

# WESTERN MICHIGAN UNIVERSITY

College of Education and Human Development

## Elementary/Middle Minors

### Grand Rapids Community 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
	<b>ENGL 1100</b> Literary Interpretation; ( <i>pre-req: ENGL 1050 with "B" or better</i> );	EN 233	4
<i>Part of EL ED</i>	<b>*ENGL 3820</b> Lit, for the Young Child; ( <i>pre-req: 26+ hrs</i> ); Area II		4
	<b>*ENGL 3830</b> Lit, Intermediate Reader; ( <i>pre-req: ENGL 1100.</i> );		4
<i>Part of EL ED</i>	<b>*ENGL 3690</b> Writing; <i>Requires "CB" or better</i>		4
<i>Part of EL ED</i>	<b>*LS 3770</b> 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>	<b>*LS 3780</b> Literacy/Lang II; ( <i>pre-req: LS 3770</i> ); <i>Requires "CB" or better</i>		3
<i>Part of EL ED</i>	<b>*ED 4300</b> Creativity in the Classroom; ( <i>pre-reqs: LS 3780; 6 hrs. in Fine arts</i> ); <i>Requires "CB" or better</i>		3
	<b>Area A: Select one course: ♦ See next page for course options</b>		4
	<b>Area B: Select one course: ● See next page for course options</b>		3-4
<b>Total Minor Credits Completed</b>			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>	<b>MATH 1500</b> Number Concepts; ( <i>pre-req: MATH 1100/placement</i> ); <i>Requires "B" or better</i>	MA 210	4
<i>Part of EL ED</i>	<b>MATH 1510</b> Geometry; ( <i>pre-req: MATH 1500 with "B" or better</i> ); <i>Requires "B" or better</i>	MA 211	4
<i>Part of EL ED</i>	<b>MATH 2650</b> 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>	<b>MATH 3520</b> 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 &amp; 5540</i>	<b>MATH 5531</b> 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
	<b>MATH 5540</b> 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
<b>Total Minor Credits Completed</b>			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>	<b>BIOS 1700</b> Life Science for Non-Majors		3
	<b>BIOS 2700</b> Everyday Biology: Cells		3
<i>Part of EL ED</i>	<b>CHEM 2800</b> Active Chemistry		3
	<b>CHEM 1100/1110</b> General Chemistry I with Lab; ( <i>pre-req: MATH 1110 or placement; Area VI</i> )	CHM 130 or 150	4
<i>Part of EL ED</i>	<b>GEOG 1900</b> Exploring Earth Science: The Atmosphere	GL 111	3
<i>Part of EL ED, Not ECH</i>	<b>GEOS 2900</b> Earth Systems: Issues & Applications		3
<i>Part of EL ED</i>	<b>PHYS 1800</b> Physics: Inquiry and Insights		3
	<b>PHYS 1040/1030</b> Sky & Solar System; ( <i>pre-req: Math 1100 or placement</i> )	AS 103 or 106 only for 1040	4
<i>Part of EL ED</i>	<b>ED 4010</b> Teaching Elementary School Science; ( <i>pre-reqs: ED 3090 or 3100; all science courses</i> ); <i>must complete with "CB" or better</i>		3
<b>Total Minor Credits Completed</b>			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	EN 270	4
ENGL 2230 Black American Lit; Area III	EN 271 or 272	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