



# Academic Map: (BS) Biology - Microbiology

**Associate of Science (A.S.) | 60 Total Credits<sup>1</sup> | CSN Degree Code: BIOL-AS | Catalog Year: 2022-2023 | For Transfer to UNLV**

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: 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>
MATH 181 Calculus I <sup>2</sup>	4	C or up in MATH 96/96E; or ACT/SAT/Place Score	GE MATH	C	
ENG 100 or 101 Composition I	3	ENG Place Score; or C- and up in ENG 98 or ESL 139	GE ENG Comp	C-	
CHEM 121 General Chemistry I	4	CHEM 103 or CHEM 110 or Chem Placement	SP Core Require	C	UNLV Requirement
Social Science Elec. - See an advisor/counselor	3	<i>Depends on course chosen</i>	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 or 114 Composition II	3	C- or up in ENG 100/101/113	GE ENG Comp	C	
BIOL 190 Intro. to Cell and Molecular Biology	4	C- or up in ENG 100/101/113 and MATH 124 or above	SP Core Require	C	UNLV Requirement
CHEM 122 General Chemistry I	4	C or up in CHEM 121	SP Core Require	C	UNLV Requirement
ENG 231 or ENG 232	3	C- or up in ENG 100/101/113	GE Literature	C	Mandatory Advising Required

## **TERM 3 – TOTAL CREDIT HOURS: 17**

	<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	SP Core Require	C	UNLV Requirement
BIOL 191 Intro. to Organismal Biology	4	C or up in BIOL 190	SP Core Require	C	UNLV Requirement
COM 101 Oral Communication	3	None	GE Humanities	C	
Humanities Elective	3	<i>Depends on course chosen</i>	GE Humanities	C	
Fine Arts Elec. - See an advisor/counselor	3	<i>Depends on course chosen</i>	GE Fine Arts	C	Mandatory Advising Required

## **TERM 4 – 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>
BIOL 251H General Microbiology - Honors	4	C or up in BIOL 190 and CHEM 121 and 122	Spec Prog Elec	C	
PHYS 152 General Physics II	4	PHYS 151	SP Core Require	C	UNLV Requirement
CHEM 241 Organic Chemistry I	4	<i>CHEM 122</i>	Spec Prog Elec	C	UNLV Requirement
PSC101 Intro to American Politics	4	<i>None</i>	GE US/NV Cons	C	Apply for Graduation

<sup>1</sup>Students will complete a total of 61 credits for transfer

<sup>2</sup>Students who place in a lower MATH and/or CHEM course will complete more than 60 credits for this degree.

