



## Academic Map: BS Biology

**Associate of Science (A.S.) | 60 Total Credits | CSN Degree Code: BIOL-AS | Catalog Year: 2024-2025 | For Transfer to NS**

Biological and Physical Sciences School of Math and Science Department of Biology

Jobs and employment Information: <https://www.csn.edu/sciencearea>

**DESCRIPTION:** The Associate of Science Degree in Biology is a general transfer program for students who are planning to transfer to UNLV, UNR, NS, GBC or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS degree. A minimum cumulative GPA of 2.0 is required for transfer to NS.

### **TERM 1 – TOTAL CREDIT HOURS: 16**

	<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>
MATH 181 Calculus I	4	C or up in MATH 96/96E; or ACT/SAT/Place Score	GE 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	
Fine Arts Elec. – See an advisor/counselor	3	Depends on course chosen	GE Fine Arts	
Social Science Elec. – See an advisor/counselor	3	Depends on course chosen	GE Social Science	

### **TERM 2 – TOTAL CREDIT HOURS: 14**

	<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>
ENG 102 Composition II	3	ENG 100/101/113 with a C- or up	GE ENG Comp	
BIOL 190 Intro to Cell and Molecular Biology	4	C or up MATH 127 or above and ENG 100/101/113	Special Prog	
CHEM 121 General Chemistry I	4	CHEM 103 or CHEM 110 or Chem Placement	Special Prog	
ENG 231 or ENG 232	3	ENG 100/101/113 with a C- or up	GE Literature	

### **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>
PHYS 151 General Physics	4	C or up in MATH 127 or above	Special Prog	
BIOL 191 Intro to Org Biology	4	C or up in BIOL 190	Special Prog	
CHEM 122 General Chemistry II	4	C or up in CHEM 121	Special Prog	
Social Science Elec. – See an advisor/counselor	3	Depends on course chosen	GE Social Science	

### **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>
Humanities Elec. – See an advisor/counselor	3	Depends on course chosen	GE Humanities	Apply for graduation
PHYS 152 General Physics II	4	PHYS 151	Special Prog	
PSC 101 or HIST 100	4	None	GE US/NV Const	
CHEM 241 Organic Chem I	4	CHEM 122	Special Prog Elec	

*\*Consult advisor for course sequencing. Some courses may only be offered during a certain semester.*

*\*Several concentration options at NS are available for the BS-Biology. See an Advisor for details.*

*\*Elective course credits vary based on course choices. Upper Division is 300+ coursework.*

*\*CSN students should make NS BIOL concentration selection as soon as possible to avoid delays in degree completion. Concentrations available: **Cell & Molecular, Evolution & Ecology, Physiology, and PharmD Track with Roseman University***

**B.S. in Biology | 61 Total Credits | Catalog Year: 2024-2025 | Transfer from CSN with A.S in Biology.**

DESCRIPTION: The Biology program identifies as its central role to create scientific literacy in addressing biological issues, enhancing opportunities for a diverse student population to enter graduate, professional and entry-level career positions in biology. The Biology program infrastructure provides ongoing support, guidance and encouragement to our students as they strive to meet personal and professional goals. Major Coursework requires a grade of "C-" or higher.

**TERM 1 – TOTAL CREDIT HOURS: 13**

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Milestones and Notes</u>
BIOL 209	3	BIOL 190, CHEM 121, CHEM 122, MATH 126	Major	
CHEM 242A & 242L	4	CHEM 241	Major	
UPPER DIVISION BIOLOGY ELECTIVE	3	Depends on course chosen	Major	
UPPER DIVISION GENERAL ELECTIVE	3	Depends on course chosen	Elective	

**TERM 2 – TOTAL CREDIT HOURS: 16**

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Milestones and Notes</u>
BIOL 220	3	None	Major	
BIOL 300A & 300L	4	BIOL 190/191/209, CHEM 121/122, MATH 126	Major	
STAT 391	3	MATH 120 or MATH 126	Major	
UPPER DIVISION BIOLOGY ELECTIVE	3	Depends on course chosen	Major	
UPPER DIVISION GENERAL ELECTIVE	3	Depends on course chosen	Elective	

**TERM 3 – TOTAL CREDIT HOURS: 16**

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Milestones and Notes</u>
CHEM 474	4	BIOL 300 and CHEM 241 or CHEM 242	Major	Apply for graduation
BIOL 415	3	BIOL 190/191/209, CHEM 121/122, MATH 126	Major	
UPPER DIVISION BIOLOGY ELECTIVE	3	Depends on course chosen	Major	
UPPER DIVISION GENERAL ELECTIVE	3	Depends on course chosen	Elective	
GENERAL ELECTIVE	3	Depends on course chosen	Elective	

**TERM 4 – TOTAL CREDIT HOURS: 16**

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Milestones and Notes</u>
UPPER DIVISION BIOLOGY ELECTIVE	3	Depends on course chosen	Major	
UPPER DIVISION BIOLOGY ELECTIVE W/LAB	4	Depends on course chosen	Major	
GENERAL ELECTIVE	3	Depends on course chosen	Elective	
GENERAL ELECTIVE	3	Depends on course chosen	Elective	
GENERAL ELECTIVE	3	Depends on course chosen	Elective	

- Consult advisor for course sequencing. Some courses may only be offered in specific semesters.
- Elective course credits vary based on course choices. Upper Division is 300+ coursework.
- Concentrations available: **Cell & Molecular, Evolution & Ecology, Physiology, and PharmD Track with Roseman University**
- Link to NS Catalog for elective course options, program information and course pre-requisites: [Nevada State Catalog](#)