



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: 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 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

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
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

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
COM 115 Applied Communications	3	None	GE Com	C	
MT 102 Fundamentals of Electricity	4	None	GE Nat Science	C	
MT 104B Industrial Electricity	4	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

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
MGT 212 Leadership and Human Relations	3	None	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	None	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

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
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 212B Equipment Cooling	5	AC 110B	Special Prog Req	C	
AC 100B Technician Cert Review	.5	None	Special Prog Req	C	Apply for Graduation

