

Baccalaureate Degree Plan (BDP)

Associate in Science (AS) to BS Computer Science - Data Science and Big Data Concentration

The sequence below is contingent on completion of the AS degree from a college in the North Carolina Community College System (NCCCS). It represents one way in which the program of study can be completed. Following the BDP does not guarantee admission to UNCG or guarantee an AS or BS degree will be conferred. Students should seek academic advising to determine the best course of study to meet educational goals and degree requirements. [Refer to the University Admissions website for more information on admission and transfer of credits.](#) *NOTE: Credit will only be awarded for transferable courses for which a grade of C (2.0) or better is earned.*

Pages 1 and 2 reflect the suggested North Carolina Community College system category/course selection for the AS. Review the [NC Transfer Course List](#) for full listing of courses by designation – UGETC, CAA GEN ED, Pre-Major/Elective. Pages 3 and 4 reflect the academic plan of study, following completion of the AS and transfer to UNCG.

This BDP is based upon full-time enrollment (12 or more hours) each semester.

NC Community College First Year Fall Semester

NCCCS Course	NCCCS sh	UNCG Course Equivalent	UNCG sh
ACA 122 (Pre-Major/Elective)	1	ELE 000 Free Elective	1
Natural Science (UGETC)	4	BIO 111 & BIO 111L or CHE 111 & CHE 112	4
ENG 111 (UGETC)	3	ENG 101 College Writing I	3
Communications/Humanities/Fine Arts (UGETC)	3		3
MAT 171 (UGETC)	4	MAT 150 Precalculus I	3
Total semester hours earned:	15	Total semester hours earned:	14

Table 1 NC Community College First Year - Fall Semester Course Selections

NC Community College First Year Spring Semester

NCCCS Course	NCCCS sh	UNCG Course Equivalent	UNCG sh
ENG 112 (UGETC)	3	ENG 102 College Writing II	3
Communications/Humanities/Fine Arts (UGETC)	3		3
Foreign Language 111 (GEN ED)	3	Foreign Language 101	3
BIO 112 or CHM 152 (UGETC)	4	BIO 112 & BIO 112L or CHE 114 & CHE 115	4
MAT 172 (UGETC)	4	MAT 151 Precalculus II	3
Total semester hours earned:	17	Total semester hours earned:	16

Table 2 NC Community College First Year - Spring Semester Course Selections

**NC Community College Second Year
Fall Semester**

NCCCS Course	NCCCS sh	UNCG Course Equivalent	UNCG sh
Social/Behavioral Science (UGETC)	3		3
CSC 151 (Pre-Major/Elective)	3	CSC 130 Intro to Computer Science	3
MAT 271 (UGETC)	4	MAT 196 Calculus A	4
Foreign Language 112 (GEN ED)	3	Foreign Language 102	3
Additional General Education Hours	1		1
Total semester hours earned:	14	Total semester hours earned:	14

Table 3 NC Community College Second Year - Fall Semester Course Selections

**NC Community College Second Year
Spring Semester**

NCCCS Course	NCCCS sh	UNCG Course Equivalent	UNCG sh
MAT 272 (UGETC)	4	MAT 296 Calculus B	4
Social/Behavioral Science (UGETC)	3		3
Other Required Hours	7		7
Total semester hours earned:	14		14

Table 4 NC Community College Second Year – Spring Semester Course Selections

Total hours earned for the AA degree: 60-61

Note: the AS requires 11 hours of CAA GEN ED

The AS also requires an additional 14 SH of courses to be selected from courses classified as pre-major, electives, or general education courses within the CAA (ACA 122 is required)



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Schedule of Courses Upon Admission to UNC Greensboro Associate in Science (AS) to BS Computer Science – Data Science and Big Data Concentration

UNCG First Year

Fall Semester	sh	Spring Semester	sh
CSC 230	3	CSC 330	3
CSC 250	3	CSC 350	3
CSC 261	3	CSC 362	3
PHI 222	3	Elective	3
STA 271 or STA 290	3	Elective	3
Total semester hours earned:	15	Total semester hours earned:	15

Table 5 UNCG First Year, Fall and Spring Course Selections

UNCG Second Year

Fall Semester	sh	Spring Semester	sh
CSC 339	3	CSC 462	3
CSC 340	3	CSC 490	3
CSC 452	3	CSC 471	3
Concentration elective	3	CSC 405	3
CSC 410	3	CSC 300+ level elective	3
Total semester hours earned:	15	Total semester hours earned:	15

Table 6 UNCG Second Year, Fall and Spring Course Selections

The Bachelor of Science in Computer Science – Data Science and Big Data Concentration requires a minimum of 120 semester hours (sh). UNCG requires a minimum 2.0 overall GPA for graduation.

The UNCG course schedule provides an outline for completing the degree in two years upon transfer. The Computer Science department strongly urges students not to take more than three computer science courses per semester (especially those that are deemed programming intensive or project-based). Thus, the degree plan could extend beyond two years.

Students are required to demonstrate intermediate-level proficiency in an additional language. The typical sequence of UNCG courses for language is 101, 102, 203, and 204. The College of Arts and Sciences considers successful completion of the 204 course a demonstration of proficiency. Students who transfer 60 or more credits to UNCG can satisfy this requirement by successfully completing a 102 course (equivalent of foreign language 112 at NC Community College).

For more information, visit the Department website: <https://compsci.uncg.edu/>

This plan reflects the degree program's requirements published in the 2022-2023 university catalog. All

guides are meant as an example of how a degree can be completed. Course availability, prior credit, course prerequisites, major requirements, and student needs must be considered in developing an individual academic pathway.