

WESTERN MICHIGAN UNIVERSITY

College of Education and Human Development

Elementary/Middle Majors

Northwestern Michigan College Transfer Guide

INTEGRATED SCIENCE CONTENT MAJOR (40 Credit Hours- MTTC Subject Test #93) MUST COMPLETE COURSES WITH A "C" OR BETTER UNLESS OTHERWISE NOTED			ISEJ
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</i>	GEOS 2900 Earth Systems: Issues & Applications		3
	GEOS 2000 Evolution of Life – A Geological Perspective; 4 credits; Area VI	ENV 104	4
	GEOS 3220 Ocean Systems	ENV 131	3
<i>Part of EL ED</i>	PHYS 1800 Physics Inquiry and Insights		3
	PHYS 1000 How Things Work; 4 credits; Area VI		4
	PHYS 1040/1030 Introduction to the 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>); must complete with "CB" or better		3
Total Major Credits Completed			40

LANGUAGE ARTS CONTENT MAJOR (32-34 Credit Hours- MTTC Subject Test #90) MUST COMPLETE COURSES WITH A "C" OR BETTER UNLESS OTHERWISE NOTED			WMLJ
NOTES	REQUIRED COURSES	TRAN/SUB/GRADE	CR HR
	ENGL 1100 Literary Interpretation; Area I; (<i>pre-req: ENGL 1050 with a grade of "B" or better</i>)	ENG 240	4
<i>Part of EL ED</i>	ENGL 3820 Literature for the Young Child, Area II; (<i>pre-req: 26 + hours</i>)		4
	ENGL 3830 Literature for the Intermediate Reader; Area II (<i>pre-req: ENGL 1100</i>)		4
	ENGL 4790 Writing in the Secondary School; (<i>pre-reqs: two 3000-level English courses that count toward the major</i>)		4
	ENGL 4800 Teacher Literature in the Secondary School; (<i>pre-reqs: two 3000-level English major courses</i>); <i>contact CEHD advising to register for this class</i>		4
	LS 5160 Professional Symposium in Reading		3
	LS 5100 Diversity in Literacy, Language, and Learning; (<i>pre-req: LS 3780 with a grade of "C" or better</i>)		3
	Area A Electives: Choose one ENGL 2220 Literatures and Cultures of the United States; Area III; 4 cr. ENGL 2230 African American Literature; Area III; 4 cr. ENGL 4840 Multi-Cultural American Literature for Children; Area III; (<i>pre-reqs: 16 hours of course work in English, including ENGL 3820 or ENGL 3830</i>); 4 cr. SPAN 2750 Latina Writing/Latino Culture; Area III; 3 cr.		3-4
	Area B Electives: Choose one ENGL 3740 Language in the Elementary School; (<i>pre-req: ENGL 3690</i>); 3 cr. ENGL 3770 Language and Learning in Multilingual Classrooms; (<i>pre-req: ENGL 3690</i>); 3 cr. ENGL 4720 Language Variation in American English; 4 cr. TEL 5200 Linguistic Principles for ESL and Bilingual Education; (<i>pre-req: 56+ hrs.</i>); 3 cr		3-4
Total Major Credits Completed			32-34

MATH CONTENT MAJOR (33 Credit Hours- MTTC Subject Test #89)
MINIMUM GPA OF 2.5 MUST BE OBTAINED IN MAJOR

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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>); Requires "B" or better		4
<i>Part of EL ED</i>	MATH 1510 Geometry; (<i>pre-req: MATH 1500</i>); Requires "B" or better		4
<i>Part of EL ED</i>	MATH 2650 Probability & Stats; (<i>pre-req: MATH 1500</i>); Requires "B" or better		4
<i>Part of EL ED</i>	MATH 3520 Teaching Math; (<i>pre-reqs: MATH 1510; 2650</i>); Requires "B" or better		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>); Requires "C" or better;		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>); Requires "C" or better;		4
	MATH 5550 Fundamentals of Calculus; (<i>pre-req: MATH 5540 with "C" or better</i>)		4
	MATH 5501 Teaching Middle School Mathematics; (<i>pre-req: MATH 5540 with "C" or better</i>); Requires "C" or better; Fall only		3
	MATH 5511 Computing Technology in Middle School Mathematics (<i>pre-reqs: MATH 5501; 5550 – both with "C" or better</i>); Spring only		3
Total Major Credits Completed			33

SOCIAL STUDIES CONTENT MAJOR (37 Credit Hours- MTTC Subject Test #105)
MUST COMPLETE COURSES WITH A "C" OR BETTER UNLESS OTHERWISE NOTED

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NOTES	REQUIRED COURSES	TRAN/SUB/GRADE	CR HR
<i>Part of EL ED</i>	ANTH 1200 Peoples of the World; Area IV	ANT 113	3
<i>Part of EL ED</i>	ECON 1000 Economics for Elementary Education (sp/su I)		3
<i>Part of EL ED</i>	GEOG 1020 World Geography through Media and Maps; Area V	GEO 109	3
	GEOG 2440 Economic Geography; Area V (sp)		3
<i>Part of EL ED</i>	HIST 2100 American History to 1877; Area III OR HIST 3100 History as Mystery	HST 111	3
<i>Part of EL ED</i>	HIST 2110 American History since 1877; Area III OR HIST 3103 The United States in the Nineteenth Century to the Gilded Age; (<i>pre-req HIST 2900 with a grade of "C" or better or instructor approval</i>)	HST 112	3
<i>Part of EL ED</i>	HIST 3020 World History to 1500; Area IV		3
	HIST 3030 World History since 1500; Area IV		3
	HIST 3290 Michigan History (sp) OR GEOG 3110 Geography of Michigan		3
<i>Part of EL ED</i>	PSCI 2000 National Government; Area III	PLS 101	3
	PSCI 2020 State and Local Government OR SOC 3040 Nonwestern World; Area IV (sp/sum I)		4
<i>Part of EL ED</i>	ED 4070 Teaching Elementary Social Studies; (<i>pre-req ED 3090 or ED 3100 with a grade of "CB" and twelve hours of social science courses</i>)		3
Total Major Credits Completed			37