



Academic Map: Certificate of Achievement (CA) Advanced Manufacturing

Certificate of Achievement (C.A.) | 30 Total Credits* | CSN Degree Code: ADVMA-CT | Catalog Year: 2022-2023 |

Computing and Engineering Technologies Advanced and Applied Technologies Department of Computing and Information
 Technology Jobs and Employment Information: <https://www.csn.edu/cetarea>

DESCRIPTION: The Certificate of Achievement in Advanced Manufacturing is an 18-month program that provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics.

TERM 1 – TOTAL CREDIT HOURS: 17

ET 111B or MATH 116 or above
 BUS 106 or COM 101 or COM 115
 CADD 100 or CONS 120B
 MT 102 Fundamentals of Electricity
 MT 106 Mechanical Power Transmission

Credits	Pre-Requisite/Co-Requisite
3	ACT/SAT or Placement Score
3	<i>Depends on course chosen</i>
3	<i>None</i>
4	<i>None</i>
4	<i>None</i>

Area	Min Grade	Milestones and Notes
GE Math	C	
GE Com	C	
Special Prog Req	C	
Special Prog Req	C	
Special Prog Req	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 13

MT 104B Industrial Electricity
 MT 108B Fluid Power
 SP Elect – See advisor/counselor

Credits	Pre-Requisite/Co-Requisite
4	MT 102 or ET 131 or AC 102B or Instructor Approval or Program Approval
4	<i>None</i>
5	C- or up in IS101 or IS100 and CIT114B; Instructor Approval

Area	Min Grade	Milestones and Notes
Special Prog Req	C	
Special Prog Req	C	
Special Prog Req	C	Apply for Graduation

*Digital Literacy is required for this certificate program and can be achieved through taking IS100B or IS 101. Students taking IS 101 will take a total of 33 credits for Certificate Completion.

