

To



## Mathematics Secondary Education

<b>John A. Logan College Courses</b>					
<b>AA Mathematics Secondary Education – 66 hours</b>					
ENG 101	English Composition I	3	HTH 110	Health Education	2
ENG 102	English Composition II	3	IAI Life Science	One must include a lab	7
COM 115	Speech	3	IAI Physical Science		
IAI Humanities	Literature	3	MAT 131	Calculus I	5
IAI Humanities	Philosophy	3	EDC 202	Human Growth, Development & Learning	3
PHL 111	Ethics and Moral Problems	3	EDC 203	Schooling a Diverse Society	3
IAI Fine Arts	Art, Creative Writing, Music or Theatre	3	MAT 202	Calculus III	3
IAI Social Science	Political Science	3	ORI 100	College 101	1
IAI Social Science	Psychology	3	EDC 200	Introduction to Education	4
GEO 112	Regional Geography	3	MAT 221	Introduction to Linear Algebra	3
MAT 201	Calculus II	5			
<b>McKendree University Courses</b>					
<b>McKendree University – 59 hours</b>					
EDR 410	Adolescent Literature	3	EDU 490	Student Teaching Seminar	3
EDU 115	Technology Integration Into the Classroom Curriculum	3	EDU 496	Student Teaching	12
EDU 409	Introduction to Instructional Planning and Delivery	3	EDU 499	Teaching Performance Assessment	0
EDU 412	Reading and Writing in the Content Area	2	MTH 300	Transition to Advanced Mathematics	3
EDU 420	The Learning Environment	3	MTH 340	Probability	3
EDU 458	Assessing Student Learning	3	MTH 392	Introduction to Analysis	3
EDU 467	Field Practicum I	1	MTH 393	Introduction to Modern Algebra	3
EDU 468	Field Practicum II	2	MTH 490	Seminar in Mathematics	3
EDU 469	Field Practicum III	3	SPE 405	Instruction of Diverse Learners	3
EDU 473	Math Methods	3			
<b>Total Hours to Bachelor Degree: 125 Hours</b>					

**Instructional Delivery – Face to Face**

**McKendree University Residency** – Students must complete a minimum of 30 credit hours with McKendree University.

**Transfer Credits** – McKendree University will accept a maximum of 90 hours in transfer credits. Only courses with a grade of C or better will be transferred.

**Degree Requirements** – Students must complete a minimum of 120 credit hours to receive a bachelor’s degree from McKendree University. Some programs require additional hours.

**Entrance to McKendree University Teacher Education –**

1. Have a minimum cumulative GPA of 2.5 for all coursework accepted in transfer and all coursework completed at McKendree University.
2. Complete ENG 111 and 112 with a grade of C or better
3. Complete one mathematics course (based on program requirements) with a grade of C or better.
4. Complete EDU 115 – Technology Integration into the Classroom and EDU 210 – Introduction to Teaching with a grade of C or better.
5. Pass a criminal background check in accordance with the Illinois State Board of Education requirements.
6. Complete an application for admission to the Teacher Education Program.

**These requirements fulfill the requirements issued by the Illinois State Board of Education and the Illinois State Educator Preparation and Licensure Board, their requirements take precedence over the catalog of record for individuals seeking teacher licensure recommendation. A candidate must have earned a grade of C or better in all work applied toward licenses/endorsements. Requirements are subject to change. Transfer courses are only accepted by McKendree with a grade of C or better.**

**Contact us for more information:**

**John A. Logan College**  
Emily Monti, M.Ed.  
Manager for Curriculum & Instruction  
618.985.3741, x 8514  
[emily.monti@jalc.edu](mailto:emily.monti@jalc.edu)

**McKendree University**  
Melissa Meeker, EdD  
Dean of Worldwide Programs  
618.537.6834  
[mmeeker@mckendree.edu](mailto:mmeeker@mckendree.edu)

**Mathematics - Secondary Education Program Articulation 2024/2025**

AA Mathematics Education to McKendree University Mathematics - Secondary Education

