



Academic Map: Air Conditioning Technology (CA)

Certificate of Achievement (C.A.) | 40.5 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

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

TERM 2 – TOTAL CREDIT HOURS: 13

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
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	<i>None</i>	Special Prog Req	C	
AC 119B Professional Customer Service	1.5	<i>None</i>	Special Prog Req	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 14.5

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
AC 111B Heat Pumps	5	<i>AC 110B</i>	Special Prog Req	C	
AC 115B Troubleshooting	5	<i>AC 106B and AC 110B</i>	Special Prog Req	C	
AC 120B Air Cond Duct Work Fabrication	3	<i>None</i>	Special Prog Req	C	
FMM 101B Intro to Workplace Safety	1	<i>None</i>	Special Prog Req	C	
AC 100B Technician Certification Review	.5	<i>None</i>	Special Prog Req	C	Apply for Graduation

