

Bachelor of Science in Mathematics
Teaching Licensure Concentration (Secondary Education 9-12)
Freshman Curriculum Planning Guide and Four-Year Plan
Fayetteville State University
(2021-2022)

University College Core Curriculum (General Education - 39 Credits)	Course Number ¹	Cr.	FSU Equivalent
Transitional Studies – University Studies (2 Credits) <i>Select one option from (UNIV 101/102) or UNIV 110 or UNIV 111 or UNIV 112</i>	ACA 122 (1 cr.)	2	Waived with 30 credit hours ²
Transitional Studies – Life Skills (2 Credits) <i>Select two credits from the following: 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</i>	HEA 110 or any PED course	2	Waived with AA/AS, NOT with AAS/AGE ^{2,3}
Communication Skills – Written Communication (3 Credits) – ENGL 110	ENG 111	3	ENG 110
Information Literacy (3 Credits) – ENGL 120	ENG 112	3	ENG 120
Communication Skills – Oral Communication (3 Credits) <i>BADM 215 or SPEE 200</i>	BUS 260 or COM 231	3	BADM 215 or SPEE 200
Reasoning Skills – Critical Thinking (3 Credits) <i>Select one from the following: PHIL 110 or PHIL 220</i>	HUM 115	3	Waived with 60 credit hours ²
Reasoning Skills – Quantitative Reasoning (3 Credits) <i>Select one from the following: MATH 127 or MATH 129 and MATH 130 or MATH 131</i>	MAT 171 and MAT 172	3	MATH 131 (or MATH 129 and MATH 130)
Scientific Literacy – Natural Sciences (8 Credits)⁴ <i>Select from the following: (BIOL 150 and BIOL 150L and BIOL 160 and BIOL 160L) or (CHEM 141 and CHEM 141L and CHEM 161 and CHEM 161L) or (PHYS 125 and PHYS 125L and PHYS 126 and PHYS 126L)</i>	Science course with lab	4	
	Science course with lab	4	Waived with AA, NOT with AS/AAS/AGE ^{2,3}
Scientific Literacy – Social Sciences (3 Credits) <i>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 ENEC 270 or PSYC 210 or SOCI 210</i>	Social science elective	3	
Humanities and Creative Arts (3 Credits) <i>Select one from the following: 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 HUMN 213 or HUMN 215 or MUSI 210 or MUSI 225 or MUSI 260 or PHIL 210 or RELI 215 or THEA 203</i>	Hum/Fine Arts elective	3	
Global Literacy (3 Credits)⁵ <i>Select one from the following: 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 GLOB 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 SPAN 211 or THEA 242 or YORU 110 or YORU 120</i>	Foreign language or Global literacy course	3	Waived with AA/AS, NOT with AAS/AGE ²
Ethics and Civic Engagement (3 Credits) <i>Select three credits from the following: EDUC 211</i>	EDUC 216	3	EDUC 211

Notes

- 1 Courses are for the North Carolina Community College (NCCC) system. Other courses may satisfy requirement.
- 2 Students do not earn credit if any requirement is waived. All students must earn at least 120 credits to graduate.
- 3 NCCC Associate in Arts (AA), Associate in Science (AS), Associate in Applied Science (AAS), Associate in General Education (AGE). Per NC Comprehensive Articulation Agreement, NCCC graduates with AA or AS have completed FSU general education requirements. NCCC general education courses not used for core may be applied to free electives or used to reach 120 credits. AAS, AFA, and other specific degrees may be governed by articulation agreements.
- 4 At least one Natural Science class must include a lab.
- 5 Not required for students with 30 or more transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Mathematics Teaching Program Requirements (81 Credits)	Course Number	Cr.	FSU Equivalent
Professional Education Courses (33 Credits) <i>EDUC 310 And EDUC 330 And EDUC 331 And EDUC 455 And EDUC 460 And EDUC 480 And EDUC 490 And READ 320 And SPED 320. (EDUC 455 And EDUC 460 And READ 320 may not be taken until student is admitted to Teacher Education. EDUC 480 and EDUC 490 may not be taken until student is admitted to Clinical Experience and are taken during the last and final semester)</i>		3	EDUC 310
		3	EDUC 330
		3	EDUC 331
	EDU 221	3	SPED 320
		3	READ 320
		3	EDUC 455
		3	EDUC 460
		11	EDUC 480
		1	EDUC 490
	Mathematics Concentration (42 Credits) <i>MATH 142 And MATH 150 And MATH 241 And MATH 242 And MATH 251 And MATH 260 And MATH 262 MATH 312 And MATH 331 And MATH 361 And MATH 485 And Select any two 400-level MATH courses</i>	MAT 271	4
MAT 167		3	MATH 150
MAT 272		4	MATH 241
MAT 273		4	MATH 242
MAT 280		3	MATH 251
		3	MATH 260
		3	MATH 262
		3	MATH 312
		3	MATH 331
		3	MATH 361
		3	MATH 485
		3	MATH 400 or higher
		3	MATH 400 or higher
Other Course Requirements (6 Credits) <i>STAT 301 And CSC 105 or higher CSC course</i>		3	STAT 301
	CIS 115 or CSC 120 or higher		CSC 105 or higher CSC course
Waived Core Requirements <i>The credits in this area increase as requirements are waived without credit in the university core – typically 7 credits to equal 120 credits overall; add extra lines as needed.</i>			
Total Credits		120	
Transfer Credits			

Other Program Requirements

See Admission Requirements for Teacher Education majors on the College of Education catalog page. Student must fulfill all requirements for admission to Teacher Education.

- 1 A student must pass prerequisite courses with a grade of C or higher before enrolling in subsequent courses.
- 2 The mathematics major must complete a departmental comprehensive examination in the senior year.
- 3 Any student enrolled in a CSC or MATH course who does not meet the prerequisites for that course will be dropped.
- 4 Students must earn a grade of C or higher in all major courses and have a minimum GPA of 2.7.