

WESTERN MICHIGAN UNIVERSITY

College of Education and Human Development

Elementary/Middle Minors

Northwestern Michigan College Transfer Guide

LANGUAGE ARTS MINOR (32-33 Credit Hours- MTTC Subject Test #90) MUST COMPLETE COURSES WITH A "C" OR BETTER UNLESS OTHERWISE NOTED			ELEN
NOTES	REQUIRED COURSES	TRAN/SUB/GRADE	CR HR
	ENGL 1100 Literary Interpretation; (<i>pre-req: ENGL 1050 with "B" or better</i>);	ENG 240	4
<i>Part of EL ED</i>	*ENGL 3820 Lit, for the Young Child; (<i>pre-req: 26+ hrs</i>); Area II		4
	*ENGL 3830 Lit, Intermediate Reader; (<i>pre-req: ENGL 1100.</i>);		4
<i>Part of EL ED</i>	*ENGL 3690 Writing; <i>Requires "CB" or better</i>		4
<i>Part of EL ED</i>	*LS 3770 Literacy/Lang I; (<i>pre or co- req: ED 3090 or 3100</i>); <i>Requires "CB" or better</i>		3
<i>Part of EL ED</i>	*LS 3780 Literacy/Lang II; (<i>pre-req: LS 3770</i>); <i>Requires "CB" or better</i>		3
<i>Part of EL ED</i>	*ED 4300 Creativity in the Classroom; (<i>pre-reqs: LS 3780; 6 hrs. in Fine arts</i>); <i>Requires "CB" or</i>		3
	Area A: Select one course: ♦ See next page for course options		4
	Area B: Select one course: ● See next page for course options		3-4
Total Minor Credits Completed			32-33

MATH MINOR (23 Credit Hours- MTTC Subject Test #89) MINIMUM GPA OF 2.5 MUST BE OBTAINED IN MINOR			MHEN
NOTES	REQUIRED COURSES	TRAN/SUB/GRADE	CR HR
<i>Part of EL ED</i>	MATH 1500 Number Concepts; (<i>pre-req: MATH 1100/placement</i>); <i>Requires "B" or better</i>		4
<i>Part of EL ED</i>	MATH 1510 Geometry; (<i>pre-req: MATH 1500 with "B" or better</i>); <i>Requires "B" or better</i>		4
<i>Part of EL ED</i>	MATH 2650 Probability & Stats; (<i>pre-req: MATH 1500 with "B" or better</i>); <i>Requires "B" or better</i>		4
<i>Part of EL ED</i>	MATH 3520 Teaching Math; (<i>pre-req: MATH 1510; 2650 – both with "B" or better</i>); <i>Requires "B" or better</i>		3
<i>See Elementary Math advisor before taking MATH 5531 & 5540</i>	MATH 5531 Number Systems / Proportional Reasoning for Middle Grades Teachers; (<i>pre-reqs: MATH 1500; 1510; 2650 – all with "B" or better</i>); <i>Requires "C" or better; Fall only</i>		4
	MATH 5540 Functions and Modeling for Middle Grades Teachers; (<i>pre-reqs: MATH 3520 with "B" or better; 5531 with "C" or better</i>); <i>Requires "C" or better; Spring only</i>		4
Total Minor Credits Completed			23

INTEGRATED SCIENCE (29 Credit Hours- MTTC Subject Test #93) MUST COMPLETE COURSES WITH A "C" OR BETTER UNLESS OTHERWISE NOTED			ISEN
NOTES	REQUIRED COURSES	TRAN/SUB/GRADE	CR HR
<i>Part of EL ED</i>	BIOS 1700 Life Science for Non-Majors		3
	BIOS 2700 Everyday Biology: Cells		3
<i>Part of EL ED</i>	CHEM 2800 Active Chemistry		3
	CHEM 1100/1110 General Chemistry I with Lab; (<i>pre-req: MATH 1110 or placement; Area VI</i>)	CHM 150	4
<i>Part of EL ED</i>	GEOG 1900 Exploring Earth Science: The Atmosphere		3
<i>Part of EL ED, Not ECH</i>	GEOS 2900 Earth Systems: Issues & Applications		3
<i>Part of EL ED</i>	PHYS 1800 Physics: Inquiry and Insights		3
	PHYS 1040/1030 Sky & Solar System; (<i>pre-req: Math 1100 or placement</i>)		4
<i>Part of EL ED</i>	ED 4010 Teaching Elementary School Science; (<i>pre-reqs: ED 3090 or 3100; all science courses</i>); <i>must complete with "CB" or better</i>		3
Total Minor Credits Completed			29

LANGUAGE ARTS MINOR COURSE ELECTIVES

MUST COMPLETE COURSES WITH “C” GRADE OR BETTER

◆ Area A and ● Area B Course Options

◆ Area A Select one course from the following:	TRAN/SUB/GRADE	CR HR
ENGL 2220 Lit/Cultures U.S.; Area III		4
ENGL 2230 Black American Lit; Area III		4
ENGL 4840 Multi-Cultural Amer Lit; Area III; <i>(pre-req: ENGL 3820 or 3830)</i>		4

● Area B Select one course from the following:	TRAN/SUB/GRADE	CR HR
TEL 5200 Linguistic Principles for ESL and Bilingual Education		3
ENGL 3770 Lang/Learning Multilingual; <i>(pre-req: ENGL 3690)</i>		3
ENGL 4720 Language Variation in American English		4