

**FERRIS STATE UNIVERSITY/WEST SHORE COMMUNITY COLLEGE  
COLLEGE OF EDUCATION AND HUMAN SERVICES  
ELEMENTARY EDUCATION CERTIFICATION**

ENDORSEMENT: ZG

MTTC: 83

NAME: \_\_\_\_\_ SN: \_\_\_\_\_

**LANGUAGE ARTS MINOR  
25 SEMESTER HOURS**

ENDORSEMENT: BX

MTTC: 90

REQUIRED			SEM. HOURS	WSSC	GRADE
EDLA	207	Emergent Literacy	3	TCHC 122	
EDLA	222	Text and the Child	4		
ENGL	301	Linguistics	3		
LITR	326	Children's Literature	3	SELE 222	
EDLA	340	Writer's Workshop	3		
LITR	380	World Folk Literature	3		
EDLA	342	Reader Response	3		
EDLA	476	Inquiry in K-8 Classrooms	3		
		TOTAL	25		

**NOTE: (1) GPA of 3.0 must be obtained in all required courses, (2) a minimum of C in any individual course (or transfer equivalents) within the minor, and (3) a minimum of B in ENGL 150 and ENGL 250 (general education requirements or their transfer equivalents).**

**INTEGRATED SCIENCE MINOR  
25 SEMESTER HOURS**

ENDORSEMENT: DI

MTTC: 93

REQUIRED		COURSE TITLE	S.H.	WSSC	GRADE
BIOL	103	Basic Biological Concepts	4	MSCI 101	
PHSC	110	Inquiry into the Earth System	4	MSCI 104	
PHSC	115	Inquiry into Physical Science	4	MSCI 102	
GEOL	221	History of the Earth	3		
INBI	303	Ecology: Interconnections Between Disciplines	4		
INPS	320	Integrating the Physical Sciences	3		
PHYS	450	Science Laboratory	3		
		Total	25		

**Note: A 2.75 GPA is required in the above minor. No grades lower than a C. A minimum of 6 credit hours of science coursework at the upper level (300+) must be earned at Ferris State University**

**The University MACRAO policy will not apply to this program**

**MATH MINOR**  
**25 SEMESTER HOURS**

ENDORSEMENT: EX  
MTTC: 89

REQUIRED			SEM. HOURS	WSCC	GRADE
MATH	218	Math for Elementary Teachers I	3	MMTH 126	
MATH	219	Math for Elementary Teachers II	3	MMTH 127	
MATH	135	Calculus for the Life Sciences	3		
MATH	317	Geometry for Elementary and Middle School Teachers	3		
MATH	318	Probability and Statistics for Teachers	3		
MATH	319	Math Modeling Problem Solving	3		
MATH	326	Discrete Mathematics for Teachers	3		
MATH	418	Teaching Elementary Middle School Mathematics	3		
		TOTAL	24		

**Note: A 2.75 GPA is required in the above minor. No grades lower than a C.**

**The University MACRAO policy will not apply to this program**

**PLANNED PROGRAM MINOR (23-35 HOURS)**

REQUIRED		PROFESSIONAL EDUCATION	S.H.	WSCC	GRADE
ARTS	131*	Art for the Elementary Teacher	1	HART 113	
MUSI	131*	Music for the Elementary Teacher	1	HMUS 151	
HIST	121	U.S. History to 1877	3	SHST 145	
HIST	122	U.S. History from 1877	3	SHST 146	
GEOG	100	Geography of World Regions	3	SGEO 133	
PLSC	121	American Government 1: People and Politics	3		
ECON	221	Principles of Economics 1	3	SECO 136	

**IF YOUR MINOR IS INTEGRATED SCIENCE, DISREGARD THE FOLLOWING:**

REQUIRED		Professional Education	S.H.	WSCC	GRADE
PHSC	110	Inquiry into Earth Systems	4	MSCI 104	
PHSC	115	Inquiry into Physical Science	4	MSCI 102	
BIOL	103	Biological Concepts	4	MSCI 101	

**IF YOUR MINOR IS LANGUAGE ARTS, DISREGARD THE FOLLOWING:**

REQUIRED		PROFESSIONAL EDUCATION	S.H.	WSCC	GRADE
LITR	326	Children's Literature	3	SELE 222	
ENGL	301	Linguistics	3		
LITR	380	World Folk Literature	3		

**IF YOUR MINOR IS IN MATHEMATICS, DISREGARD THE FOLLOWING:**

REQUIRED		PROFESSIONAL EDUCATION -	S.H.	WSCC	GRADE
MATH	115	Intermediate Algebra	3	MMTH 121	
MATH	218	Math for Elementary Teachers I	3	MMTH 126	
MATH	219	Math for Elementary Teachers II	3	MMTH 127	

\* Course is not required for students who are enrolled in the Early Childhood minor. +May not have more than two courses with same prefix.

**NOTE: A 2.75 GPA is required in the Planned Program Minor.**

Note: Though faculty advisors are responsible for advising students regarding degree requirements, it is the student who is ultimately responsible for choosing the correct courses and for following the correct program. No Grade Lower than a C.

