

Bachelor of Science in Elementary Education
MATHEMATICS Concentration
Freshman Curriculum Planning Guide and Four-Year Plan
Fayetteville State University
(2019-2020)

| University College Core Curriculum (38-40 Credits) | Course | Cr. | Term | Grade |
|--|-------------------------|-----|------|-------|
| Transitional Studies – University Studies (2 Credits)¹ UNIV 101 UNIV 102 | UNIV 101 | 1 | | |
| | UNIV 102 | 1 | | |
| Transitional Studies – Life Skills (2 Credits) HEED 112 | HEED 112 | 2 | | |
| | | | | |
| Communication Skills – Written Communication (3 Credits) – ENGL 110 | ENGL 110 | 3 | | |
| Information Literacy (3 Credits) – ENGL 120 | ENGL 120 | 3 | | |
| Communication Skills – Oral Communication (3 Credits) SPEE 200 | SPEE 200 | 3 | | |
| Reasoning Skills – Critical Thinking (3 Credits)² PHIL 110 | PHIL 110 | 3 | | |
| Reasoning Skills – Quantitative Reasoning (3-4 Credits)³ MATH 123 | MATH 123 | 3 | | |
| Scientific Literacy – Natural Sciences (7-8 Credits)⁴ <i>Select from the following:</i> NSCI 111/111L and NSCI 121/121L | NSCI 111/111L | 4 | | |
| | NSCI 121/NSCI 121L | 4 | | |
| Scientific Literacy – Social Sciences (3 Credits) SOC 210 | SOCI 210 | 3 | | |
| Humanities and Creative Arts (3 Credits) HUMN 211 or HUMN 212 | HUMN 211 or HUMN 212 | 3 | | |
| Global Literacy (3 Credits)⁵ HIST 110 or HIST 120 | HIST 110 or HIST 120 | 3 | | |
| Ethics and Civic Engagement (3 Credits) EDUC 211 | EDUC 211 | 3 | | |

Notes

- 1 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
- 2 Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived
- 3 MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.
- 4 At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits
- 5 Not required for students with 30 or more transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

| Elementary Education Program Requirements (80-82 Credits) | Course | Cr. | Term | Grade |
|--|---------------|------------|-------------|--------------|
| Professional Education Courses (30 Credits) EDUC 210 and EDUC 211 and EDUC 310 and EDUC 330 and EDUC 331 and ENGL 300 and ELEM 471 and ELEM 491 and SPED 320 *EDUC 211 – Not counted in final calculations. | EDUC 210 | 3 | | |
| | EDUC 211* | 3 | | |
| | EDUC 310 | 3 | | |
| | EDUC 330 | 3 | | |
| | EDUC 331 | 3 | | |
| | ENGL 300 | 3 | | |
| | ELEM 471 | 10 | | |
| | ELEM 491 | 2 | | |
| | SPED 320 | 3 | | |
| Major Elective Courses (7 Credits) MATH Elective PEDU (101 – 140) PSYC 210 | MATH | 3 | | |
| | PEDU | 1 | | |
| | PSYC 210 | 3 | | |
| Elementary Education Major Core Requirement] Courses (27 Credits) ELEM 320, ELEM 335, ELEM 400, ELEM 401, ELEM 402, HIST 211 or HIST 212 | ELEM 320 | 3 | | |
| | ELEM 335 | 3 | | |
| | ELEM 400 | 6 | | |
| | ELEM 401 | 6 | | |
| | ELEM 402 | 6 | | |
| MATHEMATICS CONCENTRATION Courses (12 Credits) Select 12 hours from the following courses: (MATH 121, MATH 129, MATH 130 may be required; MATH 129-MATH 130 with C in each substitute for MATH 131) MATH 131, MATH 142 or MATH 241 or MATH 242 or MATH 251 or MATH 262 or STAT 202 | MATH | 3 | | |
| | MATH | 3 | | |
| | MATH | 3 | | |
| | MATH | 3 | | |
| Minor or Free Electives: (5 Credits) EDUC 291 Restrictive Elective: ELEM 451 | EDUC 291 | 2 | | |
| | ELEM 451 | 3 | | |
| Total Credits | | | | |
| | | 120 | | |

Other Program Requirements

- 1 Students who take HIST 211 must take HUMN 212. Students who take HIST 212 must take HUMN 211
- 2 If passing ACT/SAT/Praxis Scores and 15 hours of ECE, observation are documented
- 3 Admission to teacher education is required.
- 4 Students do not earn credit if requirements are waived.

