

3. GEOG110 World Regions (3 hrs)

4. See page 24

Area IV Arts and Humanities

1. See page 25

2. See page 25

3. See page 25

4. MUSC104 Elements of Music (2 hrs)

Additional Requirements.....9 hours

ESSC202 Earth Science for Elementary Teachers (3 hrs)

LITR207 Introduction to Children's Literature (3 hrs)

MATH108 Math for Elementary Teachers I (3 hrs)

Physical Education/Graduation Requirement2 hours**Major Requirements**..... 20-60 hours*Select three teaching minors, structure of the disciplines minor is built into the Professional Education curriculum and can serve as one of the three minors selected.***Minor Requirements**0 hours*The required structure of the disciplines minor is automatically met within this curriculum. An additional minor may be added if desired. Credit hours for an additional minor will vary.***Professional Studies**58 hours**Pre-Admission Phase: The Learner and the Community**8 hours

EDPS322 Human Development and Learning (4 hrs)

FETE201 Field Experience I (1 hr)

SPGN251 Education of Students with Exceptionalities (3 hrs)

*Courses that require formal admission to the Teacher Education Program:***Phase I: Technology, Diversity and Teaching Environments (may be taken with Phase II courses):** 11 hours

TEDU253 Technology Education for Children (3 hrs)

HLED320 Health Education in the Elementary Grades (2 hrs)

RDNG300 Early Literacy (3 hrs)

SOFD328 Schools in a Multicultural Society (3 hrs)

Phase II: Curriculum and Assessment (may be taken with Phase I courses): 7 hours

CURR304 Curriculum and Methods: Elementary (3 hrs)

EDPS340 Introduction to Assessment and Evaluation (3 hrs)

FETE301 Field Experience II: Elementary (1 hr)

*Students may not proceed to Phase III until Phase II is completed.***Phase III: Methods and Technology (may be taken with Phase IV courses):** 10 hours

BIOL303 Life Science for Elementary Teachers (3 hrs)

MATH381 Teaching of Mathematics K-6 (3 hrs)

EDMT330 Instructional Applications of Media and Technology (2 hrs)

PHED257 Physical Education for the Classroom Teacher (2 hrs)

Phase IV: Literacy, Culture and the Arts (may be taken with Phase III courses): 10 hours

RDNG310 Literacy Across the Curriculum in the Intermediate Grades (3 hrs)

FETE401 Field Experience II: Elementary (1 hr)

ART300 Art Integration for the Elementary Teacher (4 hrs)

MUSC320 Elementary Music Education (2 hrs)

Phase V: Capstone Experience 12 hours

EDUC492 Student Teaching (12 hrs)

University Elective Courses0 hours**Program Total**135 hours**ELEMENTARY EDUCATION PROGRAM
WITH AN EARLY CHILDHOOD
EDUCATION MINOR (ECE)****Elementary Teacher Certification**

Successful completion of this course of studies, in the context of other program requirements, qualifies the student for recommendation for certification for the Michigan Department of Education Elementary Provisional Certificate, which is valid for teaching all subjects K-5 for teaching in self-contained classrooms in grades six to eight, and for teaching in one's major or minor subject areas of concentration in grades six to eight. In addition, the student is qualified for recommendation for endorsement in early childhood, certification code ZA. Depending on the major selected (or two other minors selected), the individual will be eligible for an additional endorsement(s). Students with an early childhood minor may not select a structure of disciplines minor. The Michigan Test for Teacher Certification (MTTC) for this field are #81, "Early Childhood," #83, "Elementary," and those needed for subject area endorsements.

Elementary education and early childhood education students are required to attend a group advising session and then an open advising session before being assigned an adviser.

Required Courses.....17 hours

CURR214 The Developing Child in ECE (3 hrs)

CURR215 The Developing Professional in ECE (2 hrs)

CURR302 Methods of Integrating Curriculum and Resources in ECE (3 hrs)

CURR303 Implementing the Curriculum in ECE (2 hrs)

EDPS341 Assessment of the Young Child (3 hrs)

EDUC495 Student Teaching (4 hrs)

Restricted Elective Courses.....9 hours*Three courses from the following:*

EDPS307 Young Children in Peril: Educational Implications (3 hrs)

CURR314 Infants and Toddlers in ECE (3 hrs)

EDPS318 Play and Creativity in ECE (3 hrs)

PHED381 Motor Development of the Young Child (3 hrs)

Minor Total26 hours**Note:**

Students seeking a minor in ECE need to attend early childhood group advising sessions early in their program. In the Professional Studies sequence, ECE minors are exempted from the following EDPS340 Introduction to Assessment and Evaluation, MUSC320 Elementary Music Education, TEDU253 Technology Education for Children and HLED320 Health Education in the Elementary Grades.

