Academic Map: BS Mathematics – Statistics & Applied Mathematics
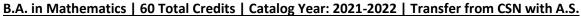
Associate of Science (A.S.) | 60 Total Credits | CSN Degree Code: AS | Catalog Year: 2021-2022 | For Transfer to NSC

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

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

DESCRIPTION: The Associate of Science Degree 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.

TERM 1 – TOTAL CREDIT HOURS: 13

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
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	
Social Science Elec. - See an advisor/counselor	3	*Depends on course chosen*	GE Social Science	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 16

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
ENG 102 Composition II	3	C- or up in ENG 100/101/110/113	GE ENG Comp	C	
MATH 182 Calculus II	4	C or up in MATH 181; or ACT/SAT/Place Score	Special Prog	C	NSC Requirement
Nat. Science No Lab-See an advisor/counselor	3	*Depends on course chosen*	GE Nat. Science	C	
Fine Arts Elec. - See an advisor/counselor	3	*None*	GE Fine Arts	C	
SP Core Elective- See an advisor/counselor	3	*Depends on course chosen*	SP Core Require	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 17

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
ENG 231 or ENG 232	3	C- or up in ENG 100/101/110/113	GE Literature	C	
MATH 283 Calculus II	4	C or up in MATH 182; or ACT/SAT/Place Score	Special Prog Elec	C	NSC Requirement
CS 135 Computer Science I	3	C or up MATH 127 or above	SP Core Require	C	NSC Requirement
PHYS 180 Phys for Sci. and Engineers I	4	C or up in MATH 182	SP Core Require	C	NSC Recommended Course
MATH 253 Matrix Algebra	3	C or up in MATH 182	SP Core Require	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 14

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
MATH 285 Differential Equations	3	C or up in MATH 182	Special Prog Elec	C	
PSC 101 Intro. to American Politics	4	*None*	GE US/NV Cons	C	
MATH 251 Discrete Mathematics I	3	C or up in MATH 181	Special Prog Elec	C	NSC Recommended Course
Nat. Science w Lab-See an advisor/counselor	4	*Depends on course chosen*	GE Nat. Science	C	Apply for graduation

Academic Map: BS Mathematics – Statistics & Applied Mathematics

B.A. in Mathematics | 60 Total Credits | Catalog Year: 2021-2022 | Transfer from CSN with A.S.

 DESCRIPTION: Students in the statistics and applied math concentration will learn essential skills in sampling, experimental design, data modeling, and computer programming skills for model development and data analysis. Major Coursework requires a grade of "C-" or higher.

TERM 1 – TOTAL CREDIT HOURS: 15	Credits	Pre-Requisite/Co-Requisite	Area	Milestones and Notes
MATH 301	3	MATH 182	Major	
MATH 352	3	MATH 182	Major	
MATH 314	3	MATH 182	Major	
CS 202	3	CS 135	Major	
GENERAL ELECTIVE	3	Depends on course chosen	Elective	

TERM 2 – TOTAL CREDIT HOURS: 15	Credits	Pre-Requisite/Co-Requisite	Area	Milestones and Notes
MATH 457	3	MATH 301	Major	
MATH 330	3	MATH 182	Major	
MATH 455	3	MATH 301	Major	
STAT 461	3	MATH 283	Elective	
GENERAL ELECTIVE	3	Depends on course chosen	Elective	

TERM 3 – TOTAL CREDIT HOURS: 15	Credits	Pre-Requisite/Co-Requisite	Area	Milestones and Notes
MATH 453	3	MATH 330	Major	Apply For Graduation
MATH 420	3	MATH 330/352/427	Major	
MATH 430	3	MATH 330	Major	
STAT 467	3	MATH 283 STAT 461	Elective	
MATH OR STAT UPPER DIVISION ELECTIVE	3	Depends on course chosen	Major	

TERM 4 – TOTAL CREDIT HOURS: 15	Credits	Pre-Requisite/Co-Requisite	Area	Milestones and Notes
MATH 454 or 458	3	Depends on course chosen	Major	
MATH 459	3	MATH 301	Major	
MATH 475	3	MATH 301	Major	
MATH 489	3	Instructor approval	Major	
GENERAL ELECTIVE	3	Depends on course chosen	Elective	

* Consult advisor for course sequencing. Some courses may only be offered specific semesters.

* Upper Division is 300+ coursework.

** Link to NSC Catalog for Elective Course options, program information and course pre-requisites: **Statistics & Applied Mathematics Degree Program***