Bachelor of Arts in Mathematics
LINDSEY WILSON UNIVERSITY
Contract
Student Name: _____

Emphasis Secondary Education (8-12) for Teaching Certification
Curriculum

Professional Education Pre-entry: (9 Hrs.)

Course #	Course Title	Credit	Gr	Date
EDUC 2123	The Teaching Profession	3		
EDUC 2001	Standardized Test Prep I (If needed)	1		
EDUC 2713	Intro to Educational Technology	3		
EDUC 3403	Fundamentals Secondary Education+	3		
	Sub-Total	9		

Professional Preparation Courses: (33 Hrs.)

Course #	Course Title	Credit	Gr	Date
EDUC 3113	Measurement/Assesment in Ed	3		
EDUC 3143	The Exceptional Learner	3		
EDUC 3523	Reading and Writing in the Content+	3		
EDUC 4123	Principles of Lifelong Learning	3		
EDUC 4463	Classroom Management 8-12	3		
EDUC 4001	Standardized Test Prep II (If Needed)	1		
EDUC 4433	Curriculum / Methods Secondary+	3		
EDUC 4603	Practicum	3		
EDUC 4600	Supervised Student Teaching (Mastery Level General Education)	12		
	Sub-Total	33		

Mathematics – Basic Program Requirements (26 Hrs.)

Course #	Course Title	Credit	Gr	Date
MATH 2315	Analytic Geometry and Calculus I	5		
MATH 2325	Analytic Geometry and Calculus II	5		
MATH 2503	Discrete Mathematics	3		
MATH 2713	Intro to Computational Science	3		
MATH 3003	Linear Algebra	3		
MATH 3213	Intro to Abstract Mathematics	3		
MATH 3314	Calculus III	4		
	Sub-Total	26		

Mathematics – Foundational Program Requirements I (3 Hrs.)

Course #	Course Title *Choose One*	Credit	Gr	Date
MATH 4113	Abstract Algebra I	3		
MATH 4413	Foundations of Analysis I	3		
	Sub-Total	3		

Mathematics – Stochastic Modeling Program Requirements (3 Hrs.)

Course #	Course Title *Choose One*	Credit	Gr	Date
MATH 3203	Probability & Statistics	3		
MATH 4403	Mathematical Modeling	3		
	Sub-Total	3		

Mathematics – Deterministic Modeling Program Requirements (3 Hrs.)

Course #	Course Title *Choose One*	Credit	Gr	Date
MATH 3323	Differential Equations	3		
MATH 3333	Engineering Mathematics	3		
	Sub-Total	3		

Mathematics – 8-12 Secondary Requirements (6 Hrs.)

Course #	Course Title	Credit	Gr	Date
MATH 3113	Geometry	3		
MATH 3153	Math for 7th to 12th Grade Teachers	3		
	Sub-Total	6		

Advisor: _____

General Electives (2-13 Hrs.)

Course #	Course Title	Credit	Gr	Date
	Sub-Total	2-13		

TOTAL HOURS: 120

EDUCATION PROGRAM ENTRANCE

Candidates must meet the following requirements for entrance into the Division of Education before they are allowed to progress through the program:

- In process of or has completed a minimum of 30 semester hours of University course work or has a sophomore standing.
- In process of or has completed one semester of course work at LWU;
- Cumulative overall GPA of 2.75.
- A person of moral, ethical, and socially acceptable behavior.
- In process of or has completed EDUC 3413 with a C or better.
- Three disposition recommendations on the division form, which indicate acceptable performance in the areas of professional integrity; caring, respect, compassion; and critical reflection.
- A signed Kentucky Teacher Code of Ethics Declaration on file.
- A signed LWU Candidate Handbook Acknowledgement Form on file.
- Praxis Core Academic Skills for Educators (CASE) exams with minimal scores for Reading (5713) score of 158; Writing (5723) score of 158; and Math (5733) score of 144.
- Successful completion of Stage 1 requirements including Field Experience, Portfolio, and Interview.
- Demonstrate competency in critical thinking, creativity, communication and collaboration and in ability to demonstrate competency in content knowledge and profession standards by obtaining an overall Acceptable score on the Stage 1 Entry Portfolio as assessed through the Entry Portfolio Rubric & Criteria based on the Kentucky Teacher Standards.

The above requirements are explained in more detail in the Education Division Candidate Handbook.

EXIT

All candidates for a Bachelor's Degree must meet the following requirements for graduation:

- A minimum overall GPA of 2.75, a minimum of 2.75 in content area, a minimum of 2.75 in professional education
- A minimum of 39 hours must be earned at Lindsey Wilson University, and, at least 12 semester hours in the upper division level in the major must be earned at Lindsey Wilson University.
- Successful completion of program requirements.
- Successful completion\ of student teaching and Stage III exit portfolio.

In order to receive teacher certification, candidates must pass the PRAXIS II exam in the content certification areas(s) and the PLT exam. Teacher certification requirements are subject to change. Before registering for the test(s), please refer to the Education Professional Standards Board (EPSB) website at www.epsb.ky.gov for current test requirements or call (502) 564-5778 or Toll Free: (888) 598-7667 .

