North Carolina Community College Transfer Guide for Computer Science and Data Science Majors

Undergraduate Computer Science Degrees Offered:

Bachelor of Arts, Computer Science
Concentrations:
- Information Technology
- Human-Computer Interaction
- Bioinformatics

Bachelor of Science, Computer Science
Concentrations:
- Cyber Security
- Software Engineering
- Web and Mobile Applications
- Al, Robotics and Gaming
- Data Science
- Software, Systems, and Networks

Both BA and BS degrees are offered in Computer Science. Students will select a degree and a concentration which will determine their degree path. Newly admitted students will be placed into a default concentration for the BA or BS, and will declare their desired concentration when core major requirements are complete.

Transfer Admission Requirements: *for direct admission into the College of Computing & Informatics*
- 24 transferable credits complete
- Cumulative GPA of 2.5 or higher
- Grade of C or higher is required in all computer science courses attempted prior to transferring
- College level algebra (equivalent to MAT 171 at NC Community Colleges) or higher must be complete with a grade of C or better prior to transferring

Major-Specific Course Suggestions: Students interested in one of the Bachelor of Arts concentrations outlined above should follow the course suggestions in the B.A. column below. Students interested in one of the Bachelor of Science concentrations outlined above should follow the course suggestions in the B.S. column below.

NCCC Course	UNC Charlotte Course Title	UNC Charlotte Course	B.A.	B.S.
CSC 151	Intro. To Comp Science I	ITSC 1212	X	X
CSC 251	Intro. to Comp Science II	ITSC 1213	X	X
CSC 249	Data Structures	ITSC 2214	X	X
MAT 152	Elements of Statistics	STAT 1220	X	
MAT 263	Calculus	MATH 1120	X	
MAT 271	Calculus I	MATH 1241		X
MAT 272	Calculus II	MATH 1242		X
MAT 280	Linear Algebra	MATH 2164		X
MAT 167	Discrete Structures	ITSC 2175/ MATH 1165	X	X

Note: In addition to major specific courses in the chart above, students are also encouraged to complete additional coursework, such as UNC Charlotte General Education Requirements, or complete the requirements of a transferable Associate's Degree prior to transferring.

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Undergraduate Data Science Degrees Offered:
Data Science, B.S.

Transfer Admission Requirements:
- 24 transferable credits complete
- Cumulative GPA of 2.0 or higher

Major-Specific Course Suggestions:

NCCC Course	UNC Charlotte Course Title	UNC Charlotte Course
CSC 151	Intro. To Comp Science I	ITSC 1212
CSC 251	Intro. to Comp Science II	ITSC 1213
CSC 249	Data Structures	ITSC 2214
MAT 152	Elements of Statistics	STAT 1220
MAT 263 or 271	Calculus or Calculus I	MATH 1120 or MATH 1241
MAT 280	Linear Algebra	MATH 2164
MAT 167	Discrete Structures	ITSC 2175/ MATH 1165

Data Science Curriculum Information: Students are encouraged to come with as many of the suggested courses above complete as possible. At UNC Charlotte, students will complete 4 semesters of studio style Data Science courses along with advanced statistics and computing coursework (which do not have NC Community College equivalencies). Due to the sequencing of the required studio Data Science courses that will be taken at UNC Charlotte, students are encouraged to pursue a Fall transfer.

Note: In addition to major specific courses in the chart above, students are also encouraged to complete additional coursework, such as UNC Charlotte General Education Requirements, or complete the requirements of a transferable Associate's Degree prior to transferring.