Academic Map: Physical Sciences – BS Electrical Engineering

Associate of Science (A.S.) | 60 Total Credits[1] | CSN Degree Code: PHYS-AS | Catalog Year: 2020-2021 | 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	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
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 or 101 or 113	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
CS 135 Computer Science I	3	MATH 127 or 128	Special Prog	C	UNLV Requirement
Fine Arts Elect– See an advisor/counselor	3	*Depends on course chosen*	GE Fine Arts	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 17	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
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 | Pre-req: C or up in MATH 181	GE Nat. Science	C	UNLV Requirement
CPE 100 Digital Logic Design I	3	C or up in MATH 127/128/182 or SAT/ACT Score	Special Prog	C	UNLV Requirement
COM 101 Oral Communication	3	*None*	GE Humanities	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 15	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
MATH 283 Calculus III	4	C or up in MATH 182; or ACT/SAT/Place Score	Special Prog	C	UNLV Requirement
PHYS 181 and 181L	4	Co-req: PHYS 181L | Pre-req: C or up in MATH 182 and PHYS 180 and 181L	Special Prog	C	UNLV Requirement
EE 220 Circuits I	3	Pre-req: MATH 182; Co-req: EE 220D	Special Prog	C	UNLV Requirement
EE 220D Circuits I Discussion	0	Pre-req: MATH 182; Co-req: EE 220	Special Prog	C	UNLV Requirement
CPE 200 Digital Logic Design II	3	Pre-req: C or up in CPE 100; Co-req: CPE 200L	Special Prog	C	UNLV Requirement
CPE 200L Digital Logic Design II Lab	1	Co-req: CPE 200	Special Prog	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 14	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
EE 221 Circuits II	3	EE 220	Special Prog	C	UNLV Requirement
EE 221L Circuits II Lab	1	Co-req: EE 221	Special Prog	C	UNLV Requirement
Soc Science Elect– See an advisor/counselor	3	*Depends on course chosen*	GE Social Science	C	
PSC 101 Intro to American Politics	4	MATH 95 with a C or up; and PSY 101 or 101H	GE US/NV Const	C	
ENG 231 or 232	3	ENG 100/101/113 with a C- or up; or approval	GE Humanities	C	Apply for Graduation

[1]Student will complete 63 credits based on courses needed for transfer.
[2]Students who place in a lower MATH and/or CHEM course will complete more than 60 credits for this degree.