

**Fayetteville State University****Mathematics, BS****Four-Year Degree Plan****Catalog: 2017-2018****Plan Type: Freshman****Last Update: 2/18/2018**

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. 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
<b>Year 1 Fall</b>		<b>15</b>			
	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	
	Core Humn Creative Arts	3	C	6	
<b>Year 2 Fall</b>		<b>17</b>			
	BADM 215 Or SPEE 200	3	Y	2.2	
	Core Natural Sci with lab	4	C	5.1	
	MATH 241 - Calculus with Anal Geometry II	4	Y	9.1	
	MATH 262 - Modern Geometry	3	Y	9.1	
	CSC 105 - Intro Computer Tech Majors	3	N	9.3	
<b>Year 3 Fall</b>		<b>15</b>			
	Core Ethics Civic Engage	3	C	8	
	MATH 331 - Differential Equations I	3	Y	9.1	
	MATH 412 - Advanced Calculus	3	Y	9.1	
	STAT 301 - Introduction to Probability	3	Y	9.3	
	CSC 130 - Program Design & Implement	3	Y	9.3	
<b>Year 4 Fall</b>		<b>15</b>			
	MATH 400-level Elective	3	C	9.1	
	MATH 361 - Intro Mod Algebra I	3	Y	9.1	
	Restricted Elective	3	C	9.4	
	Restricted Elective	3	C	9.4	
	Free Elective	3	C	11	

**Degree Total: 120**

Year/Term	Course/Requirement	Cr	Pre	Req	Note/Equivalent
<b>Year 1 Spring</b>		<b>17</b>			
	UNIV 102 - Freshman Seminar II	1	N	1.1	
	ENGL 120 - English Composition II	3	Y	4	
	Core Social Sci	3	N	5.2	
	Core Global Literacy	3	C	7	
	MATH 150 - Discrete Mathematics	3	Y	9.1	
	MATH 142 - Calculus with AnalyticGeometry	4	Y	9.1	
<b>Year 2 Spring</b>		<b>17</b>			
	Core Natural Sci with lab	4	C	5.1	
	MATH 260 - Foundations of Mathematics	3	Y	9.1	
	MATH 251 - Linear Algebra	3	Y	9.1	
	MATH 242 - Calculus w/ Anal Geom III	4	Y	9.1	
	CSC 120 - Intro Programming Methodology	3	Y	9.3	
<b>Year 3 Spring</b>		<b>12</b>			
	MATH 400-level Elective	3	C	9.1	
	MATH 312 - History of Mathematics	3	Y	9.1	
	CSC 202 Or CSC 204	3	C	9.3	
	STAT 302 - Mathematical Statistics	3	Y	9.3	
<b>Year 4 Spring</b>		<b>12</b>			
	MATH 400-level Elective	3	C	9.1	
	MATH 362 - Intro Mod Algebra II	3	Y	9.1	
	Restricted Elective	3	C	9.4	
	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 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 And BIOL 150L Or BIOL 160 And BIOL 160L Or CHEM 141 And CHEM 142 And CHEM 161 And CHEM 162 Or PHYS 121 And PHYS 122 Or PHYS 125 And PHYS 125L Or PHYS 126 And 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 POLI 200 Or POLI 210 Or POLI 220 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 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. Mathematics.** MATH 142 And MATH 150 And MATH 241 And MATH 242 And MATH 251 And MATH 260 And MATH 262 And MATH 312 And MATH 331 And MATH 361 And MATH 362 And MATH 412 And Select three: MATH 431 Or MATH 461 Or MATH 472 Or MATH 481 Or MATH 492.
- 9.3. Other Requirements.** STAT 301 And STAT 302 And CSC 105 And CSC 120 And CSC 130 And CSC 202 Or CSC 204.
- 9.4. Restricted Elective.** BIOL 150-BIOL 499 Or CHEM 141-CHEM 499 Or CSC 200-CSC 499 Or MATH 300-MATH 499 Or PHYS 125-PHYS 499 Or STAT 315-STAT 499 Or ECON 200-ECON 499 Or MATS 100-MATS 499 Select at least 9 credits in addition to the Scientific Literacy - Natural Sciences requirement and the other course requirements.
- 11. Free Elective.**