



# Academic Map: Certificate of Achievement (CA) Computer Science

**Certificate of Achievement (C.A.) | 30 Total Credits | CSN Degree Code: COMPSH-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: Upon successful completion of this certificate program, students will have completed the first year of CSN's Associate of Arts - Computer Science.

**TERM 1 – TOTAL CREDIT HOURS: 15**

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
MATH 126 or MATH 126E or above	3	ACT/SAT Placement	GE Math	C	
ENG 100 or 101 or 110 or 113	3	None	GE ENG	C	
COM 115 Applied Communications	3	None	GE Com	C	
ALS 101 or COM 101	3	None	GE Human Rel/Humanities	C	
IS 101 Introduction to Information Systems	3	None	Special Prog Req	C	Mandatory Advising Required

**TERM 2 – TOTAL CREDIT HOURS: 9**

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
CIT 129 Introduction to Programming	3	C or up in ET 111B or MATH116 or above (except for MATH 122 and MATH 123); Instructor Approval	Special Prog Req	C	
CIT 151 Beginning Web Development	3	IS 101 or IS 100; or Instructor Approval	Special Prog Req	C	
CS 135 Computer Science I	3	C or up in MATH 127 or MATH 128 or MATH 181 or SAT score 630 or higher or ACT Math score 28 or higher	Special Prog Req	C	Mandatory Advising Required

**TERM 3 – TOTAL CREDIT HOURS: 6**

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
CIT 130 Beginning Java	3	CIT 129 or Instructor Approval	Special Prog Req	C	
CIT 180 Database Concepts and SQL	3	CIT 129 or Instructor Approval	Special Prog Req	C	Apply for Graduation

