



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

Associate of Applied Science (A.A.S) | 60 Total Credits | CSN Degree Code: ACTCS-AAS | Catalog Year: 2021-2022 |

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 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: 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	<i>None</i>	GE Math	C	
ENG 100 or ENG 101 or ENG 113	3-5	ENG Place Score; or C- and up in ENG 98 or ESL 139	GE ENG Comp	C	
AC 102B Intro to HVAC Elec Theory & App	5	<i>None</i>	Special Prog Req	C	
AC 103B Intro to HVAC Mech Theory & App	5	<i>None</i>	Special Prog Req	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 14

	<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	<i>None</i>	GE Com	C	
ENV 101 Intro to Environmental Science	3	<i>None</i>	GE Nat Science	C	
MT 104B Industrial Electricity	3	MT 102B or ET 131B or AC 102B or Instructor/Program Approval	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	<i>None</i>	GE Human Rel	C	
AC 115B Troubleshooting	5	AC 106B and AC 110B	Special Prog Req	C	
AC 119B Professionals in Customer Service	1.5	<i>None</i>	Special Prog Req	C	
AC 201B HVAC Automatic Controls	5	AC 110B	Special Prog Req	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 13.5-16.5

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
PSC 101 or HIST 100	4	<i>None</i>	GE US/NV Cons	C	
GEOG 106 World Geography	3	<i>None</i>	GE FA/Hum/SS	C	
FMM 101B Intro to Workplace Safety	1	<i>None</i>	Special Prog Req	P/F	
AC 212B Equipment Cooling	5	AC 110B	Special Prog Req	C	
AC 100B Technician Cert Review	.5	<i>None</i>	Special Prog Req	C	Apply for Graduation