



## Academic Map: BS 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: 16**

MATH 181 Calculus I

**Credits**

4

**Pre-Requisite/Co-Requisite**

C or up in MATH 126; or ACT/SAT/Place Score

**Area**

GE MATH

**Milestones and Notes**

NS requirement

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

Introduction to Symbolic Language

### **TERM 2 – TOTAL CREDIT HOURS: 15**

**Credits**

3

**Pre-Requisite/Co-Requisite**

ENG 100/101/113 with a C- or up

**Area**

GE ENG Comp

**Milestones and Notes**

ENG 102 Composition II

3

C or up MATH 127 or above

SP Core Require

CS 135 Computer Science I

3

Depends on course chosen

GE Nat. Science

Nat. Science No Lab-See an advisor/counselor

3

None

GE Fine Arts

Fine Arts Elec. - See an advisor/counselor

3

Depends on course chosen

Special Prog Elect

SP Elective-See an advisor/counselor

3

### **TERM 3 – TOTAL CREDIT HOURS: 16**

**Credits**

3

**Pre-Requisite/Co-Requisite**

ENG 100/101/113 with a C- or up

**Area**

GE Literature

**Milestones and Notes**

ENG 231 or ENG 232

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

IS 115 Intro to Programming

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

Depends on course chosen

Special Prog Elect

### **TERM 4 – TOTAL CREDIT HOURS: 13**

**Credits**

3

**Pre-Requisite/Co-Requisite**

None

**Area**

SP Core Require

**Milestones and Notes**

Apply for graduation

CIT 260 Systems Analysis and Design

4

None

GE US/NV Cons

PSC 101 Intro. to American Politics

4

Depends on course chosen

GE Nat. Science

Nat. Science w Lab-See an advisor/counselor

2

Depends on course chosen

Special Prog Elect

SP Elective-See an advisor/counselor

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



## **B.S. 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**

	<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>	<b><u>Area</u></b>	<b><u>Milestones and Notes</u></b>
DATA 101	3	None	Major	
STAT 152	3	MATH 96 or above	Major	
DATA 210	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**

	<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>	<b><u>Area</u></b>	<b><u>Milestones and Notes</u></b>
DATA 220	3	DATA 101	Major	
MATH 330	3	CS 138	Major	
PROFESSIONAL SKILLS ELECTIVE	3	Depends on course chosen	Major	
MINOR DEGREE COURSE	3	Depends on minor degree chosen	Major	
MINOR DEGREE COURSE	3	Depends on minor degree chosen	Major	

### **TERM 3 – TOTAL CREDIT HOURS: 15**

	<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>	<b><u>Area</u></b>	<b><u>Milestones and Notes</u></b>
DATA 310	3	DATA 101	Major	Apply for graduation
DATA 330	3	DATA 220 <u>and</u> MATH 126 & 127 or MATH 181	Major	
ANY DATA, MATH, STAT, OR CS COURSE (300+)	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**

	<b><u>Credits</u></b>	<b><u>Pre-Requisite/Co-Requisite</u></b>	<b><u>Area</u></b>	<b><u>Milestones and Notes</u></b>
DATA 480 or DATA 490	3	Depends on course chosen	Major	
ANY DATA, MATH, STAT, OR CS COURSE (300+)	3	Depends on course chosen	Major	
MINOR DEGREE COURSE	3	Depends on minor degree chosen	Major	
GENERAL ELECTIVE	3	Depends on course chosen	Elective	
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](#)