John A. Logan College			McKendree University				
Course Number	Course Title	Hours	Course Number	Course Title	Hours		
ENG 101	English Composition I	3	ENG 111	English I: Academic Writing	3	All of these courses must be completed either with John A. Logan or McKendree University.	
ENG 102	English Composition II	3	ENG 112	English II: Research and Writing	3		
COM 115	Speech	3	COM 100	Fundamentals of Communication	3		
HTH 110	Health Education	2	HPE 158	Health and Wellness	2		
EDC 202	Human Growth, Development & Learning	3	EDU 350	Educational Psychology: Human Growth and Learning	3		
EDC 203	Schooling a Diverse Society	3	EDU 205	Multicultural Education	3		
ORI 100	College 101	1	GNL ELEC	General Elective	1		
EDC 200	Introduction to Education	4	GNL ELEC	Elective	4		
GEO 112	World Regional Geography	3	SSC 105	World Geography	3		
MAT 131	Calculus I	5	MTH 210	Calculus I	5		
MAT 201	Calculus II	5	MTH 211	Calculus II	5		
MAT 202	Calculus III	3	MTH 212	Calculus III	3		
MAT 221	Linear Algebra	3	MTH 360	Linear Algebra	3		
PHL 111	Ethics and Moral Problems	3	PHI 206	Introduction to Ethics	3		
<b>IAI Fine Arts Art, Creative Writing, Music or Theatre</b>							Only Take One from this list to total 3 hours
ART 111	Art Appreciation	3	ART 100	Art Appreciation	3		
ART 220	History of Art I	3	ART 210	Western Art History I	3		
ART 221	History of Art II	3	ART 211	Western Art History II	3		
ART 291	History of Photography	3	ART ELEC	Art Elective	3		
LIT 275	The Art of the Cinema	3	ENG 273	Film and Literature	3		
MUS 105	Music Appreciation	3	MUS 165	Music Appreciation	3		
MUS 225	Music Literature/History	3	MUS 361	Music History I	3		
<b>IAI Humanities Literature</b>						Only Take One Literature from List to total 3 hours	
LIT 210	British Literature	3	ENG 232	British Literature I: Monsters and Miracles	3		
LIT 230	American Literature	3	ENG 303	American Literature to 1900	3		
LIT 280	Introduction to Literature	3	COR-LIT	Core Literature	3		
LIT 281	Introduction to Mythology	3	COR-LIT	Core Literature	3		
LIT 284	Ethnic Literature in America	3	ENG 254	African American Literature	3		
LIT 295	Women in Literature	3	ENG 235	Exploring Gender and Sexuality in Literature and Film	3		
<b>IAI Humanities Philosophy or Religion</b>						Only Take One Philosophy from list to total 3 hours	
PHL 121	Introduction to Logic	3	PHI 204	Logic	3		
PHL 131	Introduction to Philosophy	3	PHI 201	Introduction to Philosophy	3		
PHL 200	Asian Philosophy	3	PHI ELEC	Philosophy Elective	3		
PHL 260	World Religions	3	REL 250	Religions of the World	3		
PHL 265	Intro to Philosophy of Religion	3	REL 325	Philosophy of Religion	3		
<b>IAI Social Science Political Science</b>						Only Take One Poli. Science	
PSC 131	American Government	3	PSI 101	American Politics	3		
PSC 211	State and Local Government	3	PSI 102	State and Local Government	3		
PSC 289	Introduction to Comparative Government	3	PSI 220	Introduction to Comparative Politics	3		
<b>IAI Social Science Psychology</b>						Only Take One Psychology	
PSY 132	General Psychology	3	PSY 153	Introduction to Psychology	3		
PSY 200	Social Psychology	3	PSY 401	Social Psychology	3		
PSY 203	Adolescent Psychology	3	PSY ELEC	Psychology Elective	3		
PSY 262	Child Psychology	3	PSY ELEC	Psychology Elective	3		
<b>IAI Science Life Science</b>						Take a total of 7 hours with at least one course that includes a lab.	
BIO 100	Biology for Non-Science Majors	4	BIO 101	Biology for Life	4		
BIO 101	Biological Science for Science Majors I	4	BIO 110	Principles of Cellular and Molecular Biology	4		
BIO 105	Humans in Society	4	COR SCIL	Core Science with Lab	4		
BIO 225	Genetics	3	BIO 211	Genetics	3		
<b>IAI Science Physical Science</b>							
CHM 141	General Organic and Biochemistry I	4	CHE 100	General Chemistry Fundamentals	4		
CHM 151	Chemical Principles	5	CHE 105	General Chemistry I	5		
PHS 102	Astronomy	3	ES 110	Earth and Astronomical Science	3		
PHS 103	Earth Science	3	ES 110	Earth and Astronomical Science	3		
PHS 105	How Things Work: Physics of Everyday Life	3	COR SCIN	Core Science without lab	3		
PHS 107	Weather and Climate	3	COR SCIN	Core Science without lab	3		
PHY 121	Technical Physics	3	COR SCIN	Core Science without lab	3		
PHY 155	College Physics I	5	PHY 211	General Physics: Mechanics, Heat, Sound	5		
PHY 205	University Physics I	5	PHY 211	General Physics: Mechanics, Heat, Sound	5		

Additional Courses Required for Degree

**McKendree University**

EDR 410	Adolescent Literature	3
EDU 115	Technology Integration into the Classroom Curriculum	3
EDU 409	Introduction to Instructional Planning and Delivery	3
EDU 412	Methods of Teaching Reading and Writing in Content	2
EDU 420	The Learning Environment	3
EDU 458	Assessing Student Learning	3
EDU 467	Field Practicum I (Secondary)	1
EDU 468	Field Practicum II (Secondary)	2
EDU 469	Field Practicum III (Secondary)	3
EDU 473	Methods of Teaching Mathematice (Secondary)	3
EDU 490	Student Teacher Seminar	3
EDU 496	Student Teaching (Secondary)	12
EDU 499	Teaching Performance Assessment	0
MTH 300	Transition to Advanced Mathematics	3
MTH 340	Probability	3
MTH 392	Introduction to Analysis	3
MTH 393	Introduction to Modern Algebra	3
MTH 490	Seminar in Mathematics	3
SPE 405	Instruction of Diverse Learners	3