and other related machinery.

TERM 1 – TOTAL CREDIT HOURS: 14

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
Communications Elec- See advisor/counselor	3	*Depends on course chosen*	GE Comm	C	
AC 102B Intro to HVAC Elect Theory & App	5	*None*	Special Prog Req	C	
AC 103B Intro to Mech Theory & App	5	*None*	Special Prog Req	C	
FMM 101B Intro to Workplace Safety	1	*None*	Special Prog Req	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 10.5

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
ACC 110B Inter HVAC Elec Theory & App	5	AC 102B and AC 103B	Special Prog Req	C	
AC 119B Professionals in Customer Service	1.5	*None*	Special Prog Req	C	
MT 104B Industrial Electricity	4	MT 102B or ET 131B or AC 102B	Special Prog Req	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 15.5

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
AC 115B Troubleshooting	5	AC 106B and AC 110B; or Instructor Approval	Special Prog Req	C	
AC 201B HVAC Automatic Controls	5	AC 106B	Special Prog Req	C	
AC 212B Equipment Cooling	5	AC 110B	Special Prog Req	C	
AC 100B Technician Certification Review	.5	*None*	Special Prog Req	C	Apply for Graduation