



Academic Map: BS Data Science

Associate of Arts (A.A.) | 61 Total Credits | CSN Degree Code: COMPS-AA | Catalog Year: 2025-2026 | 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

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Milestones and Notes</u> |
|---|-----------------------|--|--------------------|------------------------------------|
| MATH 181 Calculus I | 4 | C or up in MATH 126; or ACT/SAT/Place Score | GE MATH | 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 | Major Elect | |
| PHIL 102 Crit Think & Reasoning or PHIL 114 Introduction to Symbolic Language | 3 | None | GE Analytical Rea | |

TERM 2 – TOTAL CREDIT HOURS: 16

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Milestones and Notes</u> |
|--|-----------------------|--|--------------------|------------------------------------|
| 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 | Major | |
| Nat. Science No Lab-See an advisor/counselor | 3 | Depends on course chosen | GE Nat. Science | |
| CIT 129 Intro to Programming | 3 | ET 111B or MATH 116 or above (except for MATH 122 and MATH 123) with a grade of C or higher; or Instructor approval. | Major | |
| MATH 182 Calculus II | 4 | MATH 181 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score | Major Elect | |

TERM 3 – TOTAL CREDIT HOURS: 15

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Milestones and Notes</u> |
|---|-----------------------|--|--------------------|------------------------------------|
| ENG 231 or ENG 232 | 3 | ENG 100/101/113 with a C- or up | GE Literature | |
| Fine Arts Elec. - See an advisor/counselor | 3 | None | GE Fine Arts | |
| CS 202 Computer Science II | 3 | C or up CS 135 | Major | |
| CIT 180 Database Concepts and SQL | 3 | IS 115 | Major | |
| CS 138 Programming for Data Sci in Python I | 3 | Depends on course chosen | Major Elect | |

TERM 4 – TOTAL CREDIT HOURS: 14

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Milestones and Notes</u> |
|--|-----------------------|--|--------------------|------------------------------------|
| CIT 260 Systems Analysis and Design | 3 | None | Major | 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 | |
| CS 238 Programming for Data Science in Python II | 3 | Depends on course chosen | Major Elect | |

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



B.S. in Data Science | 59 Total Credits | Catalog Year: 2025-2026 | 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.

| <u>TERM 1 – TOTAL CREDIT HOURS: 15</u> | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Milestones and Notes</u> |
|---|-----------------------|--|--------------------|------------------------------------|
| DATA 101 | 3 | None | Major | |
| STAT 152 | 3 | MATH 96 or above | Major | |
| DATA 210 | 3 | None | Major | |
| UPPER DIVISION PROFESSIONAL SKILLS ELECTIVE | 3 | Depends on course chosen | Major | |
| MINOR DEGREE COURSE | 3 | Depends on minor degree chosen | Major | |
| <u>TERM 2 – TOTAL CREDIT HOURS: 15</u> | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Milestones and Notes</u> |
| DATA 220 | 3 | DATA 101 | Major | |
| MATH 330 | 3 | CS 138 | Major | |
| UPPER DIVISION 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 | |
| <u>TERM 3 – TOTAL CREDIT HOURS: 15</u> | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Milestones and Notes</u> |
| 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 COURSE (300+) | 3 | Depends on course chosen | Major | |
| MINOR DEGREE COURSE | 3 | Depends on course chosen | Major | |
| UPPER DIVISION MINOR DEGREE COURSE | 3 | Depends on minor degree chosen | Major | |
| <u>TERM 4 – TOTAL CREDIT HOURS: 14</u> | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Milestones and Notes</u> |
| 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 | |
| UPPER DIVISION GENERAL ELECTIVE | 3 | Depends on course chosen | Elective | |
| GENERAL ELECTIVE | 2 | 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](#)