

Fayetteville State University**Computer Science, BS****Four-Year Degree Plan****Catalog: 2018-2019****Type: Freshman****Last Update: 10/10/2018**

This Plan illustrates how students 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. Note: NC community college transfers should consult one of the transfer plans.

Year/Term	Course/Requirement	Cr	Pre	Req	Note/Equivalent
Year 1 Fall		15			
	UNIV 101 - Freshman Seminar I	1	N	1.1	
	Core Transitional Life	2	N	1.2	
	ENGL 110 - English Composition I	3	N	2.1	
	PHIL 110 Or PHIL 220	3	N	3.1	
	MATH 131 - Algebra and Trigonometry	3	Y	3.2	
	CSC 105 - Intro Computer Tech Majors	3	N	9.1	
Year 2 Fall		17			
	BADM 215 Or SPEE 200	3	Y	2.2	
	Core Natural Sci with lab	4	C	5.1	
	CSC 130 - Program Design & Implement	3	Y	9.1	
	MATH 150 - Discrete Mathematics	3	Y	9.12	
	MATH 241 - Calculus with Anal Geometry II	4	Y	9.12	
Year 3 Fall		15			
	Core Global Literacy	3	C	7	
	CSC 200 or higher	3	C	9.1	
	Humn Creative Arts or CSC 202	3	C	9.1	
	CSC 207 - Logic Programming	3	Y	9.1	
	CSC 431 - Prin Operating Systems	3	Y	9.1	
Year 4 Fall		13			
	CSC 350 - Service Learning	2	Y	9.1	
	CSC 403 - Social/Eth & Prof Issues	1	Y	9.1	
	CSC 470 - Software Engineering	3	Y	9.1	
	Major Elective or CSC 200 or higher	3	C	9.2	
	Science Elective	4	C	9.21	

Degree Total: 120

Year/Term	Course/Requirement	Cr	Pre	Req	Note/Equivalent
Year 1 Spring		17			
	UNIV 102 - Freshman Seminar II	1	N	1.1	
	ENGL 120 - English Composition II	3	Y	4	
	Core Ethics Civic Engage	3	C	8	
	CSC 120 - Intro Programming Methodology	3	Y	9.1	
	MATH 142 - Calculus with AnalyticGeometry	4	Y	9.12	
	MATH 150 - Discrete Mathematics	3	Y	9.12	
Year 2 Spring		16			
	Core Natural Sci with lab	4	C	5.1	
	Humn Creative Arts or CSC 204	3	C	6	
	CSC 201 - Basic Cmpttr Org & Assembly Lan	3	Y	9.1	
	CSC 220 - Data Structure/ Algorithms	3	Y	9.1	
	STAT 202 - Basic Probability and Stats	3	Y	9.12	
Year 3 Spring		15			
	Core Social Sci	3	N	5.2	
	CSC 200 or higher	3	C	9.1	
	CSC 303 - Computer Org & Architecture II	3	Y	9.1	
	CSC 320 - Design and Analysis of Algorit	3	Y	9.1	
	CSC 322 - Programming Languages	3	Y	9.1	
Year 4 Spring		12			
	CSC 200 or higher	3	C	9.1	
	CSC 490 - Senior Project	3	Y	9.1	
	Major Elective	3	C	9.2	
	Free Elective	3	C	11	

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.

- 1.1. **Core Transitional UNIV.** (UNIV 101 And UNIV 102) Or UNIV 110 Or UNIV 111 . UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.
- 1.2. **Core Transitional Life.** ENTR 100 Or FINC 100 Or GEOG 110 Or HEED 112 Or HEED 113 Or PEDU 101 Or PEDU 107 Or PEDU 112 Or PEDU 120 Or PEDU 122 Or PEDU 130 Or PEDU 132 Or PEDU 140 .
- 2.1. **Core Written Comm.** ENGL 110 .
- 2.2. **Core Oral Comm.** BADM 215 Or SPEE 200 .
- 3.1. **Core Critical Thinking.** PHIL 110 Or PHIL 220 . Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.
- 3.2. **Core Quantitative Reason.** MATH 129 And MATH 130 Or MATH 131 . MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.
4. **Core Info Literacy.** ENGL 120 .
- 5.1. **Core Natural Sci.** BIOL 150 Or BIOL 150L Or BIOL 160 Or BIOL 160L Or CHEM 141 Or CHEM 141L Or CHEM 161 Or CHEM 161L Or PHYS 121 Or PHYS 122 Or PHYS 125 Or PHYS 125L Or PHYS 126 Or PHYS 126L . At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.
- 5.2. **Core Social Sci.** CRJC 210 Or ECON 211 Or ECON 212 Or GEOG 210 Or HIST 212 Or HIST 271 Or POLI 200 Or POLI 210 Or POLI 220 Or POLI 270 Or PSYC 210 Or SOCI 210 .
6. **Core Humn Creative Arts.** ART 210 Or COMM 220 Or ENGL 220 Or ENGL 223 Or ENGL 240 Or ENGL 250 Or ENGL 253 Or HIST 210 Or HUMN 211 Or HUMN 212 Or MUSI 210 Or MUSI 225 Or MUSI 260 Or PHIL 210 Or RELI 215 Or THEA 203 .
7. **Core Global Literacy.** ANTH 210 Or ART 150 Or ART 215 Or BADM 210 Or CHIN 110 Or CHIN 120 Or ENGL 211 Or ENGL 212 Or FREN 110 Or FREN 120 Or GEOG 220 Or GLOBL 200 Or HIST 110 Or HIST 120 Or HIST 270 Or PHIL 211 Or POLI 230 Or SOCI 150 Or SPAN 110 Or SPAN 112 Or SPAN 120 Or SPAN 122 Or THEA 242 Or YORU 110 Or YORU 120. Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.
8. **Core Ethics Civic Engage.** BADM 220 Or COHE 200 Or CRJC 203 Or EDUC 211 Or ENEC 210 Or ENGL 232 Or ENGL 233 Or ETCE 101 Or ETCE 102 Or ETCE 103 Or ETCE 200 Or GEOG 270 Or HCM 200 Or HIST 211 Or PHIL 120 Or PHIL 212 Or PNUR 210 Or POLI 110 Or POLI 150 Or SPTM 210 Or SWRK 220 . Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.
- 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.
- 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** .