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**General Education Requirements**

(not fulfilled by the minors)

REQUIRED			S.H.	WSCC	GRADE
ENGL	150	English 1	3	CENG 111	
ENGL	250	English 2	3	CENG 112	
COMM		Inter Comm (COMM 105) OR Fund of Public Speaking (COMM 121)	3	CSPE 110 OR CSPE 101	
ENGL	321	Advanced Composition	3		
TOTAL			12		

**THE FOLLOWING MINOR IS AN OPTIONAL ADDITION TO  
EARNING THE TWO SUBJECT MINORS REQUIRED FOR  
ACHIEVING THE ELEMENTARY EDUCATION BACHELOR OF  
SCIENCE DEGREE.**

**EARLY CHILDHOOD MINOR  
ELEMENTARY EDUCATION**

ENDORSEMENT: ZA  
MTTC: 82

(27 Credits)

REQUIRED		Course Title	S.H.	WSCC	GRADE
EDCD	104	Child Development Practicum (co-requisite: EDCD 105)	1	TCHC 101	
EDCD	105	Child Development Leadership (co-requisite: EDCD 104)	3		
EDCD	110	Child Development I	3	TCHC 101&120&150	
EDCD	111	Child Development II (can be taken prior to EDCD 110)	3	TCHC 130	
EDCD	160	Education of Children (offered winter semester only)	3	TCHC 120	
EDCD	210	Infant-Toddler Environment & Curriculum (offered winter only)	4	TCHC 150	
EDCD	211	Children's Activities (offered fall semester only)	4	TCHC 125	
EDCD	285	Child Development Internship Orientation	1	TCHC 121	
EDCD	291	Child Development Internship (minimum B-)	4		
EDCD	298	Internship Seminar (must be taken with EDCD 291) (minimum B-)	1		

\* Successful completion of this minor will result in a Z.A. Endorsement on your elementary education teaching certificate. You must take and pass the Michigan Test for Teacher Certification (Early Childhood) before applying for your ZA endorsement.

\* This optional minor is an addition to the two subject minors required for the Elementary Education program.

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**FERRIS STATE UNIVERSITY/WEST SHORE COMMUNITY COLLEGE**  
**College of Education & Human Services - School of Education**  
**BACHELOR OF SCIENCE DEGREE - ELEMENTARY**  
**Professional Sequence**

<b>REQUIRED</b>		<b>Level I Professional Education Prerequisite Courses</b>	<b>S.H</b>	<b>WSCC</b>	<b>GRADE</b>
<b>Teacher Education Candidates</b>					
<b>Note: Students seeking admission to teacher education candidacy must meet all university requirements for admission to the specific program they wish to enter.</b>					
EDUC	101	Introduction to the Profession of Teaching	1		
EDUC	251	Life Span Human Growth & Development*	3	THCT 114	
EDUC	289	Principles of Teaching & Learning	3	SPSY 263	
<b>REQUIRED</b>		<b>Level II Professional Education Courses</b>	<b>S.H</b>	<b>GRADE</b>	
<b>Note: Prior to admission to the Teacher Education Program and Level II courses, students must pass all sections of the Basic Skills Test and complete Level II Application.</b>					
EDUC	303	School, Work, and Society	3	SELE 104	
EDUC	413	Instructional Planning & Delivery for Elementary Education <b>[Recommended co-requisite: LITR 326 and EDUC 420]</b> <b>[Application for field experience required]</b>	4		
EDUC	415	Teaching Strategies for Special Education and Diverse Populations (pre-req EDUC 413)	3	SELE 204	
EDUC	420	Teaching Reading in the Elementary/Middle School I <b>[Prerequisite or co-requisite: EDUC 413]</b>	3		
<b>[It is strongly recommended that EDUC 421, 431, 432, and 433 be taken concurrently]</b>					
EDUC	421	Teaching Reading in the Elementary/Middle School II <b>Prerequisite: EDUC 420      Co-requisite: EDUC 431 and/or EDUC 432</b>	3		
<b>[NOTE: If taking EDUC 421, 431 &amp; 432 in same semester, EDUC 433 must also be taken.]</b>					
EDUC	431	Methods of Integrating, Teaching, and Evaluating Language Arts and Social Studies in the Elementary/Middle School <b>Prerequisite or co-requisite: EDUC 421 [Application for field experience required]</b>	3		
EDUC	432	Methods of Integrating, Teaching, and Evaluating Math and Science in the Elem/M. School <b>Prerequisite or co-requisite: EDUC 421 [Application for field experience required]</b>	3		
EDUC	435	Methods of Integrating, Teaching, and Evaluating Health & P.E. in the Elementary/Middle School <b>Co-requisite: EDUC 431 or EDUC 432</b>	3		
<b>Level III Professional Education Courses</b>					
EDUC	493	Elementary/Middle Directed Teaching <b>[Co-requisite: EDUC 499]</b> <b>Application Required</b>	6-12		
EDUC	499	Professional Seminar <b>[Co-requisite: EDUC 493]</b>	2		
Total			46		

NOTE: A 2.75 GPA is required in your planned program minor and in the professional education course sequence, a 2.50 cumulative GPA is also required before directed and intern teaching, students must obtain the appropriate GPA for their major(s)/minor(s) as established by each department. \*NOTE: ECHE minors will replace EDUC 251 with EDCD 110 and 111 in Level I. NOTE: Though faculty advisors are responsible for advising students regarding degree requirements, it is the student who is ultimately responsible for choosing the correct courses and for following the correct program. **No Grade Lower than a C.**

**The University MACRAO policy will not apply to this program**