## 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)*
- (3) STS 210
- (3) D 100 + D 101
- (3) GC 120
- (3) ECI 201

### 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)*

### 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) Choose a GEP Natural Sciences course

### Sciences
- (3) PY 131/131L Conceptual Physics *(section for ELM – So. Spring Only)*
- (3) Choose a GEP Natural Sciences course

### 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

**Choose a BIO or CH course**
- (4) CH 100 or CH 101/102
- (4) BIO 105/106 or BIO 181

**GEOG 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*)

**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*)

### 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)*

### STEM Concentration:
- (2) ED 150/151
- (3) ELM 250 (B or better)

### 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 330 Teaching Reading in the Elementary School: 3-5
- (2) ED 311/312 Classroom Assessment Principles & Practices *(Prerequisite: ATC)*
- (1) ED 312 Classroom Assessment Principles & Practices Lab *(Prerequisite: ATC)*

### Senior Year

**Fall Semester**
- (3) ELM 370 The Elm Classroom 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 Assessment

**Spring Semester**
- (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

### ATC REQUIREMENTS (Admission to Teacher Candidacy):
- (2) ED 101 English courses
- (3) 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)*
- (2) Praxis Mathematics Content Knowledge *(https://www.ets.org)*
- (2) Pearson Foundations of Reading Test *(http://www.nc.nesinc.com)*