

Elementary Education: STEM Concentration (K-6)

Intro to Education (*C or better required*)

- ____ (2) ED 100 (Fall Freshmen) OR
 ____ (2) ED 150/151-SAY Village (Fall & Spring Freshmen)

Writing

- ____ (4) ENG 101 Academic Writing & Research (*C- or better required*)

Mathematics

- ____ (3) MA 151 Calculus for Elementary Education I (Spring Only)
 ____ (3) MA 152 Calculus for Elementary Education II (Fall Only)
 ____ (3) ST 311 Intro to Statistics
 ____ (3) _____ STEM Conc: Choose a GEP Math course

Sciences

- ____ (4) PY 131/131L Conceptual Physics (section for ELM – So. Spring Only)
 ____ (3) _____ STEM Conc: Choose a GEP Natural Sciences course

Choose a BIO or CH course

- ____ (4) CH 100 or CH 101/102
 ____ (4) BIO 105/106 or BIO 181

Engineering, Tech, Design: STEM Conc. – Choose one course

- ____ (3) ECI 201 Intro to Instructional Technology for Educators
 ____ (3) GC 120 Foundations of Graphics
 ____ (3) MSE 201 Structure and Properties of Engineering Materials
 ____ (3) D 100 + D 101 Design Methods and Processes
 ____ (3) STS 210(USD), 214, 257, 302(GK), 304, 322, or 405
 ____ (3) AEE/ANS/PB 208 Agriculture Biotechnology
 ____ (3) ANT/SOC 261(GK) Technology in Society and Culture

Humanities & Social Sciences

- ____ (3) _____ Choose one ENG literature course from the GEP Humanities list
(recommend FL 424 Linguistics for ESL Professionals)
 ____ (3) _____ Choose one History (HI) course from the GEP Humanities list
 ____ (3) EDP 304 Educational Psychology (*C or better required*)
 ____ (3) EDP 370 Applied Child Development (*Fall only*) OR PSY 376 Developmental Psych
 ____ (3) SOC 202, 203, 204 or ANT 254
 ____ (3) _____ Choose one non-Sociology course from the GEP Social Sciences list
(strongly recommend ENG 210 Introduction to Language and Linguistics)

GEP Courses

- ____ (1) _____ Any 100 level Health & Exercise Studies
 ____ (1) _____ Any Health & Exercise Studies Course
 ____ (3) _____ Additional Breadth – Choose one GEP Math or Science course
 ____ (3) _____ Interdisc Perspectives
 ____ (2-3) _____ Interdisc Perspectives (ECI 305 Equity and Education*USD)

USD and GK may “double-count” for both co-req and another GEP Requirement

- ____ US Diversity Co-Requisite _____
 ____ Global Knowledge Co-Requisite _____
 ____ Foreign Language Proficiency _____

ELM majors should make every effort to complete all Freshman and Sophomore courses before Fall Semester, Junior Year.

ELM Juniors and Seniors are organized into cohorts and matriculate through pre-set course schedules - limiting availability to add additional courses.

All Junior and Senior courses require a C or better.

SOPHOMORE YEAR

Spring Semester

- ____ (3) ELM 250 Intro to Elementary Education
B or better required

JUNIOR YEAR

Fall Semester

- ____ (3) ELM 375 Cultural Identity, Social Justice, Diverse Learners
 ____ (3) ELM 310 Children’s Thinking and Additive Reasoning
 ____ (3) ELM 320 Teaching Science in the Primary Grades
 ____ (3) ELM 330 Teaching Reading in Elem School : K-2
 ____ (3) ELM 340 Children Design, Create and Invent

Spring Semester

- ____ (3) ELM 410 Children’s Thinking and Multiplicative Reasoning
 ____ (3) ELM 460 Social Studies for the Young Learner
 ____ (3) ELM 420 Teaching Science in the Intermediate Grades
 ____ (3) ELM 335 Teaching Reading in the Elementary School: 3-5
 ____ (2) ED 311/312 Classroom Assessment Princ & Pract *Prerequisite: ATC*
 ____ (1) ED 312 Classroom Assessment Principles & Practices Lab *Prerequisite: ATC*

SENIOR YEAR

Fall Semester

- ____ (3) ELM 370 The Elm Classrm and School Comm.
 ____ (3) ELM 440 Teaching Children with Special Needs in the Elm Classroom
 ____ (3) ELM 430 Teaching Language Arts in the Elementary School
 ____ (3) ELM 450 The Arts for the Elementary Education
 ____ (3) ELM 400 Instructional Design and Assessmt

Spring Semester *Prior admission to Professional Semester required*

- ____ (9) ELM 484 Student Teaching in Elementary Education
 ____ (3) ELM 480 Connections Seminar IV: Linking Theory and Practice

Completed _____ out of 4.5

PROFESSIONAL GROWTH UNITS (PGU’s): must earn 4.5 PGU’s by graduation. Register for sessions and track PGU’s in SAGE → “Professional Development” tab
 PGU events and details can be found at: <https://ced.ncsu.edu/academics/professional-education/professional-development/>

ATC REQUIREMENTS (Admission to Teacher Candidacy): ____ ENG 101 ____ 2 Math courses ____ ELM 250 (B or better) ____ GPA at least 2.75 ____ Praxis I
Must be ATC by October of your fall junior year, in order to register for ED 311/312 for spring junior year. View your progress in SAGE → “Gateways” tab

TEST REQUIREMENTS for LICENSURE in Elementary Education: (complete after junior year)

____ Praxis Mathematics Content Knowledge (<https://www.ets.org>) ____ Pearson Foundations of Reading Test (<http://www.nc.nesinc.com>)