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

**Science, Grades 5-8**

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

**Science 5-8 Endorsement** (28 credits)

\_\_\_\_\_\_ BIOL 101 Foundations of Biology **[NW, NS, QR, T1]** (4 credits)

\_\_\_\_\_\_ BIOL 201 Intermediate Cell Biology and Genetics (4 credits)

\_\_\_\_\_\_ CHEM 125 Intro/Chemistry Structures and Properties (4 credits) **[NS, T1]**

\_\_\_\_\_\_ PHYS 105 Physics for the Life Sciences I **[M1, NS, NW, QR]** (4 credits)

\_\_\_\_\_\_ PHYS 106 Physics for the Life Sciences II **[NS, NW, T1]** (4 credits)

\_\_\_\_\_\_ EDUC 278 Multidisciplinary Science for Mid-Level Educators (4 credits) **Fall, Odd Years**

\_\_\_\_\_\_ EDUC 358 Middle Level Literacy and Pedagogy in the Sciences (4 credits) **Fall, Even Years**

**Requirements for Teachers of Elementary Education, Grades K-6** (updated May 2023)

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

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

\_\_\_\_\_\_\_ EDUC 150 Fundamentals of Music **[AE]** (2 credits) (pre-req EDUC 111)

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

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

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

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

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

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

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

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

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

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

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

­­­­­­\_\_\_\_\_\_\_ EDUC 323 Elementary Science Content **[NW T3] (**4 credits)

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

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

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

\_\_\_\_\_\_\_ EDUC 318 Social Studies Pedagogy K-6 **[EX]** (4 credits)

* + Pre-req: Acceptance to ELED major and concurrently enroll in EDUC 347

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

* + Pre-req: 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: MATH 121, 180, accepted to ELED and concurrently enroll in EDUC 334

\_\_\_\_\_\_\_ EDUC 334 Science Pedagogy K-6 **[WR]** (4 credits)

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

\_\_\_\_\_\_\_ EDUC 359 Issues in Education K-12 (Take semester prior to student teaching) (1 credit)

\_\_\_\_\_\_\_ EDUC 379A Educational Psychology **[SW, QR, TF] (**4 credits)

* Pre-req for EDUC majors EDUC 111 and to be taken concurrently with upper-level Pedagogy course – EDUC 325 & 334, or 318 & 347.
* Pre-req for non-EDUC majors: Sophomore standing, Learning Foundations, CSD: Identity, Theological Foundations

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

* + Acceptance to ELED major, Junior or Senior status

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

\_\_\_\_\_\_\_ EDUC 36X Student Teaching (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

*Please reference the appropriate endorsement advising sheet as applicable*

Classes to be taken first year/second year

EDUC 111, EDUC 109, MATH 121, MATH 180 (if possible), EDUC 150,

First-Year Teacher Shadow Field Experience (to be completed prior to sophomore 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 in second/third year

MATH 121 and 180 need to be taken before EDUC 325

EDUC 318 and 347 need to be taken in same semester and not with EDUC 325 and 334

EDUC 325 and 334 need to be taken in same semester and not with EDUC 318 and 347

EDUC 379A – taken with either 318/347 OR 324/334

EDUC 390 taken Junior/Senior year

EDUC 359 taken the semester before student teaching

Integrations Requirements fulfilled in Education courses

EDUC 111 – CI

EDUC 150 – AE

EDUC 151 – AE, AR

EDUC 203 - SW, J1

EDUC 212 - CI

EDUC 214 - HE

EDUC 215 – HE, J1

EDUC 216 – HE, J1

EDUC 318 - EX

EDUC 323 - NW, T3

EDUC 333 – AE

EDUC 379A – SW, QR, TF

EDUC 390 – CS, BN

MATH 121 – AS

MATH 180 – AS, T1

EDUC 301 Recommended but not

required [GL]