



# Academic Map: BS Biology

**Associate of Science (A.S.) | 60 Total Credits | CSN Degree Code: BIOL-AS | Catalog Year: 2022-2023 | For Transfer to NSC**

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, NSC, GBC or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS degree.

## **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>Min Grade</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	C
ENG 101 Composition I	3	ENG Place Score; or C- and up in ENG 98 or ESL 139	GE ENG Comp	C-
COM 101 Oral Communication	3	None	GE Humanities	C
Fine Arts Elec. - See an advisor/counselor	3	None	GE Fine Arts	C
Social Science Elec - See an advisor/counselor	3	Depends on course chosen	GE Social Science	C Mandatory Advising Required

## **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>Min Grade</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	C
BIOL 190 Intro. to Cell and Molecular Biology	4	C or up MATH 127 or above and ENG 100/101/113	Special Prog	C NSC Requirement
CHEM 121 General Chemistry I	4	CHEM 103 or CHEM 110 or Chem Placement	Special Prog	C NSC Requirement
ENG 231 or ENG 232	3	ENG 100/101/113 with a C- or up	GE Literature	C Mandatory Advising Required

## **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>Min Grade</u></b>	<b><u>Milestones and Notes</u></b>
PHYS 151 General Physics I	4	C or up in MATH 127 or above	Special Prog	C NSC Requirement
BIOL 191 Intro. to Organismal Biology	4	C or up in BIOL 190	Special Prog	C NSC Requirement
CHEM 122 General Chemistry II	4	C or up in CHEM 121	Special Prog	C NSC Requirement
Social Science Elec– See an advisor/counselor	3	Depends on course chosen	GE Social Science	C Mandatory Advising Required

## **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>Min Grade</u></b>	<b><u>Milestones and Notes</u></b>
Humanities Elec – See an advisor/counselor	3	Depends on course chosen	GE Humanities	C
PHYS 152 General Physics II	4	PHYS 151	Special Prog	C NSC Requirement
PSC101 or HIST 100	4	None	GE US/NV Cons	C
CHEM 241 Organic Chemistry I	4	CHEM 122	Special Prog Elec	C Apply for Graduation

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



## Academic Map: BS Biology

**B.S. in Biology | 60-63 Total Credits | Catalog Year: 2022-2023 | 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.

<b><u>TERM 1 – TOTAL CREDIT HOURS: 14</u></b>	<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>
BIOL 209	3	BIOL 190 CHEM 121/122 MATH 126	Major	Mandatory Advising
CHEM 242/242L	4	CHEM 241	Major	
UPPER DIVISION BIOLOGY ELECTIVE	4	Depends on course chosen	Major	
UPPER DIVISION GENERAL ELECTIVE	3	Depends on course chosen	Elective	
<b><u>TERM 2 – TOTAL CREDIT HOURS: 14</u></b>	<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>
BIOL 220	3	None	Major	Mandatory Advising
BIOL 300A/300L	4	BIOL 190/191/209 CHEM 121/122 MATH 126	Major	
STATS 391	3	MATH 120 OR 126	Major	
UPPER DIVISION GENERAL ELECTIVE	3	Depends on course chosen	Elective	
UPPER DIVISION BIOLOGY ELECTIVE	1	Depends on course chosen	Major	
<b><u>TERM 3 – TOTAL CREDIT HOURS: 16</u></b>	<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>
CHEM 474	4	BIOL 300 CHEM 241 or 242	Major	Mandatory Advising
BIOL 415	3	BIOL 190/191/300 CHEM 121 MATH 126	Major	
UPPER DIVISION BIOLOGY ELECTIVE	4	Depends on course chosen	Major	
UPPER DIVISION GENERAL ELECTIVE	3	Depends on course chosen	Elective	
GENERAL ELECTIVE	2	Depends on course chosen	Elective	
<b><u>TERM 4 – TOTAL CREDIT HOURS: 16</u></b>	<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>
UPPER DIVISION BIOLOGY ELECTIVE	3	Depends on course chosen	Major	Apply for Graduation
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 specific semesters.

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

\* Concentrations available: **Cell & Molecular, Evolution & Ecology, Physiology.**

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