

UNC Charlotte Baccalaureate Degree Plan

Data Science (B.S.)

North Carolina Community College classes are listed below in left column. The UNC Charlotte equivalent course is listed in the column next to the NCCCS courses.

The University of North Carolina at Charlotte strongly recommends students complete their Associate degree prior to transferring to UNC Charlotte. Pathways are structured for students who have completed all requirements for their Associate degree and qualify for the CAA.

Please Note: BDP's are developed based on the approved curriculum for each catalog year. Based on admitted term of entry and the curriculum posted for the catalog year, programs of study are subject to change.

[UNC Charlotte Baccalaureate Degree Plans
datascience.charlotte.edu](https://datascience.charlotte.edu)

Additional Requirements / Special Note for Admission to the upper division in major:	
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		NC Community College Course	UNC Charlotte Equivalent Course	Notes
Semester 1 14 Credit Hrs	3	CSC 151: Java Programming	ITSC 1212: Introduction to Computer Science I	
	4	MAT 171: Precalculus Algebra UGETC: Math	MATH 1100: College Algebra	
	3	ENG 111: Writing and Inquiry UGETC: Composition	WRDS 1103 Wrtng & Inqry Acdmc Ctx I & II	
	3	Student Choice UGETC: Social/Behavioral	General Education Course	
	1	ACA 122: College Transfer Success UGETC: ACA 122	TRNF 1ELE: Transfer Elective	

		NC Community College Course	UNC Charlotte Equivalent Course	Notes
Semester 2 16 Credit Hrs	3	CSC 251: Advanced Java Programming **	ITSC 1213: Introduction to Computer Science II **	
	4	MAT 263: Brief Calculus **	MATH 1120: Calculus **	MAT 271 is also allowed
	3	ENG 112: Writing and Research in the Disciplines UGETC: Composition	CTCM 2530: Critical Thinking and Communications	
	3	COM 120: Interpersonal Communications or COM 231: Public Speaking UGETC Arts/Humanities	COMM 2107: Interpersonal Communications or COMM 1101: Public Speaking	
	3	Additional GEN ED or Pre-Major/Transfer Elective	Additional GEN ED or Pre-Major/Transfer Elective	Elective / minor / second major course

		NC Community College Course	UNC Charlotte Equivalent Course	Notes
Semester 3 16 Credit Hrs	3	CSC 249: Data Structures and Algorithms *	ITSC 2214: Data Structures and Algorithms *	
	3	Additional GEN ED or Pre-Major/Transfer Elective	Additional GEN ED or Pre-Major/Transfer Elective	Elective / minor / second major course
	3	Student Choice UGETC: Humanities/ Fine Arts	General Education Course	
	4	Natural Science w/ lab UGETC: Natural Science	General Education - Natural Science w/ lab	
	3	Student Choice UGETC: Social/Behavioral	General Education Course	

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		NC Community College Course	UNC Charlotte Equivalent Course	Notes
Semester 4 16 Credit Hrs	4	MAT 152: Statistical Methods **	STAT 1220: Elements of Stat I **	
	3	MAT 280: Linear Algebra	MATH 2164: Matrices & Linear Algebra	If MAT 271 was taken
	3	Student Choice UGETC: Humanities/ Fine Arts	General Education Course	
	3	Student Choice UGETC: Social/Behavioral	General Education Course	
	3	Additional GEN ED or Pre-Major/Transfer Elective	Additional GEN ED or Pre-Major/Transfer Elective	Elective / minor / second major course

Critical Course Indicator	
2 Star (**) Critical Course	Critical Success Course that is a required introductory or prerequisite course within the Major and/or prerequisite course for UNC Charlotte Upper Division coursework for intended major
1 Star (*) Critical Course	Critical Success Course necessary for seamless transition and required for UNC Charlotte Upper Division coursework for intended major
0 Star (Lt Green color only) Critical Course	Key Success Marker Course that is important for seamless transition but can be secured after transfer

Color Key	Category
Light Green	Success Marker Course (Critical Course)
Light Blue	UGETC: General Education Course
Light Orange	Additional GEN ED or Pre-Major/Transfer Elective

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		UNC Charlotte Equivalent Course	Notes
Semester 5 15 Credit Hrs	6	DTSC 1301+1302	Only offered in fall semester, must be taken
	3	STAT 2223	
	3	ITCS 3160	
	3	Free elective	Elective / minor / second major course

		UNC Charlotte Equivalent Course	Notes
Semester 6 15 Credit Hrs	6	DTSC 2301+2302	Only offered in spring semester, must be taken
	3	ITCS 3162	
	3	MATH 2165 OR ITSC 2175	
	3	Free elective	Elective / minor / second major course

		UNC Charlotte Equivalent Course	Notes
Semester 7 15 Credit Hrs	6	DTSC 3601+3602	Only offered in fall semester, must be taken
	3	STAT 3160	Only offered in fall semester
	3	Free elective	Elective / minor / second major course
	3	Free elective	Elective / minor / second major course

		UNC Charlotte Equivalent Course	Notes
Semester 8 15 Credit Hrs	6	DTSC 4301+4302	Only offered in spring semester, must be taken
	3	Free elective	Elective / minor / second major course
	3	Free elective	Elective / minor / second major course
	3	Free elective	Elective / minor / second major course

62	Total NCCCS Credit Hours
60	Total UNC Charlotte Hours
122	Total Credit Hours