



Academic Map: BA Data Science

Associate of Arts (A.A.) | 60 Total Credits | CSN Degree Code: COMPS-AA | Catalog Year: 2024-2025 | For Transfer to NS

Computing and Engineering Technologies

Advanced and Applied Technology

Department of Computing and Information Technology

Jobs and Employment Information: <https://www.csn.edu/cetarea>

DESCRIPTION: The Associate of Arts degree in Computer Science is a general transfer program for students who are planning to transfer to baccalaureate-level institutions. A secondary objective is employment upon completion of the degree. A minimum cumulative GPA of 2.0 is required for transfer to NS.

TERM 1 – TOTAL CREDIT HOURS: 15

MATH 127 Precalculus II	3	C or up in MATH 126; or ACT/SAT/Place Score	GE MATH	MATH 181 recommended by NS if student selects minor in MATH
ENG 101 Composition I	3	ENG Place Score; or C- and up in ENG 98 or ESL 139	GE ENG Comp	
COM 101 Oral Communication	3	None	GE Humanities	
Social Science Elec. - See an advisor/counselor	3	Depends on course chosen	Special Prog	
PHIL 102 Crit Think & Reasoning or PHIL 114	3	None	GE Analytical Rea	

TERM 2 – TOTAL CREDIT HOURS: 15

ENG 102 Composition II	3	ENG 100/101/113 with a C- or up	GE ENG Comp
CS 135 Computer Science I	3	C or up MATH 127 or above	SP Core Require
Nat. Science No Lab-See an advisor/counselor	3	Depends on course chosen	GE Nat. Science
Fine Arts Elec. - See an advisor/counselor	3	None	GE Fine Arts
SP Elective-See an advisor/counselor	3	Depends on course chosen	Special Prog Elect

TERM 3 – TOTAL CREDIT HOURS: 16

ENG 231 or ENG 232	3	ENG 100/101/113 with a C- or up	GE Literature
IS 115 Intro to Programming	4	ET 111B or MATH 116 or above (except for MATH 122 and MATH 123) with a grade of C or higher; or Instructor approval.	Special Prog Elect
CS 202 Computer Science II	3	C or up CS 135	SP Core Require
CIT 180 Database Concepts and SQL	3	IS 115	SP Core Require
CS 138 Programming for Data Sci in Python I	3	C or up in MATH 95; or ACT/SAT/Place Score	SP Core Require

TERM 4 – TOTAL CREDIT HOURS: 14

CIT 260 Systems Analysis and Design	3	None	SP Core Require	Apply for graduation
PSC 101 Intro. to American Politics	4	None	GE US/NV Cons	
Nat. Science w Lab-See an advisor/counselor	4	Depends on course chosen	GE Nat. Science	
SP Elective-See an advisor/counselor	3	Depends on course chosen	Special Prog Elect	

*Minor selection for Data Science needs to be selected ASAP to avoid delays to degree completion.



B.A. in Data Science | 60 Total Credits | Catalog Year: 2024-2025 | Transfer from CSN with A.A. in Computer Science

The Data Science Bachelor of Arts degree at Nevada State University will provide students a firm foundation in data management and analysis. Graduates of this program will possess the ability to create data reports and visualizations that can help other stakeholders understand complex information and make evidence-based decisions. Available careers include data analyst, operations manager, database administrator, and software engineer. Major Coursework requires a grade of “C-” or higher.

TERM 1 – TOTAL CREDIT HOURS: 15

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Milestones and Notes</u>
DATA 101 Intro to Data Sci	3	None	Major	
STAT 152 Intro to Stats	3	MATH 96 or above	Major	
DATA 210 Intro to SQL for Data Sci	3	None	Major	
PROFESSIONAL SKILLS ELECTIVE	3	Depends on course chosen	Major	
MINOR DEGREE COURSE	3	Depends on minor degree chosen	Major	

TERM 2 – TOTAL CREDIT HOURS: 15

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Milestones and Notes</u>
DATA 220 Research Methods for Data Sci	3	DATA 101	Major	
CS 238 Programming for Data Sci in Python II	3	CS 138	Major	
MINOR DEGREE COURSE	3	Depends on minor degree chosen	Major	
MINOR DEGREE COURSE	3	Depends on minor degree chosen	Major	
Any 300+ level DATA course	3	Depends on course chosen	Major	

TERM 3 – TOTAL CREDIT HOURS: 15

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Milestones and Notes</u>
DATA 310 Data Visualization	3	DATA 101	Major	Apply for graduation
DATA 330 Statistical Methods for Data Science	3	DATA 220 <u>and</u> MATH 126 & 127 or MATH 181	Major	
PROFESSIONAL SKILLS ELECTIVE	3	Depends on course chosen	Major	
MINOR DEGREE COURSE	3	Depends on course chosen	Major	
MINOR DEGREE COURSE	3	Depends on minor degree chosen	Major	

TERM 4 – TOTAL CREDIT HOURS: 15

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Milestones and Notes</u>
DATA 480 or DATA 490 Capstone or Internship	3	Depends on course chosen	Major	
Any 300+ level DATA, MATH, STAT, or CS course	3	Depends on course chosen	Major	
MINOR DEGREE COURSE	3	Depends on minor degree chosen	Major	
PROFESSIONAL SKILLS ELECTIVE	3	Depends on course chosen	Major	
GENERAL ELECTIVE	3	Depends on course chosen	Elective	

*Consult an advisor for course sequencing. Some courses may only be offered specific semesters.

*Link to NS Website for Minor Degree options: [NS Degrees & Programs](#)

*Link to NS Catalog for elective course options, program information and course pre-requisites: [Nevada State Catalog](#)