**Requirements for a Middle Level Endorsement for Teaching**

**Mathematics, Grades 5-8**

**(to be added to an Elementary Education License, Grades K-6)**

(updated June 2022)

**Mathematics 5-8 Endorsement** (12 additional credits)

\_\_\_\_\_\_\_ MATH 121\* Fundamentals of Mathematics **[AS, M1]** (4 credits)

\*course required of all ELED majors as well as being part of this endorsement

\_\_\_\_\_\_\_ MATH 119 Calculus I **[AS]** (4 credits)

\_\_\_\_\_\_\_ MATH 124 Probability and Statistical Inference **[AS, J1, QR, T1]** (4 credits)

\_\_\_\_\_\_\_ MATH 180\* Fundamentals of Mathematics II **[AS, T1]** (4 credits) Pre-req: MATH 121

\*course required of all ELED majors as well as being part of this endorsement

\_\_\_\_\_\_\_ EDUC 358 Middle Level Literacy and Pedagogy in Mathematics (4 credits) **(Fall Only)**

**Requirements for Teachers of Elementary Education, Grades K-6**

***Courses to be taken in 1st or 2nd year when possible.***

\_\_\_\_\_\_\_ EDUC 111 Introduction to Teaching and Learning in a Diverse World [**CI, EX**] (4 credits)

\_\_\_\_\_\_\_ EDUC 150 Fundamentals of Music **[AE]** (2 credits)

\_\_\_\_\_\_\_ MATH 121 Fundamentals of Mathematics **[AS]** (4 credits)

\_\_\_\_\_\_\_ MATH 180 Fundamentals of Mathematics II **[AS, T1]**(4 credits) Pre-req: MATH 121

***Course to be taken sophomore year opposite the block and after NW course***

\_\_\_\_\_\_\_ EDUC 323 Elementary Science Content **[NW, TRUTH ENC]** (4 credits)

\*If taken prior to Fall 2021, a Natural Science course with a Lab is also required.

***Elementary Education Block*** Pre-req: EDUC 111.

[ALL classes must be taken together fall or spring of second year]

\_\_\_\_\_\_\_ EDUC 151 Principles of Art **[AE]** 2 credits)

\_\_\_\_\_\_\_ EDUC 203 Human Growth and Development **[SW, J1]** **(**4 credits)

\_\_\_\_\_\_\_ EDUC 212 Clinical Experience K-8 (2 credits)

\_\_\_\_\_\_\_ EDUC 215 Literature for Children and Adolescents **[HE, J1]** (4 credits) or

EDUC 214 Embedded Children’s Lit in the UK **[HE]**

\_\_\_\_\_\_\_ EDUC 379A Educational Psychology **[SW, QR, TF]**(4 credits) Pre-req for EDUC majors EDUC 111;

Pre-req for non-EDUC majors: Sophomore standing, Learning Foundations, CSD:I

\_\_\_\_\_\_\_ EDUC 315 Art Pedagogy K-6 (2 credits)

***Co-requisite Courses***[cannot be taken in same semester as 325 and 334]

\_\_\_\_\_\_\_ EDUC 318 Social Studies Pedagogy K-6 (4 credits)

* + Pre-req: EDUC 379A and acceptance to ELED major

\_\_\_\_\_\_\_ EDUC 347 Reading, Writing, Language Growth K-6 (4 credits)

* + Pre-req: EDUC 379A and acceptance to ELED major

***Co-requisite Courses***[cannot be taken in same semester as 318 and 347]

\_\_\_\_\_\_\_ EDUC 325 Mathematics Pedagogy K-6 (4 credits)

* + Pre-req: EDUC 379A, MATH 121, 180 and acceptance to ELED major

\_\_\_\_\_\_\_ EDUC 334 Science Pedagogy K-6 (4 credits)

* + Pre-req: EDUC 323 and acceptance to ELED major

\_\_\_\_\_\_\_ EDUC 305 Human Exceptionalities (1 credit) Pre-req: EDUC 203

\_\_\_\_\_\_\_ EDUC 313 Teaching Physical Education K-6 (1 credit)

* + Pre-req: EDUC 379A and acceptance to ELED major

\_\_\_\_\_\_\_ EDUC 333 Music Pedagogy K-6 **[AE]** (2 credits)

* + Pre-req: EDUC 150 or music proficiency, 379A, and acceptance to ELED major

\_\_\_\_\_\_\_ EDUC 359 Issues in Education K-12 (1 credit)

* + Pre-req: EDUC 379A and acceptance to ELED major

\_\_\_\_\_\_\_ EDUC 390 Ethics in Human Relations **[CS]** (4 credits)

* + Pre-req: EDUC 379A and acceptance to ELED major, Junior, or Senior status

***Capstone Experience***Pre-req: successful completion of all requirements

\_\_\_\_\_\_\_ EDUC 361\* Student Teaching K-8 (16 credits)

* + For students obtaining a 5-8 Middle Level Endorsement, typically 12 weeks spent in an Elementary classroom and 5 weeks in an Endorsement-specific setting

Notes:

Classes to be taken first year/second year

EDUC 111, MATH 121, MATH 180 (if possible), EDUC 150

Elementary Block classes – Taken together in one semester of second year

Sequencing of Courses

EDUC 111 pre-req for all other EDUC classes

EDUC 323 needs to be taken before EDUC 334 – best to place opposite semester of the Elementary Block in second year

MATH 121 and 180 need to be taken before EDUC 325

EDUC 318 and 347 taken in same semester, any time after Block and not with EDUC 325/334

EDUC 325 and 334 taken in same semester, any time after Block and not with EDUC 318/347

EDUC 390 taken Junior/Senior year

EDUC 359 taken Junior/Senior year

Integrations Requirements fulfilled in Education courses

EDUC 111 – EX

EDUC 150 – AE, AR

EDUC 151 - AE

EDUC 203 - SW, J1

EDUC 214 - HE, J1

EDUC 215 – HE, J1

EDUC 216 – HE, J1

EDUC 323 – NW, TRUTH ENC

EDUC 333 - AE

EDUC 379A – SW, QR, TF

EDUC 390 – CS

MATH 121 – AS

MATH 180 – AS, TI