



Academic Map: Physical Sciences – BS Mechanical Engineering

Associate of Science (A.S.) | 60 Total Credits¹ | CSN Degree Code: PHYS-AS | Catalog Year: 2021-2022 | For Transfer to UNLV

Biological and Physical Sciences Area of Study School of Science and Mathematics Department of Physical Sciences

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

DESCRIPTION: The Associate of Science Degree in Physical Science is a general transfer program for students who are planning to transfer to a baccalaureate or pre-professional institution. A secondary objective may be employment upon completion of the AS degree.

TERM 1 – TOTAL CREDIT HOURS: 17

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
MATH 181 Calculus I ²	4	C or up in MATH 126 & 127 & 128; or ACT/SAT/Place Score	GE Math	C	UNLV Requirement
ENG 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 ²	4	CHEM 103 or 110 or CHEM Placement Score	Special Prog	C	UNLV Requirement
Fine Arts Elect – See an advisor/counselor	3	<i>Depends on course chosen</i>	GE Fine Arts	C	
COM 101 Oral Communication	3	<i>None</i>	GE Humanities	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 15

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
ENG 102 or 114	3	ENG 100/101/113 with a C- or up	GE ENG Comp	C	
MATH 182 Calculus II	4	C or up in MATH 181; or ACT/SAT/Place Score	Special Prog	C	UNLV Requirement
PHYS 180 and 180L	4	Co-req: PHYS 180L C or up in MATH 181	GE Natural Sci	C	UNLV Requirement
Soc Science Elect – See an advisor/counselor	3	<i>Depends on course chosen</i>	GE Social Science	C	
ME 240 3D Modeling and Solidworks	1	<i>None</i>	Special Prog	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 17

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
CEE 241 Statics	3	MATH 182 and PHYS 180	Special Prog	C	UNLV Requirement
MATH 283 Calculus III	4	C or up in MATH 182; or ACT/SAT/Place Score	Special Prog	C	UNLV Requirement
PHIL 242 Ethics for Engineers and Scientists	3	<i>None</i>	Special Prog	C	UNLV Requirement
PHYS 182 and 182L	4	Co-req: PHYS 182L C or up in MATH 182 & PHYS 180 & 180L	Special Prog	C	UNLV Requirement
EE 292 Fund of Elect & Computer Engineering	3	C or up in MATH 182 and either PHYS 151 or 180	Special Prog	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 13

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
ME 242 Dynamics	3	CEE 241 & PHYS 180 & 180L & MATH 182	Special Prog	C	UNLV Requirement
MATH 285 Differential Equations	3	C or up in MATH 182	Special Prog	C	UNLV Requirement
ENG 231 or 232	3	ENG 100/101/101H/113 with C- or up; or approval	Special Prog	C	
PSC 101 Intro to American Politics	4	<i>None</i>	GE US/NV Const	C	Apply for Graduation

¹Student will complete 62 credits based on courses needed for transfer.

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