Four-Year Plan

This Plan illustrates how students can meet degree course requirements in four years. Some courses listed below may be taken in an alternate order. Courses fulfilling requirements are listed on the previous pages. For information about prerequisites and other program requirements, consult the appropriate Catalog Program of Study and an advisor. Students should work with advisor to create and update an individual plan in Degree Works.

| Year 1 Fall | | |
|------------------------|---------------|-----------|
| Requirement | Course | Cr |
| University Studies | UNIV 101 | 1 |
| Written Communication | ENGL 110 | 3 |
| Life Skills | HEED 112 | 2 |
| Critical Thinking | PHIL 110 | 3 |
| Quantitative Reasoning | MATH 123 | 3 |
| Social Sciences | SOCI 210 | 3 |
| Total: | | 15 |

| Year 1 Spring | | |
|------------------------------|-------------------------|-----------|
| Requirement | Course | Cr |
| University Studies | UNIV 102 | 1 |
| Information Literacy | ENGL 120 | 3 |
| Oral Communication | SPEE 200 | 3 |
| Humanities and Creative Arts | HUMN 211 or HUMN 212 | 3 |
| Global Literacy | HIST 110 or HIST 120 | 3 |
| Professional Education | EDUC 210 | 3 |
| Total: | | 16 |

| Year 2 Fall | | |
|-----------------------------|-------------------------|-----------|
| Requirement | Course | Cr |
| Scientific Literacy | NSCI 111 & NCSI 111L | 3 1 |
| Ethics and Civic Engagement | EDUC 211 | 3 |
| Professional Education | EDUC 310 | 3 |
| Major Elective | PSYC 210 | 3 |
| Major Elective | MATH Elective | 3 |
| Total: | | 16 |

| Year 2 Spring | | |
|---------------------------|--------------------|-----------|
| Requirement | Course | Cr |
| Scientific Literacy | NSCI 121 & 121L | 4 |
| Professional Education | EDUC 330 | 3 |
| Elementary Ed Major Core | ELEM 320 | 3 |
| Mathematics Concentration | | 3 |
| Mathematics Concentration | | 3 |
| Total: | | 16 |

| Year 3 Fall | | |
|---------------------------|-------------------------|-----------|
| Requirement | Course | Cr |
| Professional Education | EDUC 331 | 3 |
| Professional Education | ENGL 300 | 3 |
| Elementary Ed Major Core | HIST 211 or HIST 212 | 3 |
| Elementary Ed Major Core | ELEM 335 | 3 |
| Mathematics Concentration | | 3 |
| Total: | | 15 |

| Year 3 Spring | | |
|---------------------------|---------------|-----------|
| Requirement | Course | Cr |
| Professional Education | SPED 320 | 3 |
| Mathematics Concentration | | 3 |
| Free Elective | EDUC 291 | 2 |
| Restrictive Elective | ELEM 451 | 3 |
| Major Elective | PEDU Elective | 1 |
| Total: | | 12 |

| Year 4 Fall | | |
|--------------------------|---------------|-----------|
| Requirement | Course | Cr |
| Elementary Ed Major Core | ELEM 400 | 6 |
| Elementary Ed Major Core | ELEM 401 | 6 |
| Elementary Ed Major Core | ELEM 402 | 6 |
| Total: | | 18 |

| Year 4 Spring | | |
|------------------------|---------------|-----------|
| Requirement | Course | Cr |
| Professional Education | ELEM 471 | 10 |
| Professional Education | ELEM 491 | 2 |
| Total: | | 12 |