

# WESTERN MICHIGAN UNIVERSITY

College of Education and Human Development

Elementary/Middle Majors

**Lake Michigan College Transfer Guide**

<b>INTEGRATED SCIENCE CONTENT MAJOR (40 Credit Hours- MTTC Subject Test #93)</b> 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>	<b>BIOS 1700</b> Life Science for Non-Majors	BIOL 170	3
	<b>BIOS 2700</b> Everyday Biology: Cells	BIOL 270	3
<i>Part of EL ED</i>	<b>CHEM 2800</b> Active Chemistry	PHSC 280	3
	<b>CHEM 1100/1110</b> General Chemistry I with Lab; ( <i>pre-req: MATH 1110 or placement; Area VI</i> )	CHEM 111	4
<i>Part of EL ED</i>	<b>GEOG 1900</b> Exploring Earth Science: The Atmosphere	PHSC 190	3
<i>Part of EL ED</i>	<b>GEOS 2900</b> Earth Systems: Issues & Applications	PHSC 290	3
	<b>GEOS 2000</b> Evolution of Life – A Geological Perspective; 4 credits; Area VI		4
	<b>GEOS 3220</b> Ocean Systems		3
<i>Part of EL ED</i>	<b>PHYS 1800</b> Physics Inquiry and Insights	PHSC 170	3
	<b>PHYS 1000</b> How Things Work; 4 credits; Area VI		4
	<b>PHYS 1040/1030</b> Introduction to the Sky & Solar System; ( <i>pre-req: Math 1100 or placement</i> )	PHYS 104	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> ); must complete with "CB" or better		3
<b>Total Major Credits Completed</b>			40

<b>LANGUAGE ARTS CONTENT MAJOR (32-34 Credit Hours- MTTC Subject Test #90)</b> MUST COMPLETE COURSES WITH A "C" OR BETTER UNLESS OTHERWISE NOTED			WMLJ
NOTES	REQUIRED COURSES	TRAN/SUB/GRADE	CR HR
	<b>ENGL 1100</b> Literary Interpretation; Area I; ( <i>pre-req: ENGL 1050 with a grade of "B" or better</i> )	ENGL 208 or 215	4
<i>Part of EL ED</i>	<b>ENGL 3820</b> Literature for the Young Child, Area II; ( <i>pre-req: 26 + hours</i> )		4
	<b>ENGL 3830</b> Literature for the Intermediate Reader; Area II ( <i>pre-req: ENGL 1100</i> )		4
	<b>ENGL 4790</b> Writing in the Secondary School; ( <i>pre-reqs: two 3000-level English courses that count toward the major</i> )		4
	<b>ENGL 4800</b> 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
	<b>LS 5160</b> Professional Symposium in Reading		3
	<b>LS 5100</b> Diversity in Literacy, Language, and Learning; ( <i>pre-req: LS 3780 with a grade of "C" or better</i> )		3
	<b>Area A Electives: Choose one</b> <b>ENGL 2220</b> Literatures and Cultures of the United States; Area III; 4 cr. <b>ENGL 2230</b> African American Literature; Area III; 4 cr. <b>ENGL 4840</b> 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. <b>SPAN 2750</b> Latina Writing/Latino Culture; Area III; 3 cr.	ENGL 216 only for ENGL 2230	3-4
	<b>Area B Electives: Choose one</b> <b>ENGL 3740</b> Language in the Elementary School; ( <i>pre-req: ENGL 3690</i> ); 3 cr. <b>ENGL 3770</b> Language and Learning in Multilingual Classrooms; ( <i>pre-req: ENGL 3690</i> ); 3 cr. <b>ENGL 4720</b> Language Variation in American English; 4 cr. <b>TEL 5200</b> Linguistic Principles for ESL and Bilingual Education; ( <i>pre-req: 56+ hrs.</i> ); 3 cr		3-4
<b>Total Major Credits Completed</b>			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>	<b>MATH 1500</b> Number Concepts; ( <i>pre-req: MATH 1100/placement</i> ); Requires "B" or better	MATH 200	4
<i>Part of EL ED</i>	<b>MATH 1510</b> Geometry; ( <i>pre-req: MATH 1500</i> ); Requires "B" or better	MATH 210	4
<i>Part of EL ED</i>	<b>MATH 2650</b> Probability & Stats; ( <i>pre-req: MATH 1500</i> ); Requires "B" or better	MATH 265	4
<i>Part of EL ED</i>	<b>MATH 3520</b> Teaching Math; ( <i>pre-reqs: MATH 1510; 2650</i> ); Requires "B" or better		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> ); Requires "C" or better;		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> ); Requires "C" or better;		4
	<b>MATH 5550</b> Fundamentals of Calculus; ( <i>pre-req: MATH 5540 with "C" or better</i> )		4
	<b>MATH 5501</b> Teaching Middle School Mathematics; ( <i>pre-req: MATH 5540 with "C" or better</i> ); Requires "C" or better; Fall only		3
	<b>MATH 5511</b> Computing Technology in Middle School Mathematics ( <i>pre-reqs: MATH 5501; 5550 – both with "C" or better</i> ); Spring only		3
<b>Total Major Credits Completed</b>			<b>33</b>

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

**WMLJ**

NOTES	REQUIRED COURSES	TRAN/SUB/GRADE	CR HR
<i>Part of EL ED</i>	<b>ANTH 1200</b> Peoples of the World; Area IV		3
<i>Part of EL ED</i>	<b>ECON 1000</b> Economics for Elementary Education (sp/su I)		3
<i>Part of EL ED</i>	<b>GEOG 1020</b> World Geography through Media and Maps; Area V		3
	<b>GEOG 2440</b> Economic Geography; Area V (sp)		3
<i>Part of EL ED</i>	<b>HIST 2100</b> American History to 1877; Area III <b>OR</b> <b>HIST 3100</b> History as Mystery	HIST 201, HONR 214	3
<i>Part of EL ED</i>	<b>HIST 2110</b> American History since 1877; Area III <b>OR</b> <b>HIST 3103</b> 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> )	HIST 202, HONR 215	3
<i>Part of EL ED</i>	<b>HIST 3020</b> World History to 1500; Area IV		3
	<b>HIST 3030</b> World History since 1500; Area IV		3
	<b>HIST 3290</b> Michigan History (sp) <b>OR</b> <b>GEOG 3110</b> Geography of Michigan		3
<i>Part of EL ED</i>	<b>PSCI 2000</b> National Government; Area III	POSC 101, HONR 141	3
	<b>PSCI 2020</b> State and Local Government <b>OR</b> <b>SOC 3040</b> Nonwestern World; Area IV (sp/sum I)	POS 102, HONR 143	4
<i>Part of EL ED</i>	<b>ED 4070</b> 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
<b>Total Major Credits Completed</b>			<b>37</b>