Academic Map: Air Conditioning Technology – Central Plant (CA)

Certificate of Achievement (C.A.) | 41 Total Credits | CSN Degree Code: AC-CT | Catalog Year: 2022-2023 |

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

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

DESCRIPTION: Prepares students to install, maintain, service, troubleshoot, and repair residential heating and cooling systems. Students will have an in depth look at sheet-metal fabrication, fiberglass and flexible ductwork. Prepare students to install refrigeration tubing and brazed connections to dissimilar metals.

TERM 1 – TOTAL CREDIT HOURS: 13

Course	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	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 12.5

Course	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
AC 106B Residential Gas Heating	5	AC 102B and AC 103B	Special Prog Req	C	
AC 110B Inter HVAC Elec Theory & App	5	AC 102B and AC 103B	Special Prog Req	C	
AC 116B Copper Fundamentals	1.5	*None*	Special Prog Req	C	
FMM 101B Intro to Workplace Safety	1	*None*	Special Prog Req	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 15.5

Course	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
AC 201B HVAC Automatic Controls	5	AC 110B	Special Prog Req	C	
AC 210B Boiler Operation and Maintenance	5	AC 106B	Special Prog Req	C	
AC 220B Chiller Operations and Maintenance	5	AC 110B	Special Prog Req	C	
AC 100B Technician Certification Review	.5	*None*	Special Prog Req	C	Apply for Graduation