



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

Associate of Applied Science (A.A.S) | 60 Total Credits | CSN Degree Code: ACTCP-AAS | Catalog Year: 2022-2023 |

Industry, Manufacturing, Construction & 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 central plant industrial heating and cooling systems. The program enables students to learn how to maintain, troubleshoot, and repair boilers, central plant equipment, and other related machinery.

TERM 1 – TOTAL CREDIT HOURS: 16-18

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
MATH 104B or above (except MATH122/123)	3	None	GE Math	C	
ENG 100 or 101 or 107 or 110 or 113	3-5	ENG Place Score; or C- and up in ENG 98 or ESL 139	GE ENG	C	
AC 102B Intro to HVAC Elec Theory & App	5	None	Special Prog Req	C	
AC 103B Intro to HVAC Mech Theory & App	5	None	Special Prog Req	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 16

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
COM 115 Applied Communications	3	None	GE Com	C	
ENV 101 Intro to Environmental Science	3	None	GE Nat Science	C	
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	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>
ALS 101 College Success	3	None	GE Human Rel	C	
AC 116B Copper Fundamentals	1.5	AC 110B	Special Prog Req	C	
AC 201B HVAC Automatic Controls	5	AC 110B	Special Prog Req	C	
AC 210B HVAC Automatic Controls	5	AC 116B	Special Prog Req	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 13.5

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
HIST 100 or PSC 101	4	None	GE US/NV Cons	C	
GEOG 106 World Geography	3	None	GE FA/Hum/SS	C	
FMM 101B Intro to Workplace Safety	1	None	Special Prog Req	P/F	
AC 220 Chiller Operations and Maintenance	5	AC 110B	Special Prog Req	C	
AC 100B Technician Cert Review	.5	None	Special Prog Req	C	Apply for Graduation

