Fayetteville State University
Four-Year Degree Plan

Computer Science, BS

Catalog: 2018-2019   **Type:** Community College Transfer - AS   **Last Update:** 10/10/2018

This Plan illustrates how students who earn an Associate's degree from a NC community college can meet degree course requirements in four years. Some courses listed below may be taken in an alternate order. Consider prerequisites, prior credit, course availability, and student needs in developing the individual plan. Courses fulfilling requirements are listed on the reverse. For information about prerequisites and other program requirements, consult the appropriate Catalog Program of Study and an advisor.

Year/Term	Course/Requirement	Cr	Pre	Req	Note/Equivalent	Year/Term	Course/Requirement	Cr	Pre	Req	Note/Equivalent
Year 1 Fall	**Community College**	**14**				**Year 1 Spring**	**Community College**	**15**			
ACA 122 - College Transfer Success		1	C	1.1	UNIV 110	ENG 112 - Writing/Research in the Disc		3	C	2.1	ENGL 120
ENG 111 - Writing and Inquiry		3	C	2.1	ENGL 110	MAT 172 - Precalculus Trigonometry		4	C	3.22	MATH 130
UGETC: Comm/Hum		3	C	2.2	Humn Creative Arts	UGETC: Natural Sci		4	C	5.12	Natural Sci
MAT 171 - Precalculus Algebra		4	C	3.22	MATH 129	CSC 115		4	C	9.11	Major Required
UGETC: Soc/Behav Sci		3	C	5.2	Social Sci						
Year 2 Fall	**Community College**	**18**				**Year 2 Spring**	**Community College**	**15**			
UGETC: Comm/Hum		3	C	2.2	Humn Creative Arts	GEN ED: Addl - MAT 152*		4	C	8.2	STAT 202
UGETC: Natural Sci		4	C	5.12	Natural Sci	GEN ED: Addl - MAT 272*		4	C	8.2	MATH 241
UGETC: Soc/Behav Sci		3	C	5.2	Social Sci	CSC 130 - Computing Fundamentals I		4	C	9.11	CSC 130
GEN ED: Addl - MAT 271*		4	C	8.2	MATH 142	MAT 167 - Discrete Mathematics		3	C	9.11	MATH 150
CSC 120 - Computing Fundamentals I		4	C	9.11	CSC 120						
Year 3 Fall	**Fayetteville State**	**15**				**Year 3 Spring**	**Fayetteville State**	**15**			
CSC 200 or higher		3	C	9.1		CSC 300 or higher		3	C	9.1	
CSC 202 - Programming in C		3	Y	9.1	CSC 234	CSC 303 - Computer Org & Architecture II		3	Y	9.1	
CSC 207 - Logic Programming		3	Y	9.1		CSC 320 - Design and Analysis of Algorit		3	Y	9.1	
CSC 201 - Basic Cmptr Org & Assembly Lan		3	Y	9.11	Major Required	CSC 322 - Programming Languages		3	Y	9.1	
CSC 220 - Data Structure/ Algorithms		3	Y	9.11	CSC 249	MATH 251 - Linear Algebra		3	Y	9.12	MAT 280
Year 4 Fall	**Fayetteville State**	**16**				**Year 4 Spring**	**Fayetteville State**	**12**			
CSC 350 - Service Learning		2	Y	9.1		CSC 400 or higher		3	C	9.1	
CSC 403 - Social/Eth & Prof Issues		1	Y	9.1		CSC 490 - Senior Project		3	Y	9.1	
CSC 431 - Prin Operating Systems		3	Y	9.1		Major Elective		3	C	9.2	
CSC 470 - Software Engineering		3	Y	9.1		Free Elective		3	C	11	
Major Elective		3	C	9.2							
Science Elective		4	C	9.21							

Degree Total: **120**

Requirements/Notes

Pre.   Prerequisite: Y (Yes) - Course/Requirement has prerequisite(s). N (No) - Course/Requirement has no prerequisite. C (Check) - Some courses satisfying requirement have prerequisites and/or courses have non-prerequisite restrictions. Check Catalog for details.

*   Recommended. For transfer courses, following recommendations will reduce or eliminate the need to take additional courses at FSU. For FSU courses, following recommendations will optimize the student's educational experience. If in doubt, consult an advisor.

UGETC.   Universal General Education Transfer Component course. Accepted as satisfying a general education requirement at any UNC institution.

1.1.   **Transfer Success.** ACA 122 .

2.1.   **UGETC: English Comp.** ENG 111 Or ENG 112 .

2.2.   **UGETC: Comm/Hum.** COM 231 Or ART 111 Or ART 114 Or Art 115 Or ENG 231 Or ENG 232 Or ENG 241 Or ENG 242 Or MUS 110 Or MUS 112 Or PHI 215 Or PHI 240 .

3.22.   **UGETC: Math.** MAT 171 Or MAT 172 Or MAT 263 Or MAT 271 Or MAT 272 .

5.12.   **UGETC: Natural Sci.** AST 151 And AST 151A Or BIO 110 Or BIO 111 And BIO 112 Or CHM 151 And CHM 152 Or GEL 111 Or PHY 110 And PHY 110A Or PHY 151 And PHY 152 Or PHY 251 And PHY 252 .

5.2.   **UGETC: Soc/Behav Sci** .

8.2.   **GEN ED: Addl** .

9.1.   **Computer Science.** CSC 105 And CSC 120 And CSC 130 And CSC 201 And CSC 207 And CSC 220 And CSC 303 And CSC 320 And CSC 322 And CSC 351 And CSC 431 And CSC 470 And CSC 490 And three credits from CSC 200 or higher And three credits from CSC 300 or higher And three credits from CSC 400 or higher And select one from the following: CSC 202 Or CSC 204 CSC 121 may be taken in place of CSC 120, CSC 221 in place of CSC 130..

9.11.   **Pre-Maj/Elec** .

9.12.   **Math and Stats.** MATH 142 And MATH 150 And MATH 241 And MATH 251 And STAT 202 .

9.2.   **Major Elective.** Select one from MATH 242, MATH 260, MATH 300 or higher, PHYS 200 or higher, or STAT 300 or higher. Select one from CSC 300 or higher, GEOG 320, GEOG 325, MATH 242, MATH 260, MATH 300 or higher, PHYS 200 or higher, or STAT 300 or higher. Students must complete GEOINT certificate program to have GEOG 320 or GEOG 325 counted towards computer science major requirements..

9.21.   **Science Elective.** Four credits in addition to core requirements from the following: BIOL 150 Or BIOL 150L Or BIOL 160 Or BIOL 160L Or BIOL 200 Or CHEM 141 Or CHEM 141L Or CHEM 161 Or CHEM 161L Or CHEM 220 Or CHEM 221 Or PHYS 125 Or PHYS 125L Or PHYS 126 Or PHYS 126L Or PHYS 211 Or PHYS 212 Or ZOOL 200.

11.   **Free Elective** .