UNC Charlotte Baccalaureate Degree Plan

Computer Science (B.S.)

Concentration in Bioinformatics

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

cci.charlotte.edu

Additional Requirements /	Transfer Admission Requirements: for direct admission into the College of Computing & Informatics
Special Note for Admission	24 transferable credits complete
to the upper division in	Cumulative GPA of 2.5 or higher
major:	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
	higher prior to transferring

		NC Community College Course	UNC Charlotte Equivalent Course	Notes
	3	CSC 151: Java Programming **	ITSC 1212: Introduction to Computer Science I **	
G 1	4	MAT 171: Precalculus Algebra UGETC: Math	MATH 1100: College Algebra	
Semester 1 14 Credit Hrs	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
	3	CSC 251: Advanced Java Programming **	ITSC 1213: Introduction to Computer Science II **	
	3	Additional GEN ED or Pre-Major/Transfer Elective	Additional GEN ED or Pre-Major/Transfer Elective	
Semester 2	4	MAT 172: Precalculus Trigonometry	MATH 1103: Precalc Math Science and Engr	
16 Credit Hrs	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	
		NC Community College Course	UNC Charlotte Equivalent Course	Notes
	3	CSC 249: Data Structures and Algorithms**	ITSC 2214: Data Structures and Algorithms**	
	4	MAT 271: Calculus I*	MATH 1241: Calculus I *	
Semester 3 17 Credit Hrs	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
	4	MAT 272: Calculus II	MATH 1242: Calculus II	
	3	MAT 280: Linear Algebra *	MATH 2164: Matrices & Linear Algebra *	
Semester 4 16 Credit Hrs	3	Student Choice UGETC: Humanities/ Fine Arts	General Education Course	
10 010010 1110	3	Student Choice UGETC: Social/Behavioral	General Education Course	
	3	Additional GEN ED	Additional GEN ED	

Critical Course Indicator	
2 Star (**) Critical	Critical Success Course that is a required introductory or prerequisite course within the Major and/or prerequisite course for UNC Charlotte
Course	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
	4	BINF 1101 with lab	
a . .	3	ITSC 3155: Software Enginering	
Semester 5 16 Credit Hrs	3	STAT 2122: Introduction to Probability and Statistics	
10 Cledit IIIs	4	BINF 2111 with lab	
	2	ITSC 2600: Computing Professionals	
		LINC Charlette Faviralent Course	Notes
	3	UNC Charlotte Equivalent Course	Notes
		ITSC 3146: Operating Sytems and Networking	
Semester 6	3	ENGL 2116: Intro to Technical Communications	
16 Credit Hrs	4	ITSC 3181: Logic and Computer Systems	
	3	BINF 3101: Sequence	
	3	BINF: Database Analytics Elective	
		UNC Charlotte Equivalent Course	Notes
	3	Elective Course in Outside Discipline	Notes
	3	BINF: Professional Development Elective	
Semester 7 13 Credit Hrs	4	BINF: Upper Division Elective	
	3	Elective Course in Outside Discipline	
		UNC Charles Facility Comme	N. A
		UNC Charlotte Equivalent Course	Notes
	3	ITCS 3688: Computers & Their Impact on Society	
Semester 8	3	Elective Course in Outside Discipline	
13 Credit Hrs	1	BINF 4600	
	3	Elective Course in Outside Discipline	
	3	BINF 4650 or 4900: CS Capstone	
[63	Total NCCCS Credit Hours	
		Total UNC Charlotte Hours	
	121	Total Credit Hours	