LINDSEY WILSON UNIVERSITY
EDUCATION

Student Signature:

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_____

Advisor Signature:
_____

General Education Program Curriculum

Lindsey Wilson University's general education curriculum provides a foundation for lifelong development of intellectual, social, and spiritual qualities traditionally associated with liberally educated persons and necessary for success in 21st century workplaces.

Program Goals
The liberal arts – communication, mathematics and sciences, behavioral and social sciences, arts and humanities – are central to Lindsey Wilson University's mission of serving students' educational needs. In order to accomplish this aim, Lindsey Wilson is committed to the following outcomes.

1. **Communicate Effectively:** Students will demonstrate the ability to formulate clear written and oral arguments, speak articulately, and correspond with others using appropriate means.
2. **Critical Thinking:** Students will exhibit the skills necessary to evaluate information by accessing and collecting pertinent facts, recognizing appropriate hypotheses, identifying relationships, applying scientific principles, evaluating claims, and solving problems by employing suitable strategies.
3. **Cultural Literacy:** Students will acquire the capacity for self-evaluation, demonstrate an awareness of global perspectives and diversity, recognize the values and beliefs of multiple societies, and exhibit a familiarity of the arts.
4. **Breadth and Depth of Knowledge:** Students will have the ability to integrate a wide range of knowledge across multiple academic disciplines and will be prepared for career success with the appropriate skills to grow intellectually through the comprehensive study of an academic discipline.
    - Completion of the three key areas (1-3 above) in the general education curriculum
    - Completion of a major

General Education Category

Cultural Literacy (18 hours)

Course #	Category / Course is listed if required for major	Credit	Gr	Date
	3A: Religious Beliefs	3		
PSYC 1003	3B: Principles of Psychology	3		
	3C: Artistic Appreciation	3		
	3D: Historical Perspectives	3		
	3E: Global Perspectives	3		
	3F: Elective	3		
	Sub-Total	18		

All required for Program Admission
Select one approved course from each category

Effective Communication (6-9 hours)

Course #	Course Title	Credit	Gr	Date
ENGL 1013	Writing Studies I	0 - 3		
ENGL 1023	Writing Studies II	3		
COMM 1203	Presentation Design & Delivery	3		
Course #	**Category / Course is listed if required for major**	**Credit**	**Gr**	**Date**
MATH 2315	Analytic Geometry & Calculus I (2 POSSIBLE PREREQUISITS: Math 1013 and Math 1124 or equivalent)	5-12		
	2B: Science	3-4		
	2A or 2B Additional Elective	3		
	Sub-Total	11-19		

Critical Thinking (1+ hours)
Select one approved course from each category

Course #	Course Title	Credit	Gr	Date
FYE 1001	First Year Experience Seminar Not required non-traditional and transfer with more than 15 credit hrs	0-1		

Critical Thinking (9+ hours)

2A: Mathematics (3-9 hours) (must pass with a C or higher)

□ Topics in Mathematics (MATH 1003) □ College Algebra (MATH 1013)
□ Precalculus (MATH 1124) □ Analytic Geometry & Calculus I (MATH 2315)
□ Experimental Statistics (MATH 2403)

2B: Science (3-8 hours)

□ Principles of Biology (BIOL 1103) □ Intro to Cellular Biology (BIOL 1204 & 1200 lab)

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□ Intro to Biodiversity (BIOL 1214 & 1210) □ Human Anatomy (BIOL 2614)
□ Principles of Chemistry (CHEM 1104 & 1100) □ General Chemistry I (CHEM 1214 & 1210)
□ General Chemistry II (CHEM 1224 & 1220) □ Introduction to Physical Science (PHSC 1104)
□ Earth Science (PHSC 1204) □ Topics in Science (SCI 1013) *SCI 1013 may only count once*

Cultural Literacy (18 hours)

3A: Religious Beliefs (3 hours)
□ Christian Beliefs (RELI 1003) □ Old Testament (RELI 1013)
□ New Testament (RELI 1023) □ World Religions (RELI 1203)

3C: Artistic Appreciation (3 hours)
□ Understanding Visual Art (ART 1003)
□ Art History I (ART 2733)
□ Art History II (ART 2743)
□ Survey of Musical Masterworks (MUSI 2003)
□ Music in American Culture (MUSI 2103)
□ Introduction to Theatre Arts (THEA 1313)

3D: Historical Perspectives (3 hours)
□ U.S. History: 1492 to 1865 (HIST 1033)
□ U.S. History: 1865 to Present (HIST 1043)
□ World Civilization I: Prehistory to 1500 (HIST 2233)
□ World Civilization II: 1500 to Present (HIST 2243)

3E: Global Perspectives (3 hours)
□ World Literature (ENGL 2203)
□ World Regional Geography (GEOG 1003)
□ Culture & Values (HUMN 2503)
□ International Relations (POSC 2213)
□ Elementary Spanish I (SPAN 1013)
□ Elementary Spanish II (SPAN 1023)
□ Women in Global Perspective (WS 1013)

3F: Elective: Choose one additional course from 3A-3E not already taken (3 hours)