ARTS GROUP MINOR (ARTS)**Elementary and Special Education-Elementary Teacher Certification****(not available with Art Minor, Music Education Minor, or with Technology and Design Minor)**

Successful completion of this minor, in the context of other program requirements, qualifies the student for recommendation for endorsement in fine arts, certification code OX. The Michigan Test for Teacher Certification (MTTC) covering this field is #53, "Fine Arts."

Required Courses.....16 hours

ART101 Introduction to Art (3 hrs)

ART300 Art Integration for the Elementary Teacher (4 hrs)

MUSC104 Elements of Music (2 hrs)

MUSC320 Elementary Music Education (2 hrs)

TEDU253 Technology Education for Children (3 hrs)

TEDU354 Experiences in Technology for Children (2 hrs)

Restricted Elective Courses.....8 hours*Eight hours from the following:*

CTAA168/268/368/468 Interpretation (1/1/1/1 hr)

- CTAR222 Drama and Play in Human Experience (3 hrs)
- CTAR322 Theatre for the Young (3 hrs)
- CTAR323 Improvising and Role-Play (3 hrs)
- CTAR324 Oral Interpretation of Literature for the Young (3 hrs)
- CTAR497/498/499 Independent Study (1/2/3 hrs)
- CTAO210 Interpretative Reading (3 hrs)
- †CTAR106 Introduction to the Performing Arts (3 hrs)
- CTAR150 Introduction to Theatre (3 hrs)
- CTAR151 African American Theatre: An Introduction (3 hrs)
- CTAR153 Technical Theatre: Costume and Makeup (2 hrs)
- CTAR251 African American Theatre: Creative Problems (3 hrs)

Other courses in drama/theatre for the young or theater arts:

- ART100 Art Appreciation (3 hrs)
- ART107 Art History Survey I (3 hrs)
- ART108 Art History Survey II (3 hrs)
- ART122 Two-Dimensional Design (3 hrs)
- ART123 Drawing I (3 hrs)
- ART124 Drawing II (3 hrs)
- ART201 Introduction to Graphic Design I (3 hrs)
- ART210 Life Drawing (3 hrs)
- ART215 History of 19th Century Art (3 hrs)
- ART231 Three-Dimensional Design (3 hrs)
- ART235 Textiles (3 hrs)
- ART304 Beginning Photographic Imagery (3 hrs)
- ART307 Ceramics (3 hrs)
- ART310 Sculpture (3 hrs)
- ART320 Jewelry (3 hrs)
- ART341 History of Renaissance Art (3 hrs)
- ART421 History of Oriental Art (3 hrs)
- ART425 Arts of Africa (3 hrs)
- ART426 Medieval Art History (3 hrs)
- ART427 Baroque Art (3 hrs)
- ART429 History of American Architecture (3 hrs)
- ART430 Meso-American Art (3 hrs)
- ART436 Women in Art (3 hrs)
- TEDU118 Energy Technology (3 hrs)
- TEDU152 Arts and Crafts (3 hrs)
- MUSC106 Introduction to the Performing Arts (3 hrs) (Not open to those with credit in CTAR106)
- MUSC107 Music Appreciation (2 hrs)
- MUSC151 Class Piano (2 hrs)
- MUSC152 Class Piano (2 hrs)
- MUSC232 Voice Class (1 hr)
- MUSC131 University Choir (1 hr)
- MUSC134 University Women's Chorus (1 hr)
- MUSC135 University Men's Chorus (1 hr)
- MUSC249 Band (1 hr)
- MUSC248 Orchestra (1 hr)
- MUSC274 Functional Guitar (2 hrs)
- MUSC224 Recreational Music (2 hrs)

Other courses in music:

- INDT121 Graphic Communication (3 hrs)
- TEDU103 Structures and Design in Technology (3 hrs)
- TEDU106 Processing Technology (3 hrs)
- TEDU114 Information and Control Technology (3 hrs)

Minor Total24 hours

Note:

†Not open to those with credit in MUSC106

Students are advised that some of the courses listed have prerequisites that are not necessarily met by other courses in the program. In order to avoid taking excess hours, students should select from courses for which the prerequisites have been met.

INTEGRATED ELEMENTARY SCIENCE MINOR (INSC)

Elementary and Special Education-Elementary Teacher Certification

Successful completion of this major, in the context of other program requirements, qualifies the student for recommendation for endorsement in science, certification code DI. The certification test covering this field is #16, "Science."

Required Courses..... 15-16 hours

- CHEM101 Chemistry for Elementary Teachers (3 hrs)
- †ESSC202 Earth Science for Elementary Teachers (3 hrs)
- BIOL303 Life Science for Elementary Teachers (3 hrs)
- PHY100 Physics for Elementary Teachers (3 hrs)

One course from the following:

- ASTR203 Exploration of the Universe (3 hrs)
- ASTR205 Principles of Astronomy (4 hrs)

Two courses from the following:

- PHY311 Teaching Elementary Physical Science (3 hrs)
- ESSC311 Weather and Climate for Elementary Teachers (3 hrs)
- BIOL105 Biology and the Human Species (4 hrs)

Restricted Elective Courses.....8-9 hours

8 to 9 hours from the following:

- ASTR204 Astronomical Investigations (1 hr)
- BIOL105 Introductory Biology for Non-majors (4 hrs)
- BIOL205 Field Biology (4 hrs)
- BIOL324 Global Ecology and the Environment (4 hrs)
- BOTN215 Economic Botany (3 hrs)
- BOTN130 Biology of Plants (4 hrs)

Either:

- CHEM115/116 Chemistry and Society with lab (4 hrs) or
- CHEM117/118 Fundamentals of Chemistry with lab (4 hrs)
- CHEM120 Fundamentals of Organic and Biochemistry (4 hrs)
- CHEM121/122 General Chemistry I with lab (4 hrs)
- ESSC110 Physical Geology (4 hrs)
- ESSC111 The Earth System Through Time (4 hrs)
- ESSC114 National Parks and Monuments (2 hrs)
- ESSC208 Natural Environmental Hazards (3 hrs)
- ESSC229 Rocks of Michigan (2 hrs)
- ESSC307 Essentials of Oceanography for Elementary Teachers (3 hrs)
- ESSC311 Weather and Climate for Elementary Teachers (3 hrs)
- ESSC312 Plate Tectonics for Elementary Teachers (3 hrs)
- ESSC315 Water and the Environment for Elementary Teachers (3 hrs)
- ESSC414 Teaching Science with Dinosaurs (3 hrs)
- PHY101 Physical Science in the Arts (3 hrs)
- PHY110 Physical Science (4 hrs)
- PHY311 Teaching Elementary Physical Science (3 hrs)
- ZOOL140 Biology of Animals (4 hrs)
- ASTR377/378/379 Special Topics (1/2/3 hrs)
- ASTR477/478/479 Special Topics (1/2/3 hrs)
- ASTR590/591/592 Special Topics (1/2/3 hrs)
- BIOL377/378/379 Special Topics (1/2/3 hrs)
- BIOL477/478/479 Special Topics (1/2/3 hrs)
- BIOL590/591/592 Special Topics (1/2/3 hrs)
- BOTN377/378/379 Special Topics (1/2/3 hrs)
- BOTN477/478/479 Special Topics (1/2/3 hrs)
- BOTN590/591/592 Special Topics (1/2/3 hrs)
- ZOOL377/378/379 Special Topics (1/2/3 hrs)
- ZOOL477/478/479 Special Topics (1/2/3 hrs)
- ZOOL590/591/592 Special Topics (1/2/3 hrs)
- CHEM377/378/379 Special Topics (1/2/3 hrs)
- CHEM477/478/479 Special Topics (1/2/3 hrs)
- CHEM590/591/592 Special Topics (1/2/3 hrs)
- ESSC377/378/379 Special Topics (1/2/3 hrs)
- ESSC477/478/479 Special Topics (1/2/3 hrs)
- ESSC590/591/592 Special Topics (1/2/3 hrs)
- PHY377/378/379 Special Topics (1/2/3 hrs)