



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

**Certificate of Achievement (C.A.) | 41 Total Credits | CSN Degree Code: AC-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:** 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**

Communications Elec- See advisor/counselor  
AC 102B Intro to HVAC Elect Theory & App  
AC 103B Intro to Mech Theory & App

<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>
3	<i>Depends on course chosen</i>
5	<i>None</i>
5	<i>None</i>

<b><u>Area</u></b>	<b><u>Min Grade</u></b>	<b><u>Milestones and Notes</u></b>
GE Comm	C	
Special Prog Req	C	
Special Prog Req	C	Mandatory Advising Required

## **TERM 2 – TOTAL CREDIT HOURS: 12.5**

AC 106B Residential Gas Heating  
AC 110B Inter HVAC Elec Theory & App  
AC 116B Copper Fundamentals  
FMM 101B Intro to Workplace Safety

<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>
5	AC 102B and AC 103B
5	AC 102B and AC 103B
1.5	<i>None</i>
1	<i>None</i>

<b><u>Area</u></b>	<b><u>Min Grade</u></b>	<b><u>Milestones and Notes</u></b>
Special Prog Req	C	
Special Prog Req	C	
Special Prog Req	C	
Special Prog Req	C	Mandatory Advising Required

## **TERM 3 – TOTAL CREDIT HOURS: 15.5**

AC 201B HVAC Automatic Controls  
AC 210B Boiler Operation and Maintenance  
AC 220B Chiller Operations and Maintenance  
AC 100B Technician Certification Review

<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>
5	AC 110B
5	AC 106B
5	AC 110B
.5	<i>None</i>

<b><u>Area</u></b>	<b><u>Min Grade</u></b>	<b><u>Milestones and Notes</u></b>
Special Prog Req	C	
Special Prog Req	C	
Special Prog Req	C	
Special Prog Req	C	Apply